RAND HRS Longitudinal File 2022 (V2) Documentation

Includes 1992-2022 (Final Release)

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The Health and Retirement Study (HRS) is a longitudinal household survey conducted by the Institute for Social Research at the University of Michigan with funding from the National Institute on Aging (NIA U01AG009740) and the Social Security Administration. The HRS is extraordinarily rich and complex, and its multidisciplinary data provide researchers the opportunity to investigate many different aspects related to population aging in the United States. With the goal of making the data more accessible to researchers, the RAND HRS Team, with funding and support from the National Institute on Aging (NIA U01AG009740 and R01AG073289) and the Social Security Administration, has created the RAND HRS data products. This document describes the RAND HRS Longitudinal File.

Citation Instructions:

1. Please cite both the HRS Data and the RAND HRS Longitudinal File 2022 (V2) as follows:

Health and Retirement Study, public use datasets. Produced by the University of Michigan with funding from the National Institute on Aging (NIA U01AG009740). Ann Arbor, MI, (July 2026).

RAND HRS Longitudinal File 2022 (V2). Produced by the RAND HRS Team, with funding from the National Institute on Aging (NIA U01AG009740 and R01AG073289) and the Social Security Administration. Santa Monica, CA (October 2026).

2. In addition, please include the following in the text of your paper:

The HRS (Health and Retirement Study) is sponsored by the National Institute on Aging (NIA U01AG009740) and is conducted by the University of Michigan.

3. For more information, please see the RAND HRS Citation Instructions webpage .

Preface

The Health and Retirement Study (HRS) is a longitudinal household survey conducted by the Institute for Social Research at the University of Michigan with funding from the National Institute on Aging (NIA U01AG009740) and the Social Security Administration. The HRS is extraordinarily rich and complex, and its multidisciplinary data provide researchers the opportunity to investigate many different aspects related to population aging in the United States. With the goal of making the data more accessible to researchers, the RAND HRS Team, with funding and support from the National Institute on Aging (NIA) and the Social Security Administration (SSA), has created the RAND HRS data products. This document describes the RAND HRS Longitudinal File.

The RAND HRS Longitudinal File is a cleaned, easy-to-use, and streamlined data product containing information from Core and Exit Interviews of the HRS, with derived variables covering a large range of topics. It contains variables on demographics, health, health insurance, Social Security, pensions, family structure, retirement plans, expectations, and employment history, as well as imputations for income, assets, and medical expenditures developed at RAND. All variables are named and derived consistently across survey years, and any cross-wave differences are documented.

Every individual who has ever completed an HRS Core Interview has a record in this file, and in households with a married or partnered couple, both Respondents' records also capture HRS responses given by the spouse or partner. As such, the RAND HRS Longitudinal File meets the essential needs of many research projects; however, we note that although the file contains a rich subset of information from the Core and Exit Interviews, it is not exhaustive. In cases where researchers cannot find all variables they need, the file can easily be merged with other RAND HRS data products, as well as those released separately by our HRS colleagues at the University of Michigan.

The RAND HRS Longitudinal File 2022 (V2) includes sixteen waves of Core Interview data across eighteen survey years (1992, 1993, 1994, 1995, and biennially 1996-2022) as well as Exit Interview data collected across sixteen survey years (1994, 1995, and biennially 1996-2022). The file also encompasses all eight entry cohorts: the initial 1992 Health and Retirement Study (HRS) cohort; the 1993 Study of Assets and Health Dynamics (AHEAD) cohort; the Children of Depression and War Baby cohorts entering in 1998; the Early Baby Boomer cohort entering in 2004; the Mid Baby Boomer cohort entering in 2010; the Late Baby Boomer cohort entering in 2016; and the Early Generation X cohort entering in 2022. For more information about the RAND HRS data products, please visit the RAND HRS Data pages.

We are grateful for the continuing support of and funding from the NIA and SSA. In gaining access to and interpreting the HRS, we greatly benefited from the help and insights of HRS staff members. In particular, we thank Bob Willis, Cathy Liebowitz, Michael Nolte, David Weir, Thomas Juster, Dorothy Nordness, Marita Servais, Dave Howell, Honggao Cao, Janet Keller, Theresa Norgard, Tom Blackburn, Gwenith Fisher, Julia Roach, and Jody Schimmel Hyde. We also acknowledge Howard Iams (SSA) and John Phillips (NIA) for their guidance and suggestions on the file structure and distribution process. Howard Iams, Melissa Koenig, Sharmila Choudhury, Irena Dushi of SSA continue to provide valuable input with their suggestions for additional variables, including measures regarding pensions, poverty, and retirement. We thank Kanika Kapur, Jeannette Rogowski, and Nicole Maestas at RAND for their guidance and suggestions for additional health insurance variables, and Lionel Deang of SSA for his input on these variables.

We thank all the analysts using the data who have alerted us to problems and given us suggestions, including Peter Hudomiet at RAND. Previous versions of the RAND HRS Longitudinal File benefited from the input of David Blau, Adeline Delavande, Zach Gassoumis, Dan Waldo, Vipul Bhatt, Steven Haider, Constantijn Panis, David Loughran, Nicole Maestas, Xiaoyan Li, Eric French, Christy Thompson, Ann Huff Stevens, Daver Kahvecioglu, Bob Weathers, Peiyun She, David Stapleton, Donna MacIsaac, Vicki Freedman, Jennifer Cornman, Yuyan Shi, Melissa Rayner, Julie Zissimopoulos and Natalia Emanuel.

Special thanks to Cary Greif, the Research Operations Administrator of the RAND Center for the Study of Aging, who assisted our data development efforts in many ways, and to Nancy Campbell, Chris Chan, Orla Hayden, Adam Karabatakis, Joshua Mallett, Joyce Marks, Colleen McCullough, Michael Moldoff, and Patricia St. Clair who contributed as research programmers on previous versions of the RAND HRS Longitudinal File.

Contents

Preface **4**

What's New in the RAND HRS Longitudinal File 2022 (V2)? **8**

1. Introduction and Overview **13**
1.1. Confidentiality and Access Restrictions . . . 13
1.2. Data File Structure . . . 14
1.3. Variable Naming Conventions . . . 14
1.4. Missing Values . . . 16

2. Conceptual Variables **17**
2.1. Health Indices . . . 17
2.1.1. Functional Limitations . . . 17
2.1.2. Mental Health (RwCESD) . . . 18
2.1.3. Cognition . . . 18
2.1.4. Health Conditions (RwCONDE) . . . 18
2.1.5. Body Mass (RwBMI) . . . 18
2.2. Health Change . . . 19
2.2.1. Change in Overall Health . . . 19
2.2.2. Change in Diagnoses of Specific Health Conditions . . . 19
2.2.3. Change in Assessment of Relative Mortality . . . 19
2.3. Health Care Utilization and Medical Expenditures . . . 19
2.3.1. Health Care Utilization . . . 20
2.3.2. Out-of-Pocket Medical Expenditures . . . 20
2.3.3. Total Medical Expenditures . . . 21
2.3.4. Imputation Process . . . 21
2.3.4.1 Out-of-Pocket Medical Expenditures . . . 21
2.3.4.2 Total Medical Expenditures . . . 24
2.4. Wages . . . 24

3. Income and Wealth Imputations **25**
3.1. Background . . . 25
3.1.1. Alternative Question Sequences . . . 26
3.2. Imputation Process . . . 27
3.2.1. Ownership Imputation . . . 28
3.2.2. Bracket Imputation . . . 28
3.2.3. Amount Imputation . . . 28
3.2.4. Covariates . . . 30
3.3. Asset Verification . . . 32
3.4. Substantive Differences Across Waves . . . 33

4. Pension Imputations: Account Balance for Defined Contribution Plan from Current Job **35**

5. Poverty Threshold Definitions and HRS Measures **36**
5.1. Method . . . 37
5.2. Summary of Data Issues . . . 38

5.3. Variables Included on the RAND HRS Longitudinal File 38
5.4. Imputing Household Member Income 39

6. Social Security and SSI Disability Episodes **39**
6.1. Program Type 40
6.2. Episode Status 41
6.3. Episode Dates 41
6.4. Variables 42

7. Structure of Codebook **43**

8. Distribution and Technical Notes **49**
8.1. Distribution files for Web Download 49
8.2. The SAS Format Library 50
8.2.1. Using (or Not Using) the SAS formats 50
8.2.2. Consumer Price Index (CPI-U) 51
8.3. Using the Data with Other HRS Files 51

9. Data Codebook **53**

Section A: Demographics, Identifiers, and Weights **60**

Section B: Health Status **250**

Section C: Medical Care Utilization and Expenditure **419**

Section D: Doctor Diagnosed Health Problems **495**

Section E: Health Conditions, Treatments, and Medication **653**

Section F: Mental Health and Cognition **793**

Section G: Functional Limitations and Helpers **1018**

Section H: Financial and Housing Wealth **1314**

Section I: Income **1411**

Section J: Social Security **1551**

Section K: Pensions **1651**

Section L: Health Insurance **1778**

Section M: Family Structure **1926**

Section N: Retirement Plans, Expectations **1943**

Section O: Employment History **2040**

Section P: Leave Behind Psycho-Social Questionnaire **2226**

Appendix A **2277**

List of Tables

Table 1. Source of Data for Entry Cohorts in RAND HRS Longitudinal File by Wave **14**

Table 2. Missing Codes **16**

Table 3. Exit Interview Imputation Pools and Types of Medical Expenditures by Wave **23**

Table 4. Distribution of Response Types on Stock Holdings (HRS 1994) **25**

Table 5. Response Types and Required Imputations **27**

Table 6. Loadings on the First Two Principal Components **31**

Table 7. Disability Episode Variables **42**

What's New in the RAND HRS Longitudinal File 2022 (V2)?

The RAND HRS Longitudinal File 2022 (V2) incorporates the HRS Final Release Core (V2.0) data for 2022, the Early Release Exit Interview data for 2022, the updated Cross-wave Tracker (2022 Final V1.0), and the most recent version of the Region and Mobility file. It contains 45,165 observations or rows. It is a Respondent-level file so each row represents a unique Respondent. It also adds new variables and makes adjustments and corrections. The current versions of the Core, Exit, and Cross-wave data used in the RAND HRS Longitudinal File 2022 (V2) are:

- 1992 Final V1.01
- 1993 Final V2.1 (March 1998)
- 1994 Final V1.0 (September 2004)
- 1995 Final V2.0 (August 2007)
- 1995 Exit Final V1.0 (February 2003)
- 1996 Final V4.0 (March 2007)
- 1996 Exit Final V1.0 (September 2003)
- 1998 Final V2.3 (November 2003)
- 1998 Exit Final V1.0 (January 2005)
- 2000 Final V1.0 (April 2004)
- 2000 Exit Final V1.0 (March 2005)
- 2002 Final V2.0 (July 2006)
- 2002 Exit Final V1.0 (December 2006)
- 2004 Final V1.0 (May 2016)
- 2004 Exit Final V1.0 (February 2007)
- 2006 Final Release V4.0 (August 2021)
- 2006 Exit Final Release V1.0 (October 2008)
- 2008 Final Release V3.0 (December 2014)
- 2008 Exit Final Release V1.0 (November 2010)
- 2010 Final Release V6.0 (August 2021)
- 2010 Exit Final Release V2.0 (September 2012)
- 2012 Final Release V3.0 (March 2020)
- 2012 Exit Final Release V1.0 (March 2015)
- 2014 Final Release V2.0 (December 2017)
- 2014 Exit Final Release V1.0 (March 2016)
- 2016 Final Release V2.0 (December 2019)
- 2016 Exit Final Release V1.0 (December 2018)
- 2018 Final Release V2.0 (May 2022)
- 2018 Exit Final Release V1.0 (November 2022)
- 2020 Final Release V1.0 (May 2023)
- 2020 Exit Final Release V1.0 (September 2023)
- 2022 Final Release V2.0 (July 2026)
- 2022 Exit Early Release V1.0 (January 2025)
- HRS 2022 Final Tracker V1.0 (December 2025)
- Cross-Wave Region and Mobility File (Early V10) (May 2025)
- Master ID File 2008 V1.0 (December 2009)
- Cross-Wave Imputation of Cognitive Functioning Measures 1992-2022 Final V2.0 (March 2026)
- Cross-Wave Prospective Social Security Wealth Measures of Pre-Retirees 1992-2020 V1.0 (March 2024)

In 2018 we changed the naming convention for the RAND HRS Longitudinal File. Previously, we used letters to denote subsequent versions (i.e., RAND HRS Version P). Now, we use the year of the latest HRS wave that is included in the longitudinal file and a version number. This current release is hence called RAND HRS Longitudinal File 2022 (V2), as this is the second RAND HRS Longitudinal File version with 2022 data.

Important Notices:

Weights are available for Wave 16 (2022) for all cohorts except for the new cohort, Early Generation X (EGENX). Users should take this caveat into account when using the Wave 16 weights. For the EGENX cohort (HACOHORT=8), R16WTHH = .M, R16WTRESP = .M, R16WTR_NH = .M, and R16WTCRNH = .M.

This file incorporates the HRS 2022 Final Release V2.0 (July 2026) data, which includes several ID adjustments. Specifically, 69 HHIDPNs present in our previous release (RANDHRS Longitudinal File 2022 V1) were dropped after they were determined by HRS to not be eligible for either the Early Generation X cohort or the minority oversample collection. An additional 8 HHIDPNs were adjusted to better clarify their household arrangement and are described further in Appendix A (ID Adjustments).

HRS issued data alerts in September 2026 about duplicate cases in 2020 and 2022 data. This version of the RAND HRS Longitudinal Data does not implement the fixes for these duplicates; they will be incorporated in the next version. Please see the data alerts for 2020 and 2022 HRS Core at (https://hrsdata.isr.umich. edu/data-products/data-alerts) for details.

EGENX households whose 2022 interviews were finalized on January 1, 2024 or later are part of the 2022 Extended New Cohort data release and are not included in the 2022 HRS Core or this version of the RAND HRS Longitudinal Data. They will be part of a future release of 2024 HRS Core data. Please see (https://hrsdata.isr.umic h.edu/data-products/2024-hrs-core) for details.

In October 2026, HRS separated the HRS Tracker into the 2022 Final Tracker V2.0 (October 2026) and the Tracker Weights File V1.0 (October 2026). It was determined that the elements used to create the RAND HRS Longitudinal File 2022 (V2) on these files were identical to those found in the Tracker 2022 V1.0 (December 2025).

New Variables:

Health Variables

To accommodate the addition of new RAND HRS health variables (detailed below), the Health section of our codebook has been split into five sections to help users better navigate these additional measures. The RAND HRS File 2022 (V2) Documentation includes-

Section B: Health Status
Section C: Medical Care Utilization and Expenditures
Section D: Doctor Diagnosed Conditions
Section E: Health Conditions, Treatments, and Medications
Section F: Mental Health and Cognition

This reorganization only affects the location of variables in our codebook.

We added a large set of Health variables covering smoking and vaping, cancer treatment and history, falls, depression, pain, heart disease, persistent problems and weight. Below is a listing of the new health variable sets we created.

Smoking and Vaping Variables

RwSMKCIG	R number of cigarettes smoked per day
RwSMKMCIG	R number of cigarettes smoked per day when smoked most
RwSMKSTRT	R derived age started smoking
RwSMKSTOP	R derived age stopped smoking
RwSMKAGEF	R smoking age consistency flag
RwVAPEV	R ever used e-cigarettes or vaping devices
RwVAPEVNIC	R ever vaped nicotine
RwVAPENNIC	R current frequency of vaping nicotine
RwVAPEVOTH	R ever vaped anything other than nicotine
RwVAPENOTH	R current frequency of vaping anything other than nicotine

Cancer Treatment and History Variables

RwCANCRDR	Has R seen a doctor about cancer
RwCANCRTX	R past cancer treated
RwCANCHEMO	R cancer tx: Chemo or meds
RwCANSURBX	R cancer tx Surgery or biopsy
RwCANSURG	R cancer tx Surgery
RwCANBIO	R cancer tx Biopsy
RwCANRADX	R cancer tx Radiation or x-ray
RwCANRAD	R cancer tx Radiation
RwCANXRAY	R cancer tx X-ray
RwCANMEDTX	R cancer tx Symptom management
RwCANNOTX	R cancer tx No treatment
RwCANOTHTX	R cancer tx Other treatment
RwCANCRBW	R cancer better or worse since prev interview
RwCANCRBWG	R cancer status since prev interview
RwCANCRNEW	R new cancer excluding skin cancer since prev interview
RwCANCRNUM	R number of different cancers
RwCANCRSPR	R cancer spread since prev interview
RwCANCRYR	R year of most recent cancer
RwCANCRMO	R month of most recent cancer

Fall and Fracture Variables

RwFALLEN	R fallen since prev interview or prev 2 yrs
RwFALLTIM	R number of times fallen since prev interview or prev 2 yrs
RwFALLINJ	R serious injury due to fall
RwHIPFRAC	R fractured hip ever/since prev interview

Depression Variables

RwANHYR	Anhedonia R anhedonia in past year
RwANHPOR	Anhedonia R anhedonia what portion of day
RwANHEVD	Anhedonia R anhedonia every day
RwANHTIR	Anhedonia R feeling tired
RwANHNOAP	Anhedonia R lose appetite
RwANHHUN	Anhedonia R appetite increased
RwANHSLE	Anhedonia R trouble falling asleep
RwANHNIT	Anhedonia R frequency of sleep trouble
RwANHCON	Anhedonia R trouble concentrating
RwANHDOWN	Anhedonia R feeling down on yourself
RwANHTHO	Anhedonia R thoughts about death
RwANHWKS	Anhedonia R number of weeks felt anhedonia
RwANHRECM	Anhedonia R most recent month felt anhedonia

Pain Variables

RwPAINTRB	R often troubled with pain
RwPAINDEG	R degree of pain
RwPAINLIM	R pain limits activities
RwPAINMED	R taken pain meds last 3 mos
RwPAINOPI	R taken opioids last 3 mos

Heart Disease Variables

RwHRTMED	R reports heart meds this wave
RwHRTDOC	R reports seeing Dr. for heart problems since prev interview
RwHATKR	R reports heart attack since prev interview
RwHATKDOC	R reports seeing Dr. for heart attack since prev interview
RwHATKY	R most recent heart attack year
RwHATKM	R most recent heart attack month
RwANGINAR	R reports angina since prev interview
RwHFAILR	R reports congestive heart failure since prev interview
RwHFAILH	R hospitalized for congestive heart failure since prev interview
RwABHRTRR	R reports abnormal heart rhythm/afib since prev interview
RwHRTARR	R alt reports heart disease abnormal rhythm/afib
RwHRTARTB	R alt reports heart disease artery blockage
RwHRTVAL	R alt reports heart disease valve problem
RwHRTFLR	R alt reports heart disease heart failure
RwHRTRSK	R alt reports heart disease heart disease risk factor
RwHRTPRC	R alt reports heart disease surgery/procedure
RwHRTOTH	R alt reports heart disease other
RwHRTTRTR	R reports heart test/treatment since prev interview
RwHRTSURR	R reports heart surgery since prev interview

Persistent Problems Variables

RwSWELL	Pers Prob Swelling feet/ankles
RwBREATH	Pers Prob Shortness of breath
RwDIZZY	Pers Prob Persistent dizziness/lightheadedness
RwULCER	Pers Prob Ulcers
RwBACK	Pers Prob Back pain or problems
RwHEADACH	Pers Prob Persistent headache
RwFATIGUE	Pers Prob Severe fatigue
RwCOUGH	Pers Prob Cough/wheeze/phlegm
RwBEDDAYS	Pers Prob Days in bed

Weight Variables

RwWGHTCHG	R gained/lost 10 lbs since prev interview
RwMAXWT	R highest ever weight in kilograms
RwMAXWTA	R age at highest ever weight
RwMAXWTSRC	Source of highest weight
RwMAXWTSWV	Source wave of highest weight
RAMXHISWT	R lifetime highest self-reported weight in kg
RAMXHISWTA	R age at lifetime highest self-reported weight

Reference Period Variables

Many health and financial variables are worded to reference the period since the Respondent was last interviewed. Two new variables capture how these questions are asked. The flag variable RwFLIWREF indicates whether a last interview date was used when asking reference period framed questions, and RwLIWREFM is the number of months between the current interview and date used in the wording of interview questions. For financial variables, this allows the periodicity of measures to be adjusted. These variables may also be used to help contextualize many health variables that use this reference period in their wording.

Adjustments, Improvements, and Corrections to the Data and Documentation

Medical Expenditures

We updated the derivation of the aggregate medical expenditure measures, RwOOPMD and RwOOMDO. The method used to normalize out-of-pocket prescription drug costs was improved to better normalize amounts with other out-of-pocket spending types. This impacts the calculation RwOOPMD which begins in Wave 3 and RwOOPMDO which begins in Wave 10. Users can use the RAND HRS Detailed Imputation File 2022 (V2) to produce the version available on previous releases by multiplying the monthly amount of prescription drug costs by 24 months (RwMDRUGMO) and adding all other out-of-pocket costs normally. Users may produce different periodicities for aggregate or subcomponent measures by dividing any medical expenditure measure by the new reference period variable, RwLIWREFM, and multiplying by the desired period in months (such as 12, 24).

Social Security and SSDI Income

We improved our construction of SS income variables. We used more information where possible from the HRS Disability data section to help 1) distinguish SSDI from SS retirement income, and 2) fill in the SSDI amount received for households with no Financial Respondent or otherwise missing income data. This update affected the Social Security variable RwSSDI; income amount variables RwISSDI, RwISDI, RwISRET; imputation flag variables RwIFSSDI, RwIFSDI, RwIFSRET, and equivalent spouse variables in most waves.

Total Sibling Count

We updated our derivation of the total number of living siblings (RwLIVSIB). If either the sister or brother count (RwLIVSIS, RwLIVBRO) is missing, we set RwLIVSIB to any positive count available. Note that RwLIVSIB could be an undercount in these cases if the unknown value is greater than zero. Previously, RwLIVSIB would be set to missing if either sister or brother count was missing, regardless of the other count. If one count is missing and the other count is equal to zero, we still set RwLIVSIB to missing.

Imputations: Income and Wealth, Medical Expenditures, and Poverty Thresholds

Income, wealth, medical expenditures, and poverty threshold data now include the 2022 Final Release Core Interview data. Additionally, we have made some improvements to the file and associated documentation, including the following:

New Cross-wave Social Security Income Variables

An early version of cross-wave Social Security income imputations is now available in the RAND HRS Detailed Imputations File. Please see the detailed description in the "Imputation Process" and "Cross-wave Social Security Income" sections of the RAND HRS Detailed Imputations File codebook. These estimates are not included in the RAND HRS Longitudinal file this version but are in continued development for inclusion in future releases.

1. Introduction and Overview

This report documents the RAND HRS Longitudinal File, a cleaned, processed, and streamlined collection of variables derived from the Health and Retirement Study (HRS). The HRS is a national panel survey of individuals over age 50 and their spouses. Its main goal is to provide panel data that enable research and analysis in support of policies on retirement, health insurance, saving, and economic well-being. The survey elicits information about demographics, income, assets, health, cognition, family structure and connections, health care utilization and costs, housing, job status and history, expectations, and insurance.

The HRS is primarily sponsored by the National Institute on Aging (NIA), with additional funding from the Social Security Administration (SSA) and administered by the Institute for Social Research (ISR) at the University of Michigan. It consists of eight cohorts:

- Initial HRS cohort, born 1931 to 1941. This cohort was first interviewed in 1992 and subsequently every two years.
- AHEAD cohort, born before 1924, initially a separate study (The Study of Assets and Health Dynamics Among the Oldest Old). This cohort was first interviewed in 1993 and subsequently in 1995, 1998, and subsequently every two years.
- Children of Depression (CODA) cohort, born 1924 to 1930. This cohort was first interviewed in 1998 and subsequently every two years.
- War Baby (WB) cohort, born 1942 to 1947. This cohort was also first interviewed in 1998 and subsequently every two years.
- Early Baby Boomer (EBB) cohort, born 1948 to 1953. This cohort was first interviewed in 2004.
- Mid Baby Boomer (MBB) cohort, born 1954 to 1959. This cohort was first interviewed in 2010.
- Late Baby Boomer (LBB) cohort, born 1960 to 1965. This cohort was first interviewed in 2016.
- Early Generation X (EGENX) cohort, born 1966 to 1971. This cohort was first interviewed in 2022.

In addition to Respondents from eligible birth years, the survey interviewed the spouses of married Respondents or the partner of a Respondent, regardless of age. Some of the HRS and AHEAD entry cohort Respondents were spouses of HRS- and AHEAD-eligible individuals who are age-eligible for the CODA or WB cohorts. These HRS and AHEAD spouses are given weights beginning in 1998 (Wave 4) so that they contribute to the representation of the CODA/WB birth year population. Some spouses of the initial HRS entry cohort Respondents were age 70 or older and were subsequently included in the AHEAD study. These so-called HRS/AHEAD overlap cases may thus have been interviewed in 1992, 1993, 1995, and from 1998 forward.

The RAND HRS Longitudinal File contains all eight cohorts. This document refers to the entire survey as the HRS and the 1931-41 cohort that was first interviewed in 1992 is labeled the "initial" or "original" HRS entry cohort.

The HRS provides a broad range of data files. The RAND HRS Longitudinal File combines information from a subset of these: it mainly processes data from the HRS Core and the HRS Exit Interviews. It also incorporates information from the latest available HRS Tracker, Region and Mobility, and Master ID files. It does not include any restricted data.

The RAND HRS Longitudinal File includes any individual who was interviewed by the HRS at least once. This includes individuals who were age-eligible (born in eligible years) at the time of their first interview, spouses who were not age-eligible at baseline, and spouses who married an age-eligible Respondent between survey waves.

The HRS oversamples Hispanic people, Black people, and residents of Florida, and provides weighting variables to make it representative of the community-based population. From Wave 5, HRS also provides weights for individuals living in a nursing home.

The data described in this document are based on the final data releases for 1992, 1993, 1994, 1995, and biennially 1996–2022.

1.1. Confidentiality and Access Restrictions

The data described in this document are based on HRS public release files. Before using the data, you must obtain permission from HRS by registering with them to download the public release files. The HRS website contains information on the process to register for

access to HRS public release data (https://hrsdata.isr.umich.edu/data-products). By registering with HRS you agree to the "Conditions of Use" governing access to the data. This agreement applies to the use of other RAND HRS data products as well, NONE of which contain restricted data.

1.2. Data File Structure

The RAND HRS Longitudinal File is distributed as a single file which includes 16 waves of the HRS. The data contain Respondents within the HRS, AHEAD, CODA, WB, EBB, MBB, LBB, and EGENX entry cohorts. Table 1 lists the source year of data for each of the entry cohorts, by wave. The 1993 data are treated as Wave 2 data and the 1995 data are treated as Wave 3 data for the AHEAD entry cohort. The 1994 data are treated as Wave 2 data and the 1996 data are treated as Wave 3 data for the HRS entry cohort. The AHEAD and HRS survey instruments in these years differed significantly. This documentation distinguishes between the instruments by using Wave 2A and Wave 3A to refer to the 1993 and 1995 data for the AHEAD entry cohort, and Wave 2H and Wave 3H to refer to the 1994 and 1996 data for the HRS entry cohort.

Table 1. Source of Data for Entry Cohorts in RAND HRS Longitudinal File by Wave

<table>
<tr><th rowspan="2">Wave</th><th colspan="8">Entry Cohort</th></tr>
<tr><th>HRS
HACOHORT=3</th><th>AHEAD
HACOHORT=0,1</th><th>CODA
HACOHORT=2</th><th>WB
HACOHORT=4</th><th>EBB
HACOHORT=5</th><th>MBB
HACOHORT=6</th><th>LBB
HACOHORT=7</th><th>EGENX
HACOHORT=8</th></tr>
<tr><td>1</td><td>1992</td><td>1992
(HRS/AHEAD
overlaps only)</td><td colspan="6" rowspan="3">Not available</td></tr>
<tr><td>2</td><td>1994 (Wave 2H)</td><td>1993 (Wave 2A)</td></tr>
<tr><td>3</td><td>1996 (Wave 3H)</td><td>1995 (Wave 3A)</td></tr>
<tr><td>4</td><td>1998</td><td>1998</td><td>1998</td><td>1998</td><td colspan="4" rowspan="3">Not available</td></tr>
<tr><td>5</td><td>2000</td><td>2000</td><td>2000</td><td>2000</td></tr>
<tr><td>6</td><td>2002</td><td>2002</td><td>2002</td><td>2002</td></tr>
<tr><td>7</td><td>2004</td><td>2004</td><td>2004</td><td>2004</td><td>2004</td><td colspan="3" rowspan="3">Not available</td></tr>
<tr><td>8</td><td>2006</td><td>2006</td><td>2006</td><td>2006</td><td>2006</td></tr>
<tr><td>9</td><td>2008</td><td>2008</td><td>2008</td><td>2008</td><td>2008</td></tr>
<tr><td>10</td><td>2010</td><td>2010</td><td>2010</td><td>2010</td><td>2010</td><td>2010</td><td colspan="2" rowspan="3">Not available</td></tr>
<tr><td>11</td><td>2012</td><td>2012</td><td>2012</td><td>2012</td><td>2012</td><td>2012</td></tr>
<tr><td>12</td><td>2014</td><td>2014</td><td>2014</td><td>2014</td><td>2014</td><td>2014</td></tr>
<tr><td>13</td><td>2016</td><td>2016</td><td>2016</td><td>2016</td><td>2016</td><td>2016</td><td>2016</td><td rowspan="3">Not available</td></tr>
<tr><td>14</td><td>2018</td><td>2018</td><td>2018</td><td>2018</td><td>2018</td><td>2018</td><td>2018</td></tr>
<tr><td>15</td><td>2020</td><td>2020</td><td>2020</td><td>2020</td><td>2020</td><td>2020</td><td>2020</td></tr>
<tr><td>16</td><td>2022</td><td>2022</td><td>2022</td><td>2022</td><td>2022</td><td>2022</td><td>2022</td><td>2022</td></tr>
</table>

The unit of observation is an individual. Each individual is uniquely identified by a household ID (HHID) and a person number (PN). We combined these variables into a single ID variable, HHIDPN (HHIDPN: HHold ID + Person Number /Num), where HHIDPN = $1000 \times HHID + PN$.[1] This file may be merged with other HRS data by HHIDPN.

The HRS samples at the household level. In a couple household, even if only one individual is age-eligible for the study, BOTH individuals are given an interview and treated as respondents. Please refer to our FAQs , which include various spouse-related questions, for more information.

The RAND HRS Longitudinal File is distributed in SAS, Stata, and SPSS formats, as one file that includes all 16 waves.

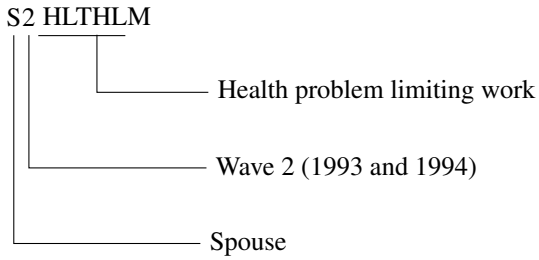
1.3. Variable Naming Conventions

With few exceptions, variable names in the RAND HRS Longitudinal File follow a consistent pattern. The first character indicates whether the variable refers to the reference person ("R"), spouse ("S"), or the household ("H").[2] The second character indicates the wave to which the variable pertains: 1, 2, 3, ... 16, A, or E. The "A" indicates "all," i.e., the variable is not specific to any single wave. An example is RABDATE, the birth date of the Respondent. The "E" indicates "Exit," for variables that contain data from Exit Interviews

[1] This HHIDPN variable is numeric. Also available is RAHHIDPN (RAHHIDPN: HHold ID + Person Num /9-Char), its 9-character string equivalent.
[2] The reference person need not be the person who responded to the question. It is the person whose information is central to the data file observation.

that take place after death. An example is REMSTAT, the marital status of the Respondent at time of death.

The remaining characters describe the concept that the variable captures. For example:



Variable S2HLTHLM captures whether the spouse of the reference person experiences an impairment or health problem that limits the kind or amount of paid work s/he can do. The name of the variable does not indicate who provided the information. For example, the spouse's health problem may have been reported by the spouse themselves, or it may have been reported by the reference person as a proxy. The HRS obtains many variables, particularly on financial and family matters, by proxy.

In the text below, we may refer to variables such as SwHLTHLM for example, without specifying the wave. This reference points at the group of variables S1HLTHLM, S2HLTHLM, S3HLTHLM, ... S16HLTHLM.

Variable labels also follow a consistent pattern. The first characters denote the name of the variable, followed by a colon. Then follows the wave to which the variable pertains (W1, W2, W3, ... W16). The remainder of the label describes the concept that the variable captures. For example, the variable label of S2HLTHLM is:

S2HLTHLM: W2 Hlth problems limit work

It may seem duplicative to include the name of the variable and the wave in the variable label. However, SAS often suppresses the variable name and instead uses its label in the presentation of results.

1.4. Missing Values

Variables may contain missing values for several reasons. SAS and Stata offer the capability to distinguish multiple types of missing values, and we have attempted to record as much information as possible. SPSS does not support multiple missing codes. Generally, the codes adhere to the classification in Table 2.

Table 2. Missing Codes

Code	Reason for missing
.	Reference person did not respond to this wave
.D	Don't know
.R	Refused
.X	Does not apply (specifics depends on variable)
.Q	Data not available because the question was not asked
.U	Reference person is not married (for spouse variables)
.V	Spouse did not respond this wave (for spouse variables)
.S	Information not available due to skip patterns, typically because the interview is by proxy Respondent
.J	Web interview, missing
.M	Other missing
.N	a. No live interview (SwDDATEF, SwNDATEF) b. No mars, likely nev mar (RwMNEV) c. In NHM (R/SwHOMCAR) d. No utilization (R/SwTOTMBF) e. Not a pension, other (R/SwTYPF1-R/SwTYPF4) f. No Plan (R/SwCOVRT) g. None (R/SwHECOV1-R/SwHECOV3) h. No respondent employer-p (R/SwHERTR1-R/SwHERTR3, R/SwHERTS1-R/SwHERTS3, R/SwHERET) i. Cog not asked (re-IW)/1 (R/SwMO, R/SwDY, R/SwYR, R/SwDW, R/SwSCIS, R/SwCACT, R/SwPRES, R/SwVP, R/SwVOCAB) k. Not retired (R/SwRETSAT, R/SwRYRCMP)
.Y	No Exit Interview, No Death Recorded (for exit variables)
.Z	No Exit Interview, Death Recorded (for exit variables)

The coding scheme varies across variables. .N is defined differently in various sections. Consult the Data Codebook section of this document for details on individual variables.

The RAND HRS files in Stata format are for use with Version 11 SE or later.

2. Conceptual Variables

Only a few variables in the RAND HRS Longitudinal File are taken directly from the HRS raw data with minimal processing. Many are the result of combining information from more than one HRS variable. Generally, the codebook indicates the names of HRS variables that were used to construct the relevant variable.

Some variables, such as RwJLTEN (tenure on longest job) and RwMLEN (duration of longest marriage) required elaborate manipulation of many variables from several sections of the HRS, but are conceptually straightforward. This section documents variables whose construction involved substantive judgments of key research concepts: health, health change, medical expenditures, and wages.

2.1. Health Indices

We define and derive four groups of health indices: several functional limitation indices, one depression index, one health problem index, and a body mass index. We also include cognitive health indices for which the HRS has provided imputations. A description of each index follows.

2.1.1. Functional Limitations

The RAND HRS Longitudinal File contains six primary functional limitation indices. We chose these indices for their comparability with studies that measure functional limitations, our assessment of their quality, and for consistency across survey waves. We first derive a variable that indicates if the Respondent had difficulty performing a task (0=no difficulty; 1=difficulty). The exact question asked of the Respondent varies slightly across the survey waves. The responses defined by HRS are quite different in Wave 1 compared to other waves, so we do not include these measures for Wave 1.[3] Our measure of difficulty is defined to be comparable across the rest of the waves. The codebook provides details on the definition and calculation of 'difficulty' for all waves. All indices are the sum of the number of difficulties a Respondent has completing a particular set of tasks, and uses a definition of difficulty that is comparable across waves. Each index and the set of tasks used in the index are defined below. The variable name, for an unspecified wave, is given in parenthesis next to the index name.

Mobility (RwMOBILA): The five tasks included in the mobility index are walking several blocks, walking one block, walking across the room, climbing several flights of stairs and climbing one flight of stairs. Note that this index is missing for AHEAD entry cohort Respondents and their spouses in Wave 2, because one or more of the elements in the index is not available in Wave 2A.

Large Muscle (RwLGMUSA): The four tasks included in the large muscle index are sitting for two hours, getting up from a chair, stooping or kneeling or crouching, and pushing or pulling a large object. Note that this index is missing for AHEAD entry cohort Respondents and their spouses in Wave 2, because one or more of the elements in the index is not available in Wave 2A.

Activities of Daily Living (RwADL5A, RwADL6A): We define two activities of daily living indices. RwADL5A includes five tasks: bathing, eating, dressing, walking across a room, and getting in or out of bed. RwADL6A adds toileting to this list as well.

Gross Motor Skills (RwGROSSA): The four tasks in this index are chosen because of their consistency across waves. They include walking one block, walking across the room, climbing one flight of stairs, and bathing. Note that this index is missing for AHEAD entry cohort Respondents and their spouses in Wave 2, because one or more of the elements in the index is not available in Wave 2A.

Fine Motor Skills (RwFINEA): The three tasks included in this index are: picking up a dime, eating, and dressing.

Instrumental Activities of Daily Living (RwIADL5A): Not all waves ask the same Instrumental Activities of Daily Living (IADL) tasks. The usual IADLs were not asked in Wave 1. The tasks of RwIADL5A are asked in Wave 2A and from Wave 3 forward and include: using a telephone, taking medication, handling money, shopping, preparing meals.

[3] For Wave 1 only, we provide another measure of difficulty as defined in Wallace and Herzog (1995). The names of variables using this definition end in the letter "W." These are not comparable to the "some difficulty" measures in other waves.

2.1.2. Mental Health (RwCESD)

Depression (RwCESD): We derive one mental health index, RwCESD, using a score on the Center for Epidemiologic Studies Depression (CESD) scale. The CESD score (RwCESD) is the sum of six "negative" indicators plus the inverse (one minus the variable value) of two "positive" indicators. The negative indicators measure whether the Respondent experienced the following sentiments all or most of the time: depression, everything is an effort, sleep is restless, felt alone, felt sad, and could not get going. The positive indicators measure whether the Respondent felt happy and enjoyed life, all or most of the time. In Wave 1 the allowable responses to these questions are quite different that those in other waves, so this measure is not derived for Wave 1. Please see the "Mental health (CESD score)" section in Section F: Mental Health and Cognition for more information.

2.1.3. Cognition

The HRS has selected a set of measures related to cognitive function that are collected fairly consistently across waves, and have imputed values for them when they are missing. The imputations are publicly available from the HRS website[4], and we have included them in the RAND HRS Longitudinal File. The selected cognitive functioning measures include immediate and delayed word recall, the serial 7s test, counting backwards, naming tasks (e.g., date-naming), and vocabulary questions. In addition to the individual cognitive functioning measures, the HRS also derived three cognition summary indices, which we include in the RAND HRS Longitudinal File. The total recall index is available in all waves and summarizes the immediate and delayed word recall tasks. The mental status index sums scores from counting, naming, and vocabulary tasks and is available for Wave 2A and from Wave 3 forward. A total cognition score sums the total recall and mental status indices. RwCOG27 sums total word recall, serial 7's, and backwards counting from 20, resulting in a range of 0-27. RwCOG27 is available in Waves 3 forward and is mode-adjusted from Wave 14 forward.

2.1.4. Health Conditions (RwCONDE)

We derive one health problem index, RWCONDE that is the sum of indicators for whether a doctor has ever told the Respondent that s/he has ever had a particular disease. The eight included diseases are: high blood pressure, diabetes, cancer, lung disease, heart disease, stroke, psychiatric problems, and arthritis. In interviews after the baseline, prior responses were preloaded.[5] Each disease condition indicator variable has a corresponding flag variable that indicates whether the Respondent disputed the previous wave's indicator and whether the Respondent later denied having the condition through such a dispute. Note that the RwCONDE time series is not appropriate for tracking changes in the prevalence over time, and the individual variables without disputes incorporated should be used instead. These are available as a series of variables that recode the raw responses found in the HRS data.

2.1.5. Body Mass (RwBMI)

We derive one body mass index (RwBMI) that is calculated as weight divided by the square of height. Height is converted into meters and weight into kilograms. Beginning in Wave 3, height is only asked of new Respondents, but weight is asked in every wave. For Respondents being re-interviewed, height is carried forward from their first interview.

[4]The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are typically calculated only for the final release data. Note that for Waves 14 forward, some cognition measures collected via Web interviews differed in their implementation, measurement, or collection method. Due to these differences, these cognition variables are separated into two measures: one ending in [P] for Face-to-Face/Telephone interviews and one ending in [W] for Web interviews. For some variables, only the [P] for Face-to-Face/Telephone interviews measure is provided. Please review the HRS documentation linked below and the specific variable documentation, when applicable, in this documentation section.

Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2022) (Final Version V2.0) Data Description (HRS Staff, March 2026) on the HRS website for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

[5]The term "preloading" refers to information from a prior wave that the interviewer uses to prompt the Respondent. For example, suppose a Respondent indicated in Wave 2 that s/he had been diagnosed with diabetes. In Wave 3 questions, the interviewer will use this information. Typically, the Respondent is allowed to challenge preloaded information.

2.2. Health Change

We define and derive four groups of indices for health change: overall health, functional limitations, diagnosis, and subjective mortality risks. The health change indices are chosen for their quality in assessing health change and for their consistency across waves. Health change is calculated as health status in the current wave minus health status in the previous wave.

If a Respondent did not answer a health question in a certain wave (item non-response), the corresponding health change variable in that wave is set to missing. Similarly, if a Respondent did not participate at all in a certain wave (interview non-response), the corresponding health change variable in that wave is set to missing. If s/he did participate in the next wave, the health change variable of that next wave will be based on the most recent wave in which the Respondent participated, i.e., the change pertains to a change over four years instead of two. (Should the response to the health question in that most recent participatory wave be missing, the change will also be missing.) Separate flag variables indicate how many interviews were missed prior to the current wave. Additional flag variables are included to indicate that the Respondent disputed preloaded information.

2.2.1. Change in Overall Health

Change in Self-reported Health (RwSHLTC): These variables measure the change in self-reports of health categories "excellent," "very good," "good," "fair," and "poor." The health categories are numbered from 1 (excellent) to 5 (poor), so that positive values of the change in self-reported health denote deterioration. This measure is not available in the baseline wave.

Self-report of Health Change (RwHLTC): The HRS also directly asks about changes in health. The responses may be "much better" (1), "somewhat better" (2), "same" (3), "somewhat worse" (4), and "much worse" (5). Higher values denote a health deterioration. In Wave 1 for the HRS entry cohort and Wave 2 for the AHEAD entry cohort, the change in health is relative to one year ago; in subsequent waves, the changes are relative to the previous interview, two years ago.

2.2.2. Change in Diagnoses of Specific Health Conditions

We derive one set of variables that measure the increase in the number of health conditions since the last interview. The number of health conditions (high blood pressure, diabetes, cancer, lung disease, heart disease, stroke, psychiatric problems, arthritis) is captured in variables RwCONDE (see above); the increase since the last interview is in RwCONDS. It is not available in the baseline wave.

2.2.3. Change in Assessment of Relative Mortality

Change in Relative Probability of Living to Age 75 or 85 (RwLIV75C, RwLIV85C): We constructed two sets of variables that measure change in relative mortality risk. The HRS asks for subjective probabilities of living to age 75 and to age 85. We first computed the ratio of these reported probabilities to the probability implied by the annual Vital Statistics life tables (controlling for age and sex). The annual table used corresponds to the interview year. We then take the difference in relative mortality risks between waves. These indices are not available in the baseline wave.

In Waves 2A (AHEAD 1993), 3A (AHEAD 1995), and from Wave 5 (HRS 2000) forward, the wording for the question analogous to the subjective probability of living to age 85 changed significantly enough that the change variable is no longer longitudinally consistent. Please see the description of these variables in the Data Codebook for more details.

2.3. Health Care Utilization and Medical Expenditures

The construction of health care utilization and medical expenditures variables is complicated by differences in the questions across waves. Health care utilization questions are asked in all waves, but the categories of care differ. Medical expenditure questions can be divided into two broad types: out-of-pocket expenditures, which are costs paid by the household, and total medical expenditures, which encompass costs incurred by both the household and by insurance plans on behalf of household members.

Individual out-of-pocket medical expenditure components are summed to create the two total out-of-pocket medical expenditure measures found here and in the RAND HRS Detailed Imputations File. For each measure, a flag indicates whether any or all of its components have been imputed. Individual medical expenditure components and imputation flags are available in the RAND HRS Detailed Imputations File.

Medical expenditure measures are reported at the Respondent level, with one exception. In Wave 2A, the Financial Respondent reports the medical expenditures for themselves and spouse, yielding household-level data.

2.3.1. Health Care Utilization

In Wave 1 (1992), Respondents are asked about hospital stays and their duration, nursing home stays and their duration, doctor visits and their number, and home health care in the twelve months prior to the interview. In Wave 2A (1993), Respondents are asked about hospital stays and their duration, nursing home stays and their duration, doctor visits and their number, prescription drugs and their quantity, outpatient surgery and dental care in the twelve months prior to the interview. In addition to the utilization questions asked of the Respondent about themselves, in Wave 2A, some utilization questions are also asked of the Financial Respondent about the entire household.[6] In Wave 2H (1994), the Respondents are asked about the same types of services as Wave 1, plus prescription drug use since the previous interview (for re-interviews) or in the previous two years (for new interviewees). Beginning in Wave 3H (1996), Respondents are asked about hospital stays and their duration, nursing home stays and their duration, doctor visits and their number, prescription drugs and their quantity, outpatient surgery, dental care, home health care and special facility services. The reference period is since the previous interview (for re-interviews) or in the previous 2 years (for new interviews and where preload information about the prior interview is missing).

2.3.2. Out-of-Pocket Medical Expenditures

Core Interview

In Wave 1, there are no questions asked about the costs of health care services. In Wave 2A, only the Financial Respondent is asked to estimate out-of-pocket expenses in the last 12 months for the entire household for two service categories: nursing home stays and all other medical expenditures without specific reference to any of the reported utilization. In Wave 2H (1994), and in all waves going forward, both Financial and non-Financial Respondents are asked whether health care costs are covered fully or partially by insurance and asked to estimate out-of-pocket medical expenditures for the reference period. If Respondents are unable to provide exact estimates, a series of follow-up unfolding bracket questions are asked. In Wave 2H, Respondents are asked to report an estimate of out-of-pocket costs that considers all service categories together. From Waves 3-5, Respondents are asked about out-of-pocket spending in four categories: (1) hospital and nursing home costs; (2) doctor, dentist and outpatient surgery costs; (3) average monthly prescription drug costs; and (4) home health care and special facilities or services costs. Beginning in Wave 6, the number of categories expands to eight: (1) hospital costs; (2) nursing home costs; (3) doctor visits costs; (4) dentist costs; (5) outpatient surgery costs; (6) average monthly prescription drug costs; (7) home health care; and (8) special facilities costs. Beginning in Wave 10, a ninth category seeks to capture any additional out-of-pocket medical expenditures that cannot be assigned to any of the other categories.

In Wave 8 only, Respondents are asked different questions about out-of-pocket prescription drug costs depending on whether they have enrolled in Medicare Part D. For those whose prescription drug use and cost are unaffected by Medicare Part D, the reported or imputed monthly average is multiplied by the number of months in the reference period to estimate total drug costs. For those enrolled, two questions ask if their use or costs of prescription drugs changed. If the answer to either of these questions is "yes," then Respondents report two average monthly out-of-pocket amounts: one for the 12 months prior to coverage under Part D and another for the 12 months after. Monthly prescription drug costs for Wave 8 is, then, calculated as:

R8MDRUGMO = ([# Months post-Part D * expenses post-Part D] + [(R8LIWREFM - # Months post-Part D) * expenses pre-Part D])/R8LIWREFM

This provides R8MDRUGMO as the average of pre-and post-part D coverage adjusted by the proportions of months in the reference period with part D coverage. R8MDRUGMO is then multiplied by the reference period variable RwLIWREFM to provides the total amount of medical expenditures, RwMDRUG.

The variable RwPARTD contains the flag for Medicare Part D status, and has the following values: 0 = No Part D, 1 = Part D but no change, and 2 = Part D and change in use or cost. The variable R8MDRUG can be found in the RAND HRS Detailed

[6]The Financial Respondent is asked questions about whether either in a couple has had any hospital stays, nursing home stays, doctor visits, outpatient surgery, dental care, prescription drugs, home health care, and other services, but is not asked to quantify any of these. When a Respondent's individual answers about themselves and the Financial Respondent's household-level information are both available and in disagreement, the Respondent's own report is used. Where necessary and possible for utilization variables, we use household-level data to fill in missing Spouse information.

Imputations File. Partial components for each subcomponents are available upon request.

Exit Interview

In Wave 1 and Wave 2A, there are no Exit Interviews. In Wave 2H, we do not provide medical expenditure variables due to limited information for this wave. From Wave 3 forward, medical utilization questions cover the period between the last interview and time of death. The Respondent's proxy is asked whether health care costs are covered fully or partially by insurance, and to estimate out-of-pocket medical expenditures between the last interview and time of death. If the Respondent's proxy is unable to provide exact estimates, a series of follow-up unfolding bracket questions are asked.

For Exit Interviews conducted in Waves 3, 4 and 5, questions ask separately about out-of-pocket costs for the following categories of service: (1) hospital and nursing home costs; (2) doctor visit costs; (3) average monthly prescription drug costs; (4) home health care and special facilities or services costs; (5) hospice costs; and (6) other out-of-pocket medical expenditure costs.

For Exit Interviews conducted from Wave 6 to Wave 9, questions ask separately about out-of-pocket costs for the following categories of service: (1) hospital costs; (2) nursing home costs; (3) doctor visits costs; (4) average monthly prescription drug costs; (5) home health care costs; (6) special facilities costs; (7) hospice costs and (8) other out-of-pocket medical expenditure costs.

For Exit Interviews conducted in Wave 10 forward, questions ask separately about out-of-pocket costs for the following categories of service: (1) hospital costs; (2) nursing home costs; (3) doctor visits costs; (4) dentist costs; (5) outpatient surgery costs; (6) average monthly prescription drug costs; (7) home health care costs; (8) special facilities costs; (9) hospice costs, and (10) other out-of-pocket medical expenditure costs.

2.3.3. Total Medical Expenditures

Core Interview

In Waves 1 and 2, there are no questions about the total costs of all medical services. In Wave 3H, Respondents are asked to estimate total medical costs for all medical services since the previous interview. If the Respondent does not provide an exact amount, unfolding bracket follow-up questions are asked. In Wave 3A and from Wave 4 to Wave 6, an exact amount of total expenditures is not asked; all Respondents are directed into unfolding bracket questions. Starting in Wave 7, there are no questions about total medical expenditures.

Exit Interview

We do not create Exit Interview equivalents of the Core total medical expenditures variables (R3TOTMD/S3TOTMD, R3TOTMDF/S3TOTMDF, RwTOTMBI/SwTOTMBI, RwTOTMBF/SwTOTMBF).

2.3.4. Imputation Process

Where applicable, we impute out-of-pocket medical expenditures and total medical expenditures. We do not impute utilization. We do, however, include in the RAND HRS Detailed Imputations File a series of "ownership" variables that indicate if the Respondent paid out-of-pocket for at least some portion of a particular medical expense. These variables are also not imputed.

2.3.4.1 Out-of-Pocket Medical Expenditures

Core Interview

Beginning with Wave 3, we impute out-of-pocket medical expenditures across all waves using the following method. If a Respondent reports using a given service category and reports that insurance partially covered or did not cover costs for that category, we use the exact amount s/he reports.[7] Approximately half of those who report using a given service do not provide an exact amount; for those cases, we impute an exact amount using bracketed responses. With one exception, the imputation algorithm for imputing complete

[7] Some Respondents report using a particular service (e.g., hospital stays), and insurance did not pay the full cost. However, when asked how much they paid out-of-pocket for that service, they give an amount of $0. We treat these Respondents as "owners", since the costs may have been picked up by someone other than the Respondent.

brackets and exact amounts for out-of-pocket medical expenditures is the same as the algorithm used for imputing complete brackets and exact amounts for income and wealth; it is described in detail in Section 3. As previously mentioned, we do not impute "ownership" for out-of-pocket medical expenditures.

The one difference between the out-of-pocket medical expenditures imputation process and the income and wealth imputation process occurs when we impute exact amounts for nursing home costs. Specifically, when the imputation methods for medical expenditures in the Core Interview data were developed, it was found that the tobit model we use for open-ended brackets in the income and wealth imputations fit the medical expenditures data poorly, and that nearest neighbor imputations better reflected the distribution. Therefore, the nearest neighbor is used for such cases in the medical expenditures imputation.

The imputation model predictors are age, age-squared, education, subjective health status, gender, marital status, race, whether an individual has any health insurance, whether an individual reported a hospital or nursing home stay, number of doctor visits, and whether the hospital, nursing, or doctor visit data are missing. A zero value is assigned to each category where Respondents report not using a given service category or report that insurance fully covered all associated costs. Expenditures are then summed across service categories to calculate total out-of-pocket expenditures. The procedure produces an imputed value for out-of-pocket medical expenditures for all individuals in the sample, including those with missing data.

For Wave 2A, the imputation process is slightly different. We start by imputing out-of-pocket expenditures in the two service categories in Wave 2A, nursing home expenses and all other medical expenses, both of which are reported at household-level by the Financial Respondent. If an exact amount is not provided, bracketed responses are available for both categories. There is an additional step in the imputation process for Wave 2A because the out-of-pocket expense also needs to be allocated to individuals in couple households.

Two different allocation processes are used for the spending categories. There is one couple household where both members report a nursing home stay. For this case, the household-level expense is allocated to the individuals based on the relative length of all stays. For all other households, the individual who has the nursing home stay is allocated the household-level amount.

The imputation for all other medical expenses is carried out at the household-level first, then allocated to individuals in a second step. For consistency with other waves, values are derived for non-nursing home out-of-pocket expenses only if a Respondent reports using at least one service category other than nursing home stay and reports having partial or no insurance for any of those categories. Consistent with other waves, if an exact expenditure is reported, we use that value. If an exact amount is not reported, we impute an exact amount using bracketed responses with the same imputation algorithm used for income and wealth[8] and the same covariates that are used for medical expenditure imputations described above. For the household-level imputation, both male and female covariates are used. If the household is a single individual or if only one individual in a couple reports any utilization, the total imputed household-level amount is assigned to that individual.

Two additional imputation models are used to allocate the expense among the couples where both have any service not covered by insurance. In these models, the sample and covariates are at the Respondent level. In the first model, we assume the Financial Respondent is missing the expense and assign the Spouse the entire imputed household-level amount. In the second model, we reverse the situation, assuming the Spouse is missing the expense. We use the resulting imputed expenses only to calculate a proportion based on the Financial Respondent's expense imputed from the first model and the Spouse's expense imputed from the second. We use that proportion to allocate the imputed household-level expense to each individual. The individually allocated amount is then summed with the out-of-pocket nursing home expenses.

In addition to the estimate of the Respondent's total out-of-pocket spending, we also provide the imputed household-level amount (H2OOPMD). For some households, no uncovered expenses are reported, but some out-of-pocket medical expenses (excluding nursing home) are. These probably represent expenses for services not specifically asked about, such as durable medical equipment or over-the-counter drugs. If no uncovered expenses are reported, H2OOPMD is set to zero, even if some out-of-pocket expense is given. A second version of total out-of-pocket expenses is imputed without restricting the sample to those reporting an uncovered medical expense. This is included on the file as H2OOPMA.

Exit Interview

[8] Again, we do not impute ownership for medical expenditures. See Section 3 for complete details on the Income and Wealth imputation methodology.

Beginning with Wave 3, we impute out-of-pocket medical expenditures across all waves using the following method. If a Respondent's proxy reports using a given service category and reports that insurance partially covered or did not cover costs for that category, we use the exact amount s/he reports.[9] For those who report using a given service but do not provide an exact amount, we impute an exact amount using bracketed responses. With two exceptions, the imputation algorithm for imputing complete brackets and exact amounts for out-of-pocket medical expenditures in the Exit Interviews is the same as the algorithm used for imputing complete brackets and exact amounts for income and wealth; it is described in detail in Section 3. As previously mentioned, we do not impute "ownership" for out-of-pocket medical expenditures.

The first difference between the out-of-pocket medical expenditures imputation process and the income and wealth imputation process occurs when we impute exact amounts for nursing home costs. Specifically, when the imputation methods for medical expenditures in the Core Interview data were developed, it was found that the tobit model we use for open-ended brackets in the income and wealth imputations fit the medical expenditures data poorly, and that nearest neighbor imputations better reflected the distribution. Therefore, the nearest neighbor is used for such cases in the medical expenditures imputation. We adopted this as well for the Exit Interview data.

The second difference is that we pool Exit Interview data across waves for the medical expenditure imputations. This is because there are naturally fewer Exit Interviews than Core Interviews. The pooled waves vary by the type of medical expenditure. Table 3 shows how the waves were pooled, as well as the types of medical expenditures available for each wave.

Table 3. Exit Interview Imputation Pools and Types of Medical Expenditures by Wave

<table>
<tr><th></th><th></th><th colspan="10">Medical Expenditure Type*</th></tr>
<tr><th>Year</th><th>Wave</th><th>REMOPS</th><th>REMDENT</th><th>REMHOSP</th><th>REMNHM</th><th>REMHHC</th><th>REMSPEC</th><th>REMDR</th><th>REMDRUG</th><th>REMCHSP</th><th>REMOTHX</th></tr>
<tr><td>1995</td><td>3</td><td rowspan="9">Not Asked</td><td rowspan="9">Not Asked</td><td colspan="2" rowspan="2">Combined as REMHPNH</td><td colspan="2" rowspan="2">Combined as REMHCSP</td><td rowspan="2"></td><td rowspan="2"></td><td rowspan="8"></td><td rowspan="2"></td></tr>
<tr><td>1996</td><td>3</td></tr>
<tr><td>1998</td><td>4</td><td colspan="2" rowspan="3"></td><td colspan="2" rowspan="3"></td><td rowspan="3"></td><td></td><td rowspan="3"></td></tr>
<tr><td>2000</td><td>5</td></tr>
<tr><td>2002</td><td>6</td><td rowspan="2"></td><td rowspan="2"></td><td rowspan="2"></td><td rowspan="2"></td><td rowspan="2"></td></tr>
<tr><td>2004</td><td>7</td></tr>
<tr><td>2006</td><td>8</td><td rowspan="3"></td><td rowspan="2"></td><td rowspan="2"></td><td rowspan="2"></td><td rowspan="2"></td><td rowspan="2"></td></tr>
<tr><td>2008</td><td>9</td></tr>
<tr><td>2010</td><td>10</td><td rowspan="8"></td><td rowspan="8"></td><td rowspan="8"></td><td rowspan="8"></td><td rowspan="8"></td><td rowspan="8"></td><td rowspan="8"></td><td rowspan="8"></td></tr>
<tr><td>2012</td><td>11</td></tr>
<tr><td>2014</td><td>12</td><td rowspan="6"></td></tr>
<tr><td>2016</td><td>13</td></tr>
<tr><td>2018</td><td>14</td></tr>
<tr><td>2020</td><td>15</td></tr>
<tr><td>2022</td><td>16</td></tr>
</table>

*Out-of-pocket costs for outpatient surgery (REMOPS), dentist (REMDENT), hospital (REMHOSP), nursing home (REMNHM), hospital + nursing home (REMHPNH), home health care (REMHHC), special facilities (REMSPEC), home health care + special facilities (REMHCSP), doctor visits (REMDR), prescription drugs (REMDRUG), hospice (REMCHSPC), and other medical expenditures (REMOTHX).

For example, in Waves 3-5, the surveys ask about out-of-pocket hospital and nursing home costs combined, whereas in Waves 6-9, they are asked as separate questions. Therefore, Waves 3-5 and Waves 6-9 are pooled for the associated imputations. The variables in the table above are available in the RAND HRS Detailed Imputations File, and are summed to create the two total out-of-pocket medical expenditure measures found here and in the RAND HRS Detailed Imputations File.

The imputation model predictors are age at death, age at death squared, log of months since death, education, subjective health status at last live interview, gender, marital status, race, whether an individual had any long term care insurance, whether an individual had any Medicare coverage at time of death, Medicare coverage for doctor visits, Medicare prescription drug coverage, or Medicare supplemental coverage, whether an individual had any Medicaid coverage at time of death, whether an individual reported a hospital, hospice, or nursing home stay, number of doctor visits, and whether the hospital, nursing, or doctor visit data are missing. A zero value is assigned to each category where Respondents report not using a given service category or report that insurance fully covered all associated costs. Expenditures are then summed across service categories to calculate total out-of-pocket medical expenditures. The procedure produces an imputed value for out-of-pocket medical expenditures for all individuals in the sample, including those with missing data.

[9] Some Respondent's proxies report using a particular service (e.g., hospital stays), and insurance did not pay the full cost. However, when asked how much the Respondent paid out-of-pocket for that service, they give an amount of $0. We treat these Respondents as "owners", since the costs may have been picked up by someone other than the Respondent.

2.3.4.2 Total Medical Expenditures

Core Interview

Questions about total medical expenditures are asked in Waves 3-6, but Respondents are only asked to estimate an exact amount in Wave 3H. For Wave 3H, we provide variables that contain the imputed amounts (R3TOTMD) and brackets (R3TOTMBI). For Waves 3A, and for Waves 4-6, there are no questions asking about exact total medical expenditures. Rather, all Respondents are directed into unfolding bracket questions. For these waves, we impute complete brackets when incomplete bracket information is provided (RwTOTMBI) using the imputation methods described above. However, since the HRS did not ask for the exact amount of total expenditures (except in Wave 3H), we cannot impute these amounts by the nearest neighbor approach. Instead, we estimate an ordered logit model and impute based on the predicted value plus a random draw from the residual distribution, analogous to the approach that was followed for open-ended brackets in the Income and Wealth imputations. Beginning in Wave 7, questions about total medical expenditures are dropped from the survey.

Exit Interview

We do not create Exit Interview equivalents of the Core total medical expenditures variables (R3TOTMD/S3TOTMD, R3TOTMDF/S3TOTMDF, RwTOTMBI/SwTOTMBI, RwTOTMBF/SwTOTMBF).

2.4. Wages

We construct wages using data on labor earnings and labor supply from the HRS Employment Section. This section focuses on the Respondent's main job. The HRS first asks Respondents whether they are currently working, unemployed, temporarily on leave, disabled, retired, or a homemaker. From individuals currently working for pay, the HRS asks to report normal hours per week and weeks per year worked on the main job. All individuals are asked whether they receive a regular salary, work by the hour, perform piecework, or get paid in some other manner. Regardless of the answer, they are then allowed to report their earnings from their main job in any interval they desire. That is, they can report their earnings as hourly, weekly, biweekly, monthly, yearly, or over some other interval. Self-employed individuals are also asked to report any profits they receive from their main job.

The RAND HRS Longitudinal File contains both hourly and weekly wages. Hourly are stored in variables RwWGIHR; weekly wages in RwWGIWK. We scale reported earnings up or down to arrive at hourly and weekly wages as necessary. For example, if a Respondent reports an hourly wage then we assign that as their hourly wage and multiply it by reported hours worked per week to calculate the weekly wage. Individuals reporting a weekly wage are assigned that as their weekly wage and their weekly wage divided by hours worked per week as their hourly wage. We include both hourly and weekly wages in the data so that a wage rate is available even if hours worked per week is missing. Annual wages are scaled down in a similar fashion by annual number of weeks worked. We assume that biweekly and monthly wages represent wages for two and 52/12 weeks, respectively. We treat self-employed profits identically to earnings. Flag variables indicate whether the wage rate is self-reported, derived from self-employed profits, or imputed (see below). We do not include overtime wages in our figures. All wages are reported in nominal dollars.

The wage rate variables are missing for individuals who are out of the labor force or who did not provide sufficient information to calculate an hourly or weekly wage. Out of the labor force includes retired, disabled, on temporary leave, and homemakers. Missing rates increase as the number of retirees increase but decrease at the waves in which a new, younger cohort is added (Waves 4, 7, 10, 13, 16). The means and medians of these calculated wages appear to be within reason across waves and are consistent with labor income reported in the assets and income section.

We impute wages for the unemployed. We use two methods for imputing such wages. First, the unemployed are asked to report the wage on their last job since the previous interview. If available, we use that wage as the current wage. If not available, we take the wage reported in the previous wave. If that wage is not available either, we proceed backwards through successive waves until we find a valid wage for that individual. This includes using information from the individual's Wave 1 job history file, if necessary. The prior wage is then adjusted to the current interview year using CPI-U. This method produces an imputed wage for approximately 90 percent of unemployed individuals. For the remaining unemployed, we predict wages from the full sample using a regression of (the logarithm of) wages on age, age-squared, education, race, marital status, whether unemployed in any wave, and Census region of residence. We include flag variables (RwWGFHR for hourly and RwWGFWK for weekly wages) to indicate whether a wage rate was imputed, and which imputation method was used.

3. Income and Wealth Imputations

3.1. Background

The RAND HRS data contain a number of income and wealth variables. Where missing, we impute their values. In this section, we give an overview of the question sequences and imputation methods. A detailed technical description can be found in Hurd, Meijer, Moldoff, and Rohwedder (2016).[10]

Most HRS and AHEAD questions on wealth and income follow the same pattern. Consider holdings of stocks and mutual funds as an example. First, the interviewer asks whether the Respondent (or their spouse or partner) owns any shares of stock or stock mutual funds. If affirmative, the interviewer asks the value of these stock holdings. If the Respondent is unable or unwilling to provide an exact amount, the interviewer asks whether it is more than $25,000. If the answer is "more than $25,000," the interviewer asks whether it is more than $125,000, whereas if the answer is "less than $25,000," the interviewer asks whether it is more than $2,500. Depending on the responses, the ranges are narrowed down to $0-2,500; $2,500-25,000; $25,000-125,000; $125,000-400,000; $400,000 or more. These ranges are known as "brackets," and the sequence of probes into increasingly narrow ranges are known as "unfolding brackets" questions. The brackets vary by asset and income category, and the cut-off values (also known as thresholds), though generally stable, can change between waves. For example, the cut-off values for dividend and interest income in HRS 1994 (Wave 2H) are $200, $500, $2,500, and $10,000, while in HRS 1996 (Wave 3H) they are $1,000, $5,000, and $25,000.

The Respondent may opt out of the question sequence at any time. As a result, the raw data contain valid zero-value responses, exact amounts, complete bracket responses, incomplete bracket responses, claim of ownership without any information about the value, and unknown ownership. (We also use the term "ownership" to indicate whether a household or individual receives a certain kind of income or holds a certain kind of debt.) An incomplete bracket results if the Respondent provided some information about the value, but was unable or unwilling to respond through the last unfolding bracket probe. For example, if the Respondent indicated that the stock holdings amount to more than $25,000, but did not say whether they are worth more than $125,000, the range is an open-ended bracket of $25,000 or more. A claim of ownership without value results if the Respondent indicated that s/he owns stocks, but revealed neither the exact amount nor a range. A claim of ownership without value is a special case of an incomplete bracket, namely an open-ended bracket of greater than $0.

As an illustration, Table 4 shows the frequency distribution of response types on the ownership and value of stock holdings in HRS 1994 (Wave 2H). The stock holdings question is asked of the Financial Respondent in the household, and the unit of observation in the table is a household. The majority of Financial Respondents, 68.1 percent, report not owning any stocks (other than in retirement plans, which are not covered by this question). About one-fifth, 20.3 percent, own stocks and provide an exact value. All other categories require imputation.

Table 4. Distribution of Response Types on Stock Holdings (HRS 1994)

Response Type	Frequency	Percent
Continuous value	1,431	20.3
Complete bracket	487	6.9
Incomplete bracket	34	0.5
Owns, no value/bracket	111	1.6
No asset	4,803	68.1
Don’t know ownership	66	0.9
No Financial Respondent	119	1.7
Total	**7,051**	**100.0**

Note the last category in Table 4 "No Financial Respondent." These are cases in which the HRS, for whatever reason, did not interview

[10] Hurd, M. D., E. Meijer, M. Moldoff, and S. Rohwedder (2016). Improved wealth measures in the Health and Retirement Study: Asset reconciliation and cross-wave imputation. Santa Monica, CA: RAND Corporation, Center for the Study of Aging. (http://www.rand.org/pubs/work ing_papers/WR1150.html)

a Financial Respondent.[11] For those cases, virtually nothing is known about financial issues. The RAND HRS data contain imputed values for these households, but the user should be aware that these imputations are subject to potentially large errors. They may be identified through flag variables. For example, Table 4 is derived from variable H2AFSTCK ("H2AFSTCK:W2 Asst Flag:Stocks").

In summary, the data contain valid responses and several types of responses that require imputations. In decreasing order of informational content:

- Case 1: We may know a "complete" range of values;
- Case 2: We may know that the household owns the asset (or has the income type), but have no information on its value, or only coarse information in the form of incomplete brackets; or
- Case 3: We may not even know whether the household owns an asset, much less its value.

3.1.1. Alternative Question Sequences

While the majority of income and asset questions follow the pattern described above, there are deviations.

Some questions, particularly income questions in HRS 1992 (Wave 1), do not probe for brackets if the Respondent is unable or unwilling to provide an exact amount. In the data, we classify missing responses in these cases as if there were unfolding bracket questions, but the Respondent refused to provide any range information, i.e., as Case 2 above.

Some interviewers in Wave 1 used so-called range cards instead of the sequence of unfolding bracket questions. This was especially prevalent for questions on the value of primary residence, mortgages, home loans, equity lines of credit, and debt. The range cards contain a list of ranges. For example, a card may have shown $0-100; $100-500; $500-1,000; $1,000-5,000; $5,000-10,000; $10,000 or more. The cards were intended for other purposes but were sometimes used inadvertently when Respondents were unable or unwilling to provide an exact amount.[12] Respondents who were presented a range card had instant knowledge of all cut-off values, as opposed to gradual access in unfolding bracket questions. The cut-off values on the range cards were typically different from those in the appropriate unfolding bracket sequence. We treat responses from range cards in the same way as complete brackets, i.e., Case 1 above. Naturally, we account for the cut-off values on the range cards, even if they are different from those in the unfolding bracket sequence.

Starting in HRS 1998 (Wave 4), the "entry point" of the unfolding bracket sequence was randomized in questions about assets. In other words, Respondents who were unable or unwilling to provide an exact amount were asked whether the value was more than a certain value, where that value varied across Respondents. The underlying idea was to reduce any response bias that may arise from the value of the entry point ("acquiescence bias"). We ignore the fact that the entry point varied across Respondents and process the resulting information in the same way as in previous waves.

Also starting in Wave 4, interviewers were able to record a new response. For example, suppose the interviewer asked "Is the amount greater than $5,000, less than $5,000, or what?" The potential answers now are "less than $5,000," "about $5,000," and "more than $5,000." In earlier waves, the second response was combined with the first or third response. The additional option is present at each subsequent branch. Where the Respondent indicates that the amount was "about" equal to a certain value, we take that value as an exact response and do not impute anything. However, this is still classified as a complete bracket in the imputation flag variable and not as a continuous amount. We treat range responses in the same way as those in earlier waves.

Finally, some cut-off values of specific asset and income questions changed between waves, as did the entry point. In addition, the way unfolding bracket information is presented in the raw data changes over time, from variables representing the "yes/no" questions through Wave 5, to variables summarizing them as a "minimum/maximum" of the range in Wave 6 forward. This did not affect the resulting response types.

[11] In some households, a Financial Respondent was designated, but in fact provided no financial data, perhaps due to a partial interview that ended before the main financial section of the survey was conducted. For some of these cases, house and mortgage information may have been provided but no other wealth or income data was collected in the main income and wealth section which follows the housing section in the survey instrument. For the income and non-housing wealth imputation flags, cases missing the entire section of financial data are treated as though there is no Financial Respondent.

[12] The Wave 1 interview was face-to-face; subsequent interviews were conducted mostly by telephone. For all subsequent waves, interviews with Respondents 80 years of age or older, as well as initial interviews (for all cohorts and new cohorts), are also conducted face-to-face. Starting with the HRS 2006 wave, about half of the sample is interviewed face-to-face (to facilitate the collection of additional content), and half is interviewed by telephone.

3.2. Imputation Process

The HRS public release files provide imputations for many asset and income types in earlier waves, but the imputation method is not consistent across all waves, and there are no imputations in more recent waves. The RAND HRS data contain imputations of all asset and income types using a consistent method for all waves. The RAND HRS Longitudinal File contains aggregate measures of income and assets. The RAND HRS Detailed Imputations File is a more complete and detailed file, containing all partial component imputations in addition to the aggregate measures, and is available on the HRS website.

As defined previously, there are three types of missing values that require separate types of imputation. Correspondingly, we have developed three progressive imputation steps: to impute an exact amount, given that a range is known; to impute a range, given that ownership or only incomplete range is known; and to impute ownership, in case nothing is known. Table 5 illustrates the type of imputation necessary for each type of missing value.

The imputation process is progressive in the sense that we first impute ownership for those for whom nothing is known. Given ownership, we impute brackets. Given brackets, we impute exact amounts. We always use all available information. In particular, where incomplete brackets are known, we impute complete brackets in the given range.

Table 5. Response Types and Required Imputations

Reported Information	Required Imputation
Continuous value	None
Complete bracket	Amount
Incomplete bracket	Bracket, Amount
Owns, no value/bracket	Bracket, Amount
No asset	None
Don't know ownership	Ownership, Bracket, Amount
No financial Respondent	Ownership, Bracket, Amount

3.2.1. Ownership Imputation

To impute ownership, we first estimate a logistic regression model of ownership based on the sample of Respondents with non-missing ownership information for the asset or income type at issue. The covariates are discussed below. Next, we calculate the predicted probability of ownership for households with missing ownership information. Finally, we draw a random number from a uniform distribution between zero and one. We impute ownership if the predicted probability exceeds the random number and non-ownership otherwise.

The estimation sample varies by asset and income type. For example, a household that reports whether they own their primary residence, but does not report whether they own stocks or mutual funds, enters the estimation sample for ownership of the former, but not the estimation sample for ownership of the latter.

In some waves and for some asset and income types, ownership is rare and the logistic regression model fits the data poorly. Instead of imputing on the basis of a logistic model, we randomly assign ownership with a probability of ownership found in the nonmissing sample. This is equivalent to fitting a logistic model without covariates. We apply this procedure for assets in waves with fewer than 50 households reporting ownership.

3.2.2. Bracket Imputation

We impute brackets for asset owners and income recipients (imputed and reported) who do not report a continuous value and do not fully complete the questionnaire bracketing sequence on asset or income value. First, we estimate an ordered logit model based on the sample of households who do not report a continuous value but do complete the bracketing sequence. The covariates are discussed below. Next, we calculate the predicted probabilities of being in each bracket for Respondents with missing or incomplete bracket information. For those who partially complete the bracketing sequence, we calculate conditional probabilities based on the range of possible values from their answers. Finally, we draw a random number from a uniform distribution between zero and one and assign a bracket based on a comparison of the random number with the cumulative distribution of range probabilities.

For some asset and income types, notably Wave 1 incomes, no bracket questions were asked. For these items, this step is skipped and we treat the strictly positive dollar range as a single large open-ended bracket.

Beginning in Wave 4, those households who do not report a continuous value at the first opportunity but do give an "about" response during the unfolding bracket sequence of questions are included in the logit model. Probabilities are then estimated for being in each bracket and each cutpoint value. Households imputed to one of the cutpoint values need no amount imputation for that particular component.

For some asset and income types, fewer than 50 households completed the bracket sequence in a certain wave. If this is the case, we follow the same strategy as with rare ownership. That is, we impute the bracket using only the marginal probabilities and no covariates. In some rare cases, there is not even enough information in the marginal probabilities, and we skip the bracket imputation and impute amounts directly. This happens when only one complete bracket range is reported (so this would otherwise get probability 1), or when the incomplete bracket range reported is completely outside the range of the reported complete bracket ranges.

3.2.3. Amount Imputation

We impute exact amounts for all cases with (reported or imputed) bracket information. The procedure is different for cases in closed vs. open-ended brackets.[13] For closed brackets, we use a "nearest neighbor" approach; for open-ended brackets, a tobit-based approach.

In the nearest neighbor approach for closed brackets, we first estimate a linear regression model based on the sample of households who report an exact continuous value. The covariates are discussed below. The distribution of asset and income amounts tends to be roughly lognormal, so we would like to apply a logarithmic transformation to the outcome (asset, income) variable. However, some outcomes, such as business income, may be negative. The frequency with which this occurs is very low - too low to allow for a fully flexible model specification.

[13] A closed bracket has finite cut-off values; an open-ended bracket is, for example, $500,000 or more, so the upper limit is infinite.

Instead, we therefore apply the inverse hyperbolic sine transformation[14] and use this as the dependent variable. Next, we compute predicted values for all cases, both with and without exact amounts. For each missing observation in a closed bracket, we find the household that is closest in *predicted value*, among the households that report an exact amount within that bracket. This is the nearest neighbor. We then impute the actual value reported by the nearest neighbor.

For some asset and income types, fewer than 50 households reported a continuous value in a given wave. In this case, instead of a nearest neighbor from a regression model, a donor household is found using a conditional hotdeck procedure. This can be viewed as a nearest neighbor method without covariates, but because there are multiple households that are equally near (i.e., they all gave continuous answers that fall in the given bracket), one is chosen at random.

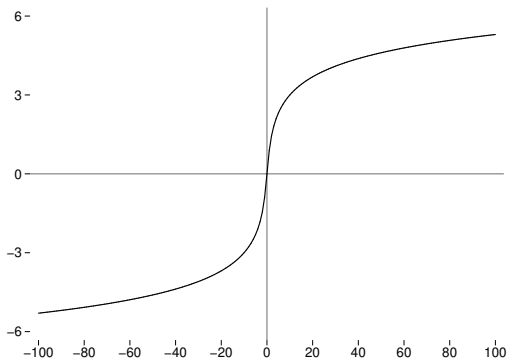
Another exception is that sometimes there are not enough donors in the given bracket, where we define "not enough" as being less than two observations. In this case, a value within the bracket is imputed from a lognormal regression model. This is similar to the tobit procedure discussed below, but includes all positive values in the estimation.

In exploratory work, we applied the nearest neighbor method to missing amounts in both closed and open-ended brackets. However, we found that the resulting imputations generated implausible distributions at the top of the distribution. The data contain some outliers which the nearest neighbor approach selects with too high a frequency to be plausible. We therefore developed an alternative approach for open-ended brackets.

For missing observations in open-ended brackets, we estimate a separate model. In essence, we estimate a lognormal regression model. However, as indicated above, the observed distributions differ from the lognormal distribution because there occasionally are negative values, and in general the smaller observed values do not fit the lognormal distribution as well. But we only use this model for imputing values in the upper bracket, so the goal is to approximate the right tail of the distribution closely. Therefore, we first censor observations in the bottom 25 percent of the outcome variable. That is, we keep the information that they are less than the 25th percentile, but not the actual values. This ensures that the values used in the estimation are all positive and that their distribution is close to (censored) lognormal. Based on this sample of non-missing observations, we estimate a censored regression (tobit) model. The covariates are discussed below. The dependent variable in this model is a logarithmic transformation of the actual amount, and the residuals on this scale are assumed to be normally distributed and homoskedastic. We then compute predicted values of the log-amount for missing observations. To preserve the spread of the distribution of outcomes in the imputations, we add a draw from the residual distribution to this log-amount, and then untransform (exponentiate) the result. The residual distribution is assumed to be normal (with a zero mean and a standard deviation equal to the estimated standard deviation of the residual in the tobit regression model), but truncated from the left to ensure the resulting value is in the top bracket. Note that this truncation point is higher than the censoring point used in the estimation.

For some asset and income types, fewer than 100 households report a continuous value in certain waves.[15] If this is the case, we follow an analogous strategy as with rare ownership and completed brackets. That is, we impute the value using only the marginal distribution and no covariates, where the marginal distribution is a truncated lognormal distribution. We have implemented this by

[14] The inverse hyperbolic sine transformation is given by $y = \ln(Y + \sqrt{Y^2 + 1})$. For positive values of outcome Y, not close to zero, this transformation closely mimics the logarithmic transformation. Only for small amounts, on the order of between $-\$10$ and $+\$10$ is the transformation appreciably different from the logarithmic transformation. The transformation is point-symmetric around zero. It may be graphed as:



If the logarithmic transformation were added to this graph, it would be indistinguishably close on the north-east quadrant (up to a scale factor).

[15] We use 100 here rather than the 50 used for the other models, because the estimates of the tobit models with covariates were still unstable with sample sizes between 50 and 100.

estimating the aforementioned tobit model, but omitting the covariates and imputing the value accordingly.

When using the tobit imputation method without upper bound, the imputation algorithms will sometimes produce amounts that are unrealistically large. To avoid imputing such outliers, the tobit method as implemented (with a very small number of exceptions) uses the 99.5th percentile of the distribution of the reported amounts as the upper bound. We have found that this reflects the observed distribution well, while avoiding large amounts similar to reported outliers. Note that outliers in the reported data are not changed, and users have to decide how to handle them.

3.2.4. Covariates

The number of model specifications in the imputations is large. There were four waves of data when these methods were initially developed, with well over a dozen asset and income types, and each requires four equations. We have experimented extensively with model specifications. On the one hand, we would like to select covariates that predict the outcome variables best. On the other hand, we would like the specifications to be parsimonious and consistent across asset and income types. Consistency across asset and income types has caused problems with those for which only small samples are available. In the end, we have opted for the same set of covariates in all asset model specifications (ownership, bracket, and amount for all asset types) and another set in the income specifications. The sets are formed by principal components of approximately 30 underlying covariates. For income imputations, the underlying covariates include (transformations of) husband and wife's employment status, education, health status, age, race, marital status, occupation class,[16] cognition, and bequest expectations. For wealth imputations, the same set applies, but excludes employment status and includes a number of income amounts (imputed, when necessary) and indicators of pension or government benefit receipt. We have found that using the first ten principal components results in model fits that in most cases are very close to the fit from the larger set of covariates, with very few sample size issues. (The previous sections have explained what we do in cases where there are sample size issues.) The set of regressors varies slightly across waves, and the principal component loadings are computed separately for each wave. For example, Table 6 shows summary statistics and loading of the covariates that make up the principal components of the Wave 2 income imputations.

The imputations using this set of covariates should be satisfactory for many purposes. Comparisons of the resulting distributions of income and assets with distributions from external sources (e.g., asset distributions from the Survey of Consumer Finances) indicate that the distributions match well. If they differ substantially from distributions in other surveys, the distributions in the HRS often seem to be more plausible. However, the imputations are sometimes less satisfactory for analyses of longitudinal patterns, especially for asset changes between waves. In particular, when a household reports a "no value/bracket" or "don't know ownership," this method may lead to large changes between waves, more than is to be expected in the population, because the method does not take the correlation (or persistence) across time into account. Therefore we provide cross-wave imputations of asset variables, which take information from adjacent waves into account.

[16] Beginning in Wave 8 (2006), HRS changed the coding of occupation from the 1980 U.S. Census Occupation Codes to those for 2000 (a supplemental file has since been released for Wave 7 (2004) that uses the 2000 U.S. Census Occupation Codes as well). One of the covariates we use in the imputation process is an indicator for whether or not a person's occupation is defined as "professional" (See Table 6, M_PROF and F_PROF). The 1980 codes were collapsed into 17 categories, and determining who was professional was relatively straightforward (See JMW201AM in the HRS 2004 codebook for a list of these categories). Specifically, we defined professionals as anyone in the first two categories (i.e., "Managerial specialty operation," or "Professional specialty operation and technical support").

The 2000 U.S. Census Occupation Codes were used for Wave 7 (2004) to Wave 10 (2010) (a supplemental file has since been released for Wave 10 that uses the 2010 Census Occupational Classification System as well). The 2000 codes were collapsed into 25 categories, which were quite different from the 17 categories produced using the 1980 codes. We determined that the first 11 categories could appropriately be considered professional occupations (see KMW201AM in the HRS 2006 codebook for a list of these categories).

The 2010 Census Occupational Classification System was used for Wave 10 (2010) and beyond. The 2010 codes were collapsed into 23 categories, and are not that different from the 25 categories produced using the 2000 codes. Therefore, the first 10 categories were considered professional occupations (see NMW201AM in the HRS 2012 codebook for a list of these categories). In the end, we evaluate all of the information described above regarding occupation when deriving the "professional" covariate.

Table 6. Loadings on the First Two Principal Components (Wave 2 Income Imputations)

			Loadings on		
Variable	Mean	Std. Dev	First comp't	Second comp't	Description
BEQ10	61.46	42.46	0.3179	-0.0665	Probability Bequest $10,000+
BEQ10M	0.0538	0.2255	-0.1328	0.1187	Bequest $10,000 missing
BEQ100	31.83	40.41	0.3011	-0.0444	Probability Bequest $100,000+
BEQ100M	0.0580	0.2338	-0.1260	0.1106	Bequest $100,000 missing
M_COLLEG	0.1512	0.3583	0.2301	-0.0233	Male: College Graduate
F_COLLEG	0.1245	0.3302	0.1486	-0.1290	Female: College Graduate
M_HSGED	0.3923	0.4883	0.1484	0.1619	Male: HS Diploma or GED
F_HSGED	0.5279	0.4993	0.1072	0.0180	Female: HS Diploma or GED
M_EXHLTH	0.3486	0.4766	0.2871	0.0329	Male: Excellent/Very Good Health
F_EXHLTH	0.4262	0.4946	0.2418	-0.0935	Female: Excellent/Very Good Health
M_PRHLTH	0.1730	0.3783	-0.1097	0.2370	Male: Fair/Poor Health
F_PRHLTH	0.2000	0.4000	-0.2293	0.0763	Female: Fair/Poor Health
M_PROF	0.2140	0.4102	0.2559	0.0341	Male: Professional Work
F_PROF	0.2075	0.4055	0.1646	-0.1176	Female: Professional Work
M_WORK	0.4526	0.4978	0.2489	-0.0652	Male: Currently Working
F_WORK	0.4848	0.4998	0.1308	-0.2148	Female: Currently Working
M_UNEMP	0.0199	0.1395	-0.0127	-0.0049	Male: Unemployed
F_UNEMP	0.0213	0.1443	-0.0313	-0.0442	Female: Unemployed
M_DISAB	0.0916	0.2885	-0.1164	0.1428	Male: Disabled/Temp Laid Off
F_DISAB	0.0957	0.2942	-0.1995	0.0298	Female: Disabled/Temp Laid Off
M_RETIR	0.1991	0.3994	0.0776	0.3696	Male: Retired
F_RETIR	0.0977	0.2970	0.0326	0.1803	Female: Retired
AGE	58.62	4.90	0.0242	0.4596	Age of Oldest Partner
AGESQ	3460.83	584.25	0.0238	0.4615	Squared Age of Oldest Partner
SINGLFEM	0.2293	0.4204	-0.2651	-0.3012	Single Female Financial Respondent
MARRIED	0.6745	0.4686	0.2807	0.2584	Married Couple
NONWHITE	0.2931	0.4552	-0.2297	-0.0161	Non-White Financial Respondent
MISSCOGN	0.0922	0.2893	-0.1101	0.0817	Missing Cognition Score
LOWCOGN	0.2801	0.4491	-0.1115	0.0737	Low Cognition Score

The cross-wave imputations add a few covariates to the models: In addition to the 10 principal components, we include the (inverse hyperbolic sine of) the value of the asset in the previous wave and the (inverse hyperbolic sine of) the value of the asset in the next wave. If there is a strong persistence in asset values over time, including these past and future values should capture this, and lead to imputations that show smoother patterns across time. If in the adjacent wave, the asset is not owned, we include zero as its value, and we include dummies for whether the household owns the asset in the previous and next wave. Changes in marital status (where we treat cohabitation the same as marriage, as is usual in the HRS) have potentially large effects on wealth, and wealth changes should be less smooth. Therefore, we also include a set of dummies for such changes: divorce or separation, death of the spouse/partner, or remarriage/new partnership. There is one set for changes between last wave and the current wave and one set for changes between the current wave and the next wave. See Hurd et al. (2016) for details of the definitions.[17]

If the household does not report a continuous value (or a no asset response) in an adjacent wave, we have a missing covariate, and thus we cannot impute the value for the current wave. To solve this problem, we first compute cross-sectional imputations (i.e., without the cross-wave information) for each household, and then use the cross-sectional imputation of the adjacent wave as the covariate in the current wave. However, for households for which we have no adjacent wave information, this still does not solve the issue. This happens when a household enters the sample (the first wave a cohort is entered); in the latest wave; or when a household does not participate in a wave. For imputing these cases, we use imputation models that include the cross-wave information from only

[17] Hurd, M. D., E. Meijer, M. Moldoff, and S. Rohwedder (2016). Improved wealth measures in the Health and Retirement Study: Asset reconciliation and cross-wave imputation. Santa Monica, CA: RAND Corporation, Center for the Study of Aging. (http://www.rand.org/pubs/work ing_papers/WR1150.html)

the previous wave or only the next wave, whichever is applicable. If neither previous nor next wave information is available for a household, we use the cross-sectional imputation.

In principle, all imputation models are wave-specific. That is, principal components are computed for each wave separately, and coefficients of the covariates in the imputation models are computed for each wave separately. However, the number of marital status changes is typically too small to estimate the coefficients of these dummies with enough precision in each wave separately. Therefore, we use all waves jointly to estimate these coefficients. That is, we estimate wave-specific coefficients for all covariates except the indicator variables for the change in marital status.

3.3. Asset Verification

After a successful experiment in 2001, described in Hill (2006)[18], the HRS added the *asset verification* section (section U; also called *asset reconciliation* section) to the questionnaire in 2002. Whenever there is a large discrepancy, defined as more than $50,000, between an asset value in the previous wave and the value of the same asset in the current interview, the Respondent is asked to verify, or correct when necessary, the asset values in the previous and current wave. The idea behind this is that large changes in asset values are rare and therefore, if we see them in the data, there may have been a reporting error or data entry error which we want to correct. The Respondent is only asked these verification questions if the same (Financial) Respondent reported the asset in both waves and total wealth differs by more than $150,000. The former is for disclosure reasons and the latter is to avoid flagging portfolio rebalancing (e.g., selling stocks and buying bonds instead).

In HRS 2002 and HRS 2004 (Waves 6 and 7), Respondents were asked about at most three assets in the asset verification section. From 2006 onward, Respondents could potentially be asked about all assets that were checked in this section, although it does not happen often that a Respondent is asked to verify more than a few assets. There are other changes between waves, for example in the preloaded information from the previous wave and how it is used. See Hurd et al. (2016) for the details.[19]

Beginning in HRS 2022, the asset verification section underwent a major revision. Specifically, HRS removed Section U from the end of the interview, and limited the number of assets for which asset reconciliation questions are asked by cross-referencing the most commonly questioned assets with those that were often reported as inaccurate. The reduced set of questions are now asked directly after questions about the asset. This includes questions about the primary residence, first mortgage on the primary residence, and second residence in Section H (Housing), and questions about businesses or farms, IRAs, stocks, checking/savings, and other assets in Section Q (Assets and Income). The global eligibility requirement that total wealth must differ by more than $150,000 has been removed, and a new condition has been added that the difference between waves must exceed the minimum of either the previous wave or the current wave.

The RAND wealth measures take corrections from the asset verification section into account. These corrections precede the imputations. First, corrections for the current wave are implemented. Then, corrections of the previous wave's value are evaluated. If the asset is not asked about in the previous wave's asset verification section, then we implement the correction of the previous wave's value. If the asset is also asked about in the previous wave's asset verification section, we generally use the result from the previous wave's asset verification section (the contemporaneous one). However, we inspect all cases where the results from the previous wave's asset verification section and the current wave's asset verification section differ by more than a factor of 9 to catch gross errors, in particular accidental errors in the number of zeros.

The corrections from the asset verification section occasionally lead to some complications, such as inconsistent data that cannot occur in the main questionnaire because of skip patterns and complications with the implementation of the imputation methods. An example of the former is that the main questionnaire has a branch of questions in case the primary residence is a mobile home, and another branch of questions if it is another type of dwelling. In some cases the corrections from the asset verification section lead to the household having a number in both branches. We check all such cases and determine what is the most reasonable way to interpret the data and then make it consistent with the logic of the main questionnaire. An example of a complication with the imputations is where unfolding bracket thresholds are not always the same. See Hurd et al. (2016)[20] for the details and how we dealt with these issues.

[18] Hill, D. H. (2006). Wealth dynamics: Reducing noise in panel data. *Journal of Applied Econometrics, 21*, 845-860

[19] Hurd, M. D., E. Meijer, M. Moldoff, and S. Rohwedder (2016). Improved wealth measures in the Health and Retirement Study: Asset reconciliation and cross-wave imputation. Santa Monica, CA: RAND Corporation, Center for the Study of Aging. (http://www.rand.org/pubs/work ing_papers/WR1150.html)

[20] Ibid.

3.4. Substantive Differences Across Waves

In addition to survey-technical changes between waves and the introduction of the asset verification section, there have been a few changes that may affect the comparability of asset values across waves. We discuss the most important changes here.

Notable Differences between Waves HRS 1992 (Wave 1) and HRS 1994 (Wave2)

Net value of vehicles: Wave 1 includes a measure of the value of a recreational vehicle or motor home in the Housing Section and a measure of the value of other vehicles in the Asset Section. We separately impute these values and sum them. Starting in Wave 2, the two components are incorporated into one measure of the net value of vehicles in the Asset Section.

Notable Differences between HRS 1994 (Wave 2) and HRS 1996 (Wave 3)

Asset income: In Waves 1 and 2, asset ownership and value are asked in the Asset Section, whereas income from assets is asked separately in the Income Section. Starting in Wave 3, income from asset questions were incorporated in the Asset Section. For example, if the Respondent indicated owning stocks, the interviewer followed up with a question about dividends. This increased the response rate for asset income. Assuming that this increases the quality of responses, it also improves the accuracy of our asset imputations, because asset income is an explanatory covariate of our wealth imputation model.

Net value of IRA/Keogh accounts: In Waves 1 and 2, Respondents were asked to report the total value of all Individual Retirement Account (IRA) and KEOGH accounts. Starting in Wave 3, separate questions were asked about the largest, second largest, and all other accounts.

Notable Differences between HRS and AHEAD (Waves 2 & 3)

HRS 1994 and AHEAD 1993 (Wave 2)

AHEAD 1993 has a very different structure than HRS 1994. With the exception of Social Security benefits, SSI and food stamps, Respondents are expected to specify the types of income received. For example, they are asked if they have "any regular income," and if so, they are asked to identify the source. So there are no specific questions such as "Do you receive any income from pensions?" However, they can describe up to 4 regular incomes per partner, and up to 3 household investment incomes. The result is many separate components for those combined in other waves, such as stock income and veterans' benefits. Specific question wording differences are described in the "Cross-Wave Differences in Original HRS Data" subsections in the codebook.

HRS 1996 and AHEAD 1995 (Wave 3)

The structures of HRS 1996 and AHEAD 1995 are very similar. However, there are several notable differences. These are outlined under the "Cross-Wave Differences in Original HRS Data" subsections in the codebook.

Notable Differences between HRS 1998 (Wave 4), HRS 2000 (Wave 5) and HRS 2002 (Wave 6)

The structures of Waves 4, 5, and 6 are very similar. Any important differences are specified under "Cross-Wave Differences in Original HRS Data" subsections in the codebook.

Notable Differences between HRS 1998 (Wave 4) through HRS 2002 (Wave 6) and HRS 2004 (Wave 7) and later

The structures of questions from Wave 7 forward are very similar to those in Waves 4 to 6. However, Waves 7 and

later no longer ask for income from trusts and alimony specifically. One can assume that these types of income would now be reported with non-specific other income. We have looked at this for cases that previously did report alimony or trust income, and found that other income did not increase as one might expect.

Notable Differences between HRS 2000 (Wave 5) and HRS 2002 (Wave 6) and later

In Wave 5, Respondents who are 65 years of age or older and report not working for pay in the last calendar year skip the questions about income from unemployment and worker's compensation. Respondents who are younger than 65 years of age, on the other hand, are asked both sets of questions even if they are not working. From Wave 6 onward, the same pattern is true for Respondents who are 65 years of age or older. However, those who are younger than 65 years of age and report not working for pay in the last calendar year are asked the questions about income from unemployment but skip those related to worker's compensation.

Notable Differences between HRS 2006 (Wave 8) and HRS 2008 (Wave 9) and later

Business assets reported earlier in the interview: Beginning in Wave 6, after the value of business or farm assets is collected, a question (Q492) asks whether these assets were reported previously in the interview. Beginning in Wave 9, a follow-up question was added which asks Respondents to indicate what percentage was previously reported (Q523). For example, in Wave 9, about 30% of business owners indicate that they had reported their business wealth as either primary residence (which could be a farm or ranch), secondary residence, or other real estate earlier in the interview (Q492 = yes), and of these, most say that all of the business asset was previously reported (Q523 = 100%). These two variables are available in the RAND HRS Detailed Imputations File for the convenience of the analyst and can be used for adjusting total wealth to reflect the amount of wealth that is twice reported. We do not use these two variables in the imputations or derivations of any of the variations on total wealth.

Housing loan question wording: In the housing section, there is a series of questions about whether the Respondent has "...a mortgage, land contract, second mortgage, or any other loan that uses the property as collateral." In Wave 9, the qualifier "Do not include reverse mortgages" was added.

Notable Differences between HRS 2008 (Wave 9) and HRS 2010 (Wave 10) and later

Food stamps: The questions asking about number of months receiving food stamps changed in Wave 10. Specifically, questions are only asked for up to four "eligible years." Those are the years spanning the range of a Respondent's current interview and previous interview (or the previous wave year if Respondent was not interviewed). For example, a person interviewed in 2008 and 2011 is asked questions about food stamp receipt in 2008, 2009, 2010, and 2011. Prior to Wave 10, Respondents can report on food stamp receipt for several years prior to the current interview year.

Income from annuities: Beginning in Wave 10, Respondents who report receiving income from annuities, but a value of "0" is indicated for the amount received last month (which indicates that payments have not started yet, or the Respondent did not receive a payment last month) are asked a new sequence of questions about any income they may have received from those annuities last year. Similar questions are asked of spouses/partners. No unfolding bracket questions are asked.

4. Pension Imputations: Account Balance for Defined Contribution Plan from Current Job

Where applicable, we impute missing values in the variables that record the account balance for defined contribution (DC) plans from the Respondent's current job (RwDCBAL1-RwDCBAL4). We used the following method across all waves: If a Respondent reports to be working for pay, having a Pension at their current job, and indicates the plan to be of Type B (Defined Contribution, or DC) or both (Combined Defined Contribution and Defined Benefit plan, or DB/DC), we use the reported pension account balance. Approximately a third of those who report having a DC or combo DB/DC pension plan from their current job do not report the amount; for those cases, we impute an amount using bracketed responses. With a few exceptions listed below, the imputation algorithm for imputing complete brackets and amounts for account balances for DC plans from the current job is the same as the algorithm used for imputing complete brackets and the amounts for income and wealth variables; it is described in detail in Section 3.

Unlike the income and wealth imputation process, we currently do not impute "ownership" for pension account balances. For Respondents who do not know if they have a pension plan from their current job or who do not know what type of account it is, the associated missing values are not imputed.

The covariates used for imputing DC account balances differ slightly from the covariates used in the income and wealth imputation process. The imputation model predictors for DC pension amount are age, age-squared, education, subjective health status, gender, marital status, race, cognition, work and disability status, job tenure, income, defined benefit contributions, employer contributions to defined benefit plans, and an indicator for DB/DC combo plans. These last covariates (job tenure, income, defined benefit contributions, employer contributions to defined benefit plans, and the indicator for DB/DC combo plans) are unique to the pension imputation process. As expected, job tenure is highly correlated with DC pension account balances from the current job.

Finally, questions on pension account balances from the current job were not asked in Wave 2A (1993). Therefore, DC account balances are not provided or imputed for the AHEAD cohort in Wave 2.

5. Poverty Threshold Definitions and HRS Measures

The RAND HRS Longitudinal File includes several measures of poverty for all waves. We use the poverty threshold levels from the U.S. Census Bureau[21] and family composition to determine the poverty threshold that applies to an HRS family. We then compare the HRS family income to the appropriate poverty threshold. The methods used by the U.S. Census Bureau to measure poverty are normally applied to CPS data to arrive at national poverty rates. The two key definitions for applying these methods to HRS families are income and family composition.

The family composition depends on the number of resident family members, the number of these less than 18 years old, and the age of the head of household in one or two-member households. People in the military or in institutions like nursing homes or prisons are not included when counting resident family members.

Income includes before-tax income from:

- earnings, unemployment benefits, workers' compensation
- SSI, public assistance, veterans' benefits
- Social Security (for Respondents who had Medicare Part B and/or Part D premiums deducted from Social Security payments, we add these premiums back in to obtain Social Security income before deductions)[22]
- pension and retirement income
- interest, dividends, rents, royalties, income from estates and trusts
- educational assistance
- alimony, child support
- assistance from outside the household
- other sources
- income of all resident family members

Income does not include:

- noncash benefits, e.g., food stamps
- capital gains and losses

We assume that educational assistance and other sources would have been reported as "other income" in the HRS, but it is likely that at least some assistance from outside the household may not be included in any of the HRS income categories.[23] The HRS total household income, e.g., as calculated in HwITOT on the RAND HRS Longitudinal File, less food stamps, and including Medicare Part B and/or Part D premiums deducted from Social Security, would seem to be close to the Census definition of income, with the exception of income from resident family members besides the Respondent and spouse. Note that RAND HRS total household income is for the last calendar year, e.g., 2001 for income reported at the 2002 interview

[21] The federal poverty guidelines, also known as the federal poverty line or federal poverty level (FPL) are related but slightly different from the poverty thresholds as provided here. The thresholds are defined by the U.S. Census Bureau. They are intended for statistical purposes. The guidelines are derived from these by the U.S. Department of Health and Human Services. They are used to determine eligibility for federal programs such as Medicaid. See, for example, https://aspe.hhs.gov/topics/poverty-economic-mobility/poverty-guidelines/frequently-asked-questions-related-poverty-guidelines-poverty and https://www.healthcare.gov/glossary/federa l-poverty-level-fpl/ for more information.

[22] For historical information regarding Medicare Part B premiums, see https://fas.org/sgp/crs/misc/R40082.pdf. According to Medicare rules, Medicare Part B premiums depend on modified adjusted gross income (MAGI). The HRS survey instrument elicits income before taxes and deductions. As an approximation, we use HwITOT minus food stamps. For details about how we process Medicare Part B and Part D premiums, please see the "Poverty Threshold" section later in this document, as well as "Section C: Medicare Part B and Part D Premiums" in Appendix A.

[23] The HRS question wording for "other income" specifically excludes income from family and friends. The Census definition of assistance from outside the household indicates that this includes "periodic payments people receive from non-household members. This type of assistance excludes gifts or sporadic assistance." HRS questions on income transfers from children do not specify whether the amounts are periodic or sporadic, so we have decided not to include these in the income used to determine the poverty threshold.

and 2003 for income reported at the 2004 interview.

Questions ask about the income of resident family members, including the earnings of each and total non-job income of them all. With these questions, we can estimate income of all resident family members, which is not included in HwITOT.

5.1. Method

We construct a poverty status variable to be consistent with that produced using the Census definitions, within the limitations of the HRS data, as follows:

1. Make household resident observations from the work and earnings questions, identified by sub-household ID and OPN.[24]
2. Merge with the household member/child roster.[25]
3. Keep people who are resident and related to the Family Respondent (FamR) or spouse. This includes current relations (codes=3-19, 28, 33, 35, 36, 90, 91) who have a status code indicating residency (=1) or temporarily away (=2 or 3).[26] Please see "Summary of Data Issues" later in this section for a discussion of residents who are away, and income year versus residence year.
4. Impute non-core household member income, including earnings and non-job income. The method used for these imputations is described below ("Imputing Household Member Income").
5. Count number of residents and residents under 18[27] by sub-household.
6. Merge with core data, including imputed income, whether a couple, and age(s) of Respondents.
7. Adjust the number of household members by the number of core HRS members in the family (one or two).
8. Assign family to a Census category to retrieve the appropriate poverty threshold. Use age of the only, or male, non-institutionalized HRS Respondent to determine if head is 65 or older in one- or two-person households.[28] The family category is provided on the file, as is the corresponding poverty threshold.
9. Adjust family income. The adjusted family income is provided on the file.
   (a) Starting with HwITOT, subtract food stamps, and add Medicare Part B and/or Part D premiums for cases where these had been deducted from reported Social Security payments.
   (b) Add in earnings for all non-core residents.
   (c) Add in total non-job income for non-core family residents.

[24] In Waves 2A and 3A, and in Waves 3H to 5, earnings information for household members and their spouses are captured on the same record (i.e., if a household member has a spouse, the spouse is not assigned their own OPN). Therefore, we perform an intermediate step prior to imputation to create separate records for spouses and assign key demographic information about them where possible.

[25] There are some household residents from the income section who do not appear on the roster. Since we cannot determine the relationship for these people, we drop their income and do not count them as resident family members.

[26] We assume the household member is non-resident if the status code is missing, and non-family if the relationship code is missing. Additionally, the relationship codes listed here are for Wave 6 forward. Prior to Wave 6, there are significantly fewer codes, with the exception of Waves 1 and 2H, which have detailed codes for both relatives and non-relatives. We map these codes to those used in Wave 6 forward prior to imputation.

[27] If the birth year of a resident family member is missing we use logical imputation to determine whether s/he is 18 or older. For example, among those not missing birth year in Wave 6, those working or married are 18 or older 94% and 98% of the time, respectively. So those who are working, married, with a move date 18 years prior to the interview, or with a relationship of sibling or parent are assumed to be 18 or older. Grandchildren who are not working or married are assumed to be under 18. For the remaining cases still missing, we used the skip pattern for the work question, which was not asked for those under 16 years old. We assumed that those missing whether worked are under 16, and hence, under 18. Please note that in Waves 1 and 2, the earnings questions are not asked for those under 15 years old.

[28] We ran a version using age of the Financial Respondent instead. This did not make a difference in poverty status, but does have some impact on the family category. It is also possible that one of the non-core family residents would be considered "head" by the CPS.

10. Compare family income[29] to poverty threshold for the family to determine:
    (a) Whether below the poverty level (0=No and 1=Yes)
    (b) Ratio of family income to poverty threshold

    Both of these measures are provided on the file.

5.2. Summary of Data Issues

Income year versus residence year: Income measures are from the last calendar year, e.g., 2001, but family composition is from the interview year, e.g., 2002. At this time, we use the family composition as is reported in the household roster at the time of the interview but use last calendar year as the reference year for income, poverty thresholds, and ages of household members.

Income for unmarried partners: To be more in line with the CPS definition of the poverty measurement resource unit, we treat partnered Respondents as single, and thus consider only their individual income when creating our various poverty threshold measures. For simplicity, we allocate half the income from other household members to the "family" of each partner.

Residents who are away and HRS core members living in a nursing home: The CPS definition does not include family members who are in the military or living in institutions like nursing homes or prisons, but it does include family members who are temporarily away for various reasons, such as as school, jail, rehab, or travel. We do not count core HRS Respondents who live in a nursing home at the time of the interview, and we further adjust total household income by subtracting their individual income. For core Respondents who are in a nursing home, all of the poverty measures are set to a SAS special missing value (.I, for intitutionalized).

From Wave 3 forward, information regarding nursing home residence is much more reliable. Users are therefore encouraged to consider this when determining their research objectives.

5.3. Variables Included on the RAND HRS Longitudinal File

The variables in the table below are constructed at the household level and merged back to HRS Respondents:

Description	Variables Included on the RAND HRS Longitudinal File
Whether family income is below the poverty threshold	HwINPOV, HwINPOVD
Ratio of family income to poverty threshold	HwINPOVR, HwINPOVRD
Poverty threshold for the family in prior year (i.e., 2001 for Wave 6 and 2003 for Wave 7)	HwPOVTHR
Family composition used to determine poverty threshold	HwPOVFAM
Adjusted family income compared to the poverty threshold[30]	HwPOVHHI, HwPOVHHID

[29] The HRS data collection field period tends to extend into the next calendar year. For example, a few hundred Wave 6 interviews were actually conducted in 2003 and thus reported 2002 income when asked about income received "last calendar year." For these cases we use the CPI to adjust income amounts to the previous calendar year's (2001) dollars, as appropriate, before comparing their income to the same poverty threshold that is used for all other cases interviewed in 2002.

[30] These variables reflect the CPI adjustment as described in the previous footnote.

We also include HwNHMLIV, which summarizes the nursing home residence of the core HRS Respondents[31]:

0 = none reside in a nursing home
1 = one of a couple resides in a nursing home
2 = both in a couple reside in a nursing home
3 = the household is a single-Respondent who resides in a nursing home

For cases with codes of 2 or 3, the measures are set to a SAS special missing value (.I, for institutionalized). For cases with a code of 1, the measures are set to .I only for the Respondent who resides in the nursing home.

5.4. Imputing Household Member Income

We impute earnings and non-job income for non-core resident household members who are related to one of the HRS Respondents. We use the same methods as those used to impute the income and wealth measures described elsewhere in this document.

Earnings are imputed if missing for resident household members at least 16 years old and related to one of the HRS Respondents in the household. Imputations are done at the household member level, separately for single and couple HRS households.[32]

If the family member is under 16 or not working, we assume no earnings if missing. For the remainder, ownership is determined by whether the family member is working. If whether working is missing we impute ownership. We then impute complete brackets for cases with missing or incomplete brackets, and finally, we impute earnings.

Total non-job income of resident family members is imputed if missing for all households with any resident family members, including those temporarily away, regardless of whether in an institution or not. One value is reported or imputed for each household with resident family members. Thus these imputations are done at the household level.

Among the continuous values reported, about 60% report a zero for this type of income in Wave 6. We assume no ownership if zeros are reported, and ownership if a positive value is given or if any bracket information indicating a range (complete or incomplete) is provided. If the value is missing and no unfolding bracket questions are answered, we impute ownership. We then impute complete brackets for cases with missing or incomplete brackets that have, or have been imputed to have, this type of income. Based on these complete brackets, a continuous value is imputed.

The covariates used for these imputations include HRS core measures: transformed versions of total household income (HwITOT) and total household assets (HwATOTA), age(s), health, education, race, and work status of HRS core Respondents. Other covariates include the number of resident family members under and over 18 years old and their mean age. In the earnings imputations, additional covariates reflecting the household member's age, sex, marital status, and relationship are also included.

6. Social Security and SSI Disability Episodes

The HRS collects information on whether Respondents have applied for and received benefits from various disability programs, including Social Security disability insurance (SSDI), Supplemental Security Income (SSI), Veterans' benefits, and workers' compensation. We have developed a set of variables that represent multiple episodes of application and receipt of SSDI and SSI over the panel.

[31] We use the RAND HRS variables RwNHMLIV and SwNHMLIV to derive HwNHMLIV. In Waves 1 and 2A, there are no Respondents living in a nursing home, so HwNHMLIV = 0 for all Respondents in these waves.

[32] HRS income tends to be lower, and household member income higher, in single compared to couple households. This may indicate that HRS singles with other household residents are parents moving in with their children, whereas HRS couples are taking in adult children.

SSDI is available only if the Respondent has contributed long enough to be eligible. SSI can be awarded on the basis of income without the same contribution requirements as SSDI eligibility. A disabled person may receive benefits from both SSDI and SSI. The typical process begins with an application to the disability program. If denied benefits, one can then appeal the decision or re-apply. Benefits may be awarded either after the original application or re-application or the application may be rejected. Finally, benefits may stop, or in the case of SSDI, transition to SS retirement benefits or SSI old-age benefits when the Respondent reaches the full retirement age.

Each application process is considered an episode in developing these variables from the information provided by HRS. The HRS collects information on the steps outlined above and on when each step is initiated and when the benefits stop. An episode may begin in one wave and be continued over several subsequent waves, for as long as the Respondent receives benefits. Our derived variable, RADNEPI, indicates the number of episodes a Respondent has reported. Additional documentation on these variables is described in more detail in the Social Security section.

Note that we observe the application process only at interviews. It is possible that what we see is incomplete because the interview questions do not capture all of the details. For example, if a person reports receiving benefits at one wave, and still receives them at the next, we assume the benefits arise from the same application, and in some cases, the same program. But it is possible that the benefits being received are from a different one. There are questions about new applications since the last interview, even if a Respondent reports still receiving benefits from a prior wave, but we do not attempt to untangle whether a new application is related to the benefits reported as continuous. We assume it is different and begin another episode.

These variables are developed using information found in the Disability section of the HRS. Some cases have at least one illogical sequence of dates (e.g., date of benefit receipt is before application date). There is additional information in the Assets and Income section regarding SSDI and SSI that could be used to further inform these data, but we do not consider it in this version. Specifically, we have noticed that if a Respondent reports receiving SSDI in the Disability section, they sometimes do not report receiving SSDI in the Assets and Income section and vice versa.

6.1. Program Type

The HRS questions about SSDI and SSI combine the two programs in interviews before 2000. Beginning in 2000, the questions ask about these programs separately. If a person is receiving benefits at their previous interview, s/he is asked in 2000 which program provides them. If the Respondent reports receiving from only one program, the active episode is assigned a type of either SSDI or SSI as appropriate. If a person reports receiving benefits from both programs, we duplicate the active episode and assign one as SSDI and one as SSI, before updating with information from 2000. Information about any new applications is collected separately and each new application begins a separate episode.

If a person was receiving benefits in 2000, then s/he is again asked which program provides them. If the same program type is reported at both interviews, we update the appropriate episode accordingly. If a person receives benefits from both programs in 2000 and 2002, the two active episodes are updated separately. Sometimes a Respondent appears to change programs from 2000 to 2002, e.g., s/he reports receiving benefits from SSI in 2000 but from SSDI in 2002 without a new application. In this scenario, the benefit reported in 2002 is treated as a continuation of the benefit initially reported in 2000, and the type of program is flagged as ambiguous. If a person reports receiving benefits from both programs in 2000 but only one in 2002, we end the episode for the program that is omitted. If a person reports receiving from only one program in 2000 but from both programs in 2002, we duplicate the active 2000 episode and update both with 2002 information. Similar methods are applied to episodes continued across waves in later waves as well, e.g., in 2004 for episodes continued from 2002.

6.2. Episode Status

The normal sequence of steps entails application, and if denied, possibly re-application or appeal, award and receipt of benefits, the end of benefits, application rejected, and benefits not awarded. The most common states of an episode at the end of an interview are receiving, stopped receiving benefits, and not awarded, in that order. A status of applied or appealed/re-applied indicates that a Respondent is last observed with a pending application for the episode. An episode with a status of applied, appealed/re-applied, receiving, or not awarded is considered active, and may be updated with information from subsequent interviews.

A status of not awarded does not necessarily mean the application has been rejected, especially in earlier waves. The specific language of a rejected application is introduced for new applications in 1998. Indeed, some Respondents report that benefits were not awarded in one interview, but then say they are still receiving benefits at the next interview and indicate a receive date between interviews. Prior to 1998, it appears that most Respondents reporting any disability activity at the previous interview are asked if they are still receiving benefits even if they never reported being awarded benefits.

If an initial application for benefits is reported in a wave, then we will track information reported in subsequent waves to determine the outcome of the initial application. Here are some examples of our logic: (1) If a Respondent denies receiving benefits and the status at the previous interview indicates the Respondent had not reported receiving benefits, then we code the initial application as rejected. (2) Similarly, if the Respondent reports s/he is not still receiving benefits and s/he had not previously reported being awarded benefits, we code the application as rejected. In this case, there is a possibility benefits were received for a short time. (3) If a Respondent denies receiving benefits and previously reported that benefits had stopped, the denial confirms the prior wave report. (4) If a Respondent has never reported receiving benefits and reports s/he stopped receiving benefits in one wave and then denies receiving benefits in a subsequent wave, we code the application as rejected–i.e., that benefits were never received.

In some cases an episode is unresolved, i.e., there is an active episode, but the thread is dropped. That is, either no information is given about whether a Respondent is still receiving benefits and a new application is begun, or a Respondent indicates having active episodes for both programs but at the next wave indicates only one. These episodes are given an illogical ending status that indicates what the status was when the thread was dropped.

In some cases it is possible that the appropriate follow-up questions at the next interview are not asked and the episode is thus left somewhat in limbo. These episodes may appear to be still active since no further activity is observed.

6.3. Episode Dates

Dates of application, re-application or appeal, and benefit receipt start and stop are collected for each episode. They appear in the raw data as month and year. If the date is missing, we attempt to provide an estimated date. The process of estimating a date entails identifying the upper and lower bounds within which the date may fall. For instance, the upper bound for when the Respondent started receiving benefits would be set based on a stop date if it is known, or the current interview date if a stop date is unknown, and a lower bound would be based on the application or appeal date. Lower and upper bounds for each applicable step are determined. The lower bounds for applications, particularly the first, look at dates of disability, including when the disability began to interfere with work, when a Respondent reports a disabled employment status, and the last month worked. To be used, a date must come before any determined upper bound. If none of these dates is available and before the upper bound, we use a lower bound set to age 18, or, if this does not fit, we use the Respondent's birth date. The estimated date is set to the midpoint between the lower and upper bounds.[33]

Estimated dates are adjusted to ensure that they occur in the expected order, e.g., applications occur before appeals

[33] The RAND HRS Longitudinal File does not include the lower and upper bound dates used to derive the estimated date. Please contact us at randhrshelp@rand.org if you would find these dates useful; we can provide them in a separate file.

and receipt of benefits occurs before they stop. If the originally given month and year, or just year is valid, we do not adjust outside the given information. In some cases the dates will seem illogical, because that is the way they were reported.

6.4. Variables

The disability variables we have developed include the dates of application, re-application or appeal, start of benefits, and when benefits stop. Each application begins a new episode, with its own set of dates and its own status. For each episode date, we provide the month and year as presented in the data, recoded for missing values, and a "best-guess" date which is stored as a SAS date. From the month and year, the analyst can tell how much information was originally provided. The specific variables are listed in Table 7.

The variables begin with "RA" because they are not wave-specific. If they are specific to a particular episode they end with a number, indicating the sequence of the episode. The second to last character of the date variables is "M" for month, "Y" for year, and "D" for SAS date.

We continue to include the disability variables previously provided in the RAND HRS Longitudinal File; these indicate if any of the steps, except stopping benefits, has ever been reported, and if so the earliest date. From Wave 5 forward, a variable with the amount being received has also been added. Amount received is not available before Wave 5.

Table 7. Disability Episode Variables

Measure	Description	Variables
Number of episodes	Count, at most 11 as of Wave 16	RADNEPI
Application date	Month	RADAPPM1 to RADAPPM11
	Year	RADAPPY1 to RADAPPY11
	"Best-guess" SAS date	RADAPPD1 to RADAPPD11
Appeal or Reapply date	Month	RADREAM1 to RADREAM11
	Year	RADREAY1 to RADREAY11
	"Best-guess" SAS date	RADREAD1 to RADREAD11
Receive date	Month	RADRECM1 to RADRECM11
	Year	RADRECY1 to RADRECY11
	"Best-guess" SAS date	RADRECD1 to RADRECD11
Stop date	Month	RADENDM1 to RADENDM11
	Year	RADENDY1 to RADENDY11
	"Best-guess" SAS date	RADENDD1 to RADENDD11
Type	1=SSDI 2=SSI 3=DK which 4=SSDI/SSI at different waves	RADTYPE1 to RADTYPE11
Current Status	Indicates if applied, receiving, stopped receiving, or illogical ends	RADSTAT1 to RADSTAT11

7. Structure of Codebook

The Appendix contains the codebook documenting all variables in the RAND HRS Longitudinal File. This section explains how to interpret the codebook entries. The figure below shows a typical codebook page; the numbers in circles correspond to comments below.

Current Marital Status: Current Partnership Status (1)

Wave	Variable Name	Variable Label	Type
1	R1MPART	R1MPART:W1 R partnered	Categ
2	R2MPART	R2MPART:W2 R partnered	Categ
3	R3MPART	R3MPART:W3 R partnered	Categ
4	R4MPART	R4MPART:W4 R partnered	Categ
5	R5MPART	R5MPART:W5 R partnered	Categ
6	R6MPART	R6MPART:W6 R partnered	Categ
7	R7MPART	R7MPART:W7 R partnered	Categ
8	R8MPART	R8MPART:W8 R partnered	Categ
9	R9MPART	R9MPART:W9 R partnered	Categ
10	R10MPART	R10MPART:W10 R partnered	Categ
11	R11MPART	R11MPART:W11 R partnered	Categ
12	R12MPART	R12MPART:W12 R partnered	Categ
13	R13MPART	R13MPART:W13 R partnered	Categ
14	R14MPART	R14MPART:W14 R partnered	Categ
15	R15MPART	R15MPART:W15 R partnered	Categ
16	R16MPART	R16MPART:W16 R partnered	Categ
1	S1MPART	S1MPART:W1 S partnered	Categ
2	S2MPART	S2MPART:W2 S partnered	Categ
3	S3MPART	S3MPART:W3 S partnered	Categ
4	S4MPART	S4MPART:W4 S partnered	Categ
5	S5MPART	S5MPART:W5 S partnered	Categ
6	S6MPART	S6MPART:W6 S partnered	Categ
7	S7MPART	S7MPART:W7 S partnered	Categ
8	S8MPART	S8MPART:W8 S partnered	Categ
9	S9MPART	S9MPART:W9 S partnered	Categ
10	S10MPART	S10MPART:W10 S partnered	Categ
11	S11MPART	S11MPART:W11 S partnered	Categ
12	S12MPART	S12MPART:W12 S partnered	Categ
13	S13MPART	S13MPART:W13 S partnered	Categ
14	S14MPART	S14MPART:W14 S partnered	Categ
15	S15MPART	S15MPART:W15 S partnered	Categ
16	S16MPART	S16MPART:W16 S partnered	Categ
E	REMPART	REMPART:EXIT R Partnered	Categ

(2) (3) (4)

(5) **Descriptive Statistics**

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1MPART	12652	0.03	0.17	0.0	1.0
R2MPART	19642	0.02	0.14	0.0	1.0
R3MPART	17991	0.02	0.15	0.0	1.0
R4MPART	21384	0.03	0.16	0.0	1.0
R5MPART	19578	0.03	0.16	0.0	1.0
R6MPART	18165	0.02	0.16	0.0	1.0
R7MPART	20129	0.03	0.18	0.0	1.0
R8MPART	18469	0.03	0.18	0.0	1.0
R9MPART	17217	0.03	0.18	0.0	1.0
R10MPART	22034	0.05	0.22	0.0	1.0
R11MPART	20554	0.05	0.23	0.0	1.0
R12MPART	18747	0.05	0.22	0.0	1.0
R13MPART	20912	0.06	0.24	0.0	1.0

R14MPART	17146	0.06	0.24	0.0	1.0
R15MPART	15723	0.06	0.24	0.0	1.0
R16MPART	15787	0.06	0.24	0.0	1.0
S1MPART	9900	0.04	0.19	0.0	1.0
S2MPART	13090	0.03	0.17	0.0	1.0
S3MPART	11917	0.03	0.16	0.0	1.0
S4MPART	13980	0.03	0.18	0.0	1.0
S5MPART	12730	0.04	0.19	0.0	1.0
S6MPART	11639	0.03	0.18	0.0	1.0
S7MPART	12972	0.04	0.21	0.0	1.0
S8MPART	11735	0.05	0.21	0.0	1.0
S9MPART	10646	0.05	0.22	0.0	1.0
S10MPART	13513	0.08	0.27	0.0	1.0
S11MPART	12484	0.08	0.27	0.0	1.0
S12MPART	11012	0.08	0.27	0.0	1.0
S13MPART	11779	0.09	0.29	0.0	1.0
S14MPART	9358	0.09	0.29	0.0	1.0
S15MPART	8477	0.09	0.29	0.0	1.0
S16MPART	7840	0.10	0.29	0.0	1.0
REMPART	17712	0.03	0.16	0.0	1.0

6 Categorical Variable Codes

RwMPART: R partnered

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	12267	19232	17604	20832	19058	17715	19479	17851	16619	20865
1.Yes	385	410	387	552	520	450	650	618	598	1169

Value	w11	w12	w13	w14	w15	w16
0.No	19437	17747	19595	16096	14763	14796
1.Yes	1117	1000	1317	1050	960	991

SwMPART: S partnered

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	9534	12723	11609	13498	12265	11234	12391	11182	10122	12479
1.Yes	366	367	308	482	465	405	581	553	524	1034

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	597	610	1109	1104	1044	1400
0.No	11496	10127	10682	8509	7710	7086
1.Yes	988	885	1097	849	767	754

REMPART: EXIT R Partnered

Value	
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0. No	17258
1. Yes	454

7 How Constructed

Core Interview Variables

Marital status RwMSTAT indicates partnership; that is, living with a partner who is not the Respondent's spouse. In addition, some cases report an unmarried status, but have a partner in the same household. Another living individual with the same HHID and sub-household ID on the Tracker file, or in the Core data, indicates the presence of a partner when the Respondent gives an unmarried status. From Wave 4 forward, the "coupleness" code in the cover sheet section can also indicate a partnership. RwMPART indicates the presence of a partner regardless of the RwMSTAT code.

The spouse variable SwMPART is taken from the spouse's data for Wave 'w.' In some cases, the spouse and Respondent disagree as to whether they are married or partnered, so RwMPART and SwMPART are not always the same in a given wave. SwMPART is set to .U if the Respondent is unmarried and unpartnered or .V if the Respondent's spouse or partner did not respond in a given wave.

Exit Interview Variables

REMPART is a yes/no marital status indicator of whether the Respondent was partnered at the time of death. We define partnered as living with a partner who is not the Respondent's spouse. From Wave 4 forward, a separate cover sheet code indicates partnership.

Core and Exit Differences

Partnership is indicated by a marital status code in Waves 2H and 3 of the Exit Interviews. From Exit Interview Wave 4 forward, REMPART utilizes separate cover sheet data to code partnership.

Partnership can be indicated by another living individual with the same HHID and sub-household ID on the HRS Tracker file or if the HRS Core data indicates the presence of a partner when Respondent gives an unmarried status.

8 Cross Wave Differences in Original HRS Data

Core Interview Variables

Partnership is indicated by a marital status code in Waves 1 to 3H. From Wave 4 forward, it is indicated by a separate cover sheet section variable.

Partnership can also be indicated by a non-married status when the household is a couple, rather than single in any wave.

Exit Interview Variables

In Waves 2H and 3, partnership is indicated by a marital status code in the Exit Interviews. From Wave 4 forward, REMPART utilizes separate cover sheet data.

9 HRS Variables Used

Core Interview Variables

```
HRS 1992:
    V10225          A10:CURRENT MAR STAT:IND
    V225            A10:CURRENT MARR STA:IMP
AHEAD 1993:
    B150            A11. R'S MARITAL STATUS
HRS 1994:
    W200            A1. Marital Status
AHEAD 1995:
    DMSTATR         HRS 95: Marital Status (w/ partnered)
HRS 1996:
    E256A           MARRIAGE STATUS - CORRECTED
HRS 1998:
    F1071           A43A.MARITAL STATUS, ASSIGNED
    F546            CS15D.CURRENT COUPLENESS
    FMARSTP         HRS 98: Marital Status (w/ partnered)
HRS 2000:
    G1158           A43A.MARITAL STATUS_ASSIGNED
    G597            CS15D.CURRENT COUPLENESS
    GMARSTP         HRS 00: Marital Status (w/ partnered)
HRS 2002:
    HMARITAL        MARITAL STATUS
HRS 2002-2022:
    xPN_SP          2002 SPOUSE/PARTNER PERSON NUMBER
    xSUBHH          2002 SUB-HOUSEHOLD IDENTIFIER
    xX065_R         COUPLENESS STATUS - UPDATED
```

Exit Interview Variables

```
AHEAD 1995:
    N204            PRELOAD MAR STAT
    N245            CS8x.W1 COUPLE PARTNER
    N248            CS10x.W1 ONLY NEW PARTNER
    N250            CS12.COUPLE LIVE TOGETHER
    N674            A21.R MARITAL STATUS
HRS 1996:
    P204            PRELOAD MAR STAT
    P245            CS8x.W1 COUPLE PARTNER
    P248            CS10x.W1 ONLY NEW PARTNER
    P250            CS12.COUPLE LIVE TOGETHER
    P692            A21.R MARITAL
HRS 1998:
    Q1071           A43a.MARITAL STATUS, ASSIGNED
    Q506            CS5x.PRELOAD SPOUSE/P ALIVE
    Q509            CS7x.1ST R MARRIED
    Q510            CS8x.COUPLE PARTNER
    Q523            CS12.COUPLE LIVE TOGETHER
    Q530            CS15A.MARRIED OR SEPARATED
    Q531            CS15B.SEPARATED:PARTNERED?
    Q548            CS15D.CURRENT COUPLENESS
HRS 2000:
    R1134           A43a.MARITAL STATUS ASSIGNED
    R483            CS0Y9a.PRELOAD MARITAL STATUS
    R545            CS5x.PRELOAD SPOUSE/P ALIVE
    R548            CS7x.1ST R MARRIED
    R549            CS8x.COUPLE PARTNER
    R562            CS12.COUPLE LIVE TOGETHER
    R569            CS15A.MARRIED OR SEPARATED
    R570            CS15B.SEPARATED:PARTNERED?
    R597            CS15D.CURRENT COUPLENESS
HRS 2002:
    SA020           1ST R SAME SP/P
    SA023           PREVIOUS WAVE SP/P ALIVE
    SA026           R MARRIED
    SA034           MARRIED OR SEPARATED
    SA038           CURRENT COUPLENESS
HRS 2002-2022:
    xA030           COUPLE LIVE TOGETHER
    xB061           MARITAL STATUS IF UNMARRIED
    xX065_R         COUPLENESS STATUS R - UPDATED
HRS 2004-2022:
    xA027           LIVING W/P
    xB063           MARITAL STATUS ASSIGNED
```

Tracker Variables

```
Tracker:
    HHID                HOUSEHOLD IDENTIFIER
    xALIVE              1994-2022 VITAL STATUS
    xPPN                1992-2022 SPOUSE-PARTNER PERSON NUMBER
    xSUBHH              1992-2022 SUB-HOUSEHOLD IDENTIFIER
```

1 *Title*: The variables are documented in groups according to the concept that they measure. For example, there are three sets of variables related to current partnership status: Respondent-level Core data; Spouse-level Core data; and

Respondent-level Exit data. The title is often followed by a short description of the concept that is captured.

2 *Variable Names*: This entry shows the names of variables in the group. Not all variables are present in all waves.

3 *Variable Labels*: This entry shows the SAS/Stata variable labels. As discussed above, the labels typically include the name of the variable, the wave in which it is present, and a description of its contents.

4 *Variable Type*: This entry indicates the type of variable. It may be continuous (Cont), categorical (Categ), or character (Char).

5 *Descriptive Statistics*: This entry shows descriptive statistics on each variable. They include the number of nonmissing values, the mean, standard deviation, minimum value, and maximum value.

6 *Categorical Variable Codes*: This entry shows the value label codes for categorical variables. The first character(s) of the value labels indicate the value to which each label has been assigned. For example, value "1" is mapped into "1.Yes" (not just "Yes"). The entry also indicates which labels are assigned to which variables, and shows frequency tabulations for all categorical variables.

7 *How Constructed*: This entry provides background on the manner in which variables were constructed. This is broken into subsections for Core Interview Variables and Exit Interview Variables. If there are differences between Core and Exit variables, there is an additional subsection that highlights these differences.

8 *Cross Wave Differences in Original HRS Data*: This entry briefly describes differences in question wording or contents between interview waves. This is broken into subsections for Core Interview Variables and Exit Interview Variables.

9 *HRS Variables Used*: This entry provides the names and labels of raw HRS variables that were used to construct the new variables. This is broken into subsections for Core Interview Variables and Exit Interview Variables. We have streamlined the manner in which the raw HRS variables appear in this section. Specifically, in cases where the variable suffix is the same across waves, we list that variable only once, and preface it with an "x". The table below shows the variable prefixes for each year.

Wave	Year	Core Data Prefix(x)	Exit Data Prefix(x)
1	1992	V	-
2	1993	V (B in RAND HRS Fat File)	-
2	1994	W	W
3	1995	D	N
3	1996	E	P
4	1998	F	Q
5	2000	G	R
6	2002	H	S
7	2004	J	T
8	2006	K	U
9	2008	L	V
10	2010	M	W
11	2012	N	X
12	2014	O	Y
13	2016	P	Z
14	2018	Q	XQ
15	2020	R	XR
16	2022	S	XS

8. Distribution and Technical Notes

The RAND HRS Longitudinal File is distributed with the following:

- Documentation: an electronic version of this documentation.
- SAS files: all waves of data in SAS format, compatible with Version 8 or later
- Stata files: all waves of data in Stata format, compatible with Version 11 SE or later
- SPSS files: all waves of data in SPSS for Windows format, compatible with Version 18 or later

This is Version 2 of the RAND HRS Longitudinal File 2022.

We suggest that you create a directory for these files and subdirectories for the pieces, for example:

`C:\randhrs\doc`	for this file
`C:\randhrs\sasdata`	for the SAS files
`C:\randhrs\stata`	for the Stata files
`C:\randhrs\spss`	for the SPSS files

8.1. Distribution files for Web Download

The files can be downloaded from the HRS web site (https://hrsdata.isr.umich.edu/data-products/rand), once you have registered to use HRS data. They are zipped for downloading; you must unzip them to make them usable. They are available for download as an entire package or documentation only. There are three different format packages: SAS, Stata 11 SE and SPSS 18 for Windows.

SAS and Stata formats differ in value labels and missing value codes. The SAS format is the most comprehensive. Stata allows value labels for integer values only, so no value labels are available for non-integer values. Beginning with Version 8, Stata supports multiple codes for missing values (.X, .S, .M, etc.). SPSS does not support multiple missing codes.

RAND HRS Data Distribution Files

Distribution file name	Included Files	Description
randhrs1992_2022v2_SAS.zip	randhrs1992_2022v2.pdf	Codebook
	randhrs1992_2022v2.sas7bdat	Dataset (SAS): All waves merged
	sasfmts.sas7bdat	Formats (SAS)
randhrs1992_2022v2_STATA.zip	randhrs1992_2022v2.pdf	Codebook
	randhrs1992_2022v2.dta	Dataset (Stata 11 SE): All waves merged
randhrs1992_2022v2_SPSS.zip	randhrs1992_2022v2.pdf	Codebook
	randhrs1992_2022v2.sav	Dataset (SPSS 18): All waves merged

8.2. The SAS Format Library

Many of the derived variables on this file have been assigned SAS formats, or value labels. There are also SAS formats that are used to look up values using the SAS PUT function in data steps. For instance, the format library includes yearly CPI-U values in this form.

We are no longer distributing SAS formats as a format catalog. Instead we are providing SAS code to allow the researcher to create their own formats catalog on any computing platform.

To create a formats catalog, assuming sasfmts.sas7bdat is in `C:\randhrs\sasdata`, simply run the following code:

```
libname library "C:\randhrs\sasdata";
proc format library=library cntlin=library.sasfmts;
run;
```

This SAS code will create a file called `C:\randhrs\sasdata\formats.sas7bcat`

The formats can be found in text format in one of the `Fmt\*`.fmt files and are all included in a SAS dataset (`sasfmts.sas7bdat`).

8.2.1. Using (or Not Using) the SAS formats

To use them from the SAS format library you must include a LIBNAME LIBRARY statement:

```
LIBNAME LIBRARY "&fmtlib";
```

Where `"&fmtlib"` is the name of the directory where the `formats.sas7bcat` file is stored. You can either put this statement in your SAS programs, e.g.:

```
LIBNAME LIBRARY "c:\randhrs\sasdata";
```

where the format file is `C:\randhrs\sasdata\formats.sas7bcat`, or use `"%include setuphrs.inc"` where you have set the macro variable `&fmtlib` to the name of the appropriate directory.

If you do not have the LIBNAME LIBRARY statement in your program, SAS usually gives you an error message and stops processing, unless you specify NOFMTERR on an OPTIONS statement.

If you prefer not to use the assigned SAS formats, you can use the following statement in SAS PROC steps or just after a SET or MERGE in a data step to unassign all formats:

```
FORMAT _ALL_ ;
```

You can then assign formats as you wish. The format assignments we assigned to variables can be found by running a PROC CONTENTS on the data files. They are also listed in `*.format` files located in subdirectories of the `Pgm\` directory. For example, the `SS\ss_p.format` file contains the SAS FORMAT statement that assigns Social Security variables to their formats.

8.2.2. Consumer Price Index (CPI-U)

These deflation factors are based on the Bureau of Labor Statistics' series of Consumer Price Index for All Urban Consumers (CPI-U), All Items. In this series, 1982-84 is normalized to 100. For details see http://www.bls.gov/cpi. The index is stored in a SAS format called CPI. To get the CPI-U for a year you can use the following in a SAS data step:

```
cpiu=put(ayear,CPI.);
```

Where "ayear" is the name of a variable containing the 4-digit year for which you want the CPI-U and "cpiu" is the name of the variable that will hold the index for that year. "CPI." is the name of the SAS format that has the indices for all available years. The CPI format is stored on the `sasfmts.sas7bdat` file provided with this dataset.

8.3. Using the Data with Other HRS Files

To use these data with other HRS files, including the RAND HRS Fat Files, you should be able to simply merge by HHIDPN. All RAND files are already sorted by this ID so should not need to be resorted. For instance to merge additional data from all waves of the RAND HRS Fat Files with RAND HRS Longitudinal File, you could use the following:

```
%include "[dir]\setuphrs.inc";
    libname mylib "[name of folder to store your files]";
data mylib.newfile;
  merge randhrs.randhrs1992_2022v2 (keep=HHIDPN [list of other variables])
    hrs.hd92f1b (keep=HHIDPN [list of raw core variables])
    hrs.ad93f2a (keep=HHIDPN [list of raw core variables])
    hrs.h94f1a  (keep=HHIDPN [list of raw core variables])
    hrs.ad95f2b (keep=HHIDPN [list of raw core variables])
    hrs.h96f4a  (keep=HHIDPN [list of raw core variables])
    hrs.hd98f2c (keep=HHIDPN [list of raw core variables])
    hrs.h00f1d  (keep=HHIDPN [list of raw core variables])
    hrs.h02f2c  (keep=HHIDPN [list of raw core variables])
    hrs.h04f1c  (keep=HHIDPN [list of raw core variables])
    hrs.h06f4b  (keep=HHIDPN [list of raw core variables])
    hrs.h08f3b  (keep=HHIDPN [list of raw core variables])
    hrs.hd10f6b (keep=HHIDPN [list of raw core variables])
    hrs.h12f3a  (keep=HHIDPN [list of raw core variables])
    hrs.h14f2b  (keep=HHIDPN [list of raw core variables])
    hrs.h16f2c  (keep=HHIDPN [list of raw core variables])
    hrs.h18f2c  (keep=HHIDPN [list of raw core variables])
    hrs.h20f1b  (keep=HHIDPN [list of raw core variables])
    hrs.h22f2a  (keep=HHIDPN [list of raw core variables]);

  by HHIDPN;
```

where `"[list of (other/raw core) variables]"` would be replaced by a list of the SAS variables you want to include. You can omit the KEEP option to include all the variables from a given dataset, but in this example the output file would be extremely large if you did so for all the files listed.

If you have HRS data files which use the character version of HHIDPN, the RAHHIDPN variable provides the 9-character equivalent of HHIDPN, filled with leading zeros, the format that corresponds to the concatenated HHID and PN character IDs provided in the raw HRS data. You may wish to rename HHIDPN to NHHIDPN and RAHHIDPN to HHIDPN or whatever variable name you have used on your other HRS data files. HHID and PN are also included as separate variables in the above files, and can be used to perform the merge as well.

Please visit our website for sample programs with SAS, Stata, and SPSS examples.

9. Data Codebook

Contents of Data Codebook

Section A: Demographics, Identifiers, and Weights **60**
Person Specific Identifier . . . 61
Household Identifier . . . 63
Spouse Identifier . . . 66
Overlap Identifier for cases that moved from HRS to AHEAD . . . 68
Wave Status: Response Indicator . . . 72
Wave Status: Interview Status . . . 74
Exit or Post-Exit Interview Administered . . . 78
Sample Cohort . . . 81
Whether Eligible for the HRS Sample . . . 84
Design Variables: Stratum and Sampling Error Computation Unit (SECU) . . . 87
Household Analysis Weight . . . 88
Person-Level Analysis Weight . . . 90
Number of Household Respondents . . . 95
Whether Couple Household . . . 96
Financial, Family Respondent . . . 98
Whether Proxy Interview . . . 105
Interview Dates . . . 109
Birth date: Month, Year, and SAS date . . . 124
Death date: Month, Year, and SAS date . . . 129
Age at interview, death (in months and years) . . . 136
Sex . . . 146
Race, Ethnicity: Race . . . 148
Race, Ethnicity: Whether Hispanic . . . 151
Census Region . . . 154
Urbanicity . . . 162
Education: Years of Education . . . 166
Education: Degrees, Diplomas . . . 169
Education: Categorical summary . . . 173
Parents' Education . . . 175
Current Marital Status: With partnership . . . 181
Current Marital Status: Current Partnership Status . . . 189
Current Marital Status: Without partnership . . . 194
Marital History . . . 204
Length of current and longest marriage . . . 219
Religion . . . 228
Veteran status . . . 231
Place of birth . . . 234
Parental mortality . . . 239

Section B: Health Status **250**
Self-report of health . . . 251
Self-report of health change . . . 255
Change in Health: Self-reported health . . . 261
Self-reported BMI, Height, Weight, Weight Change, and Highest Weight . . . 266
Falls and Injuries . . . 279
Persistent Health Problems . . . 291
Health behaviors: Physical Activity or Exercise . . . 309

Health behaviors: Preventive behaviors . . . 323
Health behaviors: Drinking . . . 336
Health behaviors: Smoking (Cigarettes) and Vaping . . . 347
Physical Measures: Blood Pressure . . . 365
Physical Measures: Breathing Test . . . 373
Physical Measures: Grip Strength . . . 379
Physical Measures: Balance Tests . . . 388
Physical Measures: Timed Walk . . . 400
Physical Measures: BMI, Height, Weight, Waist . . . 406

Section C: Medical Care Utilization and Expenditure **419**
Medical care utilization: Hospital . . . 420
Medical care utilization: Nursing Home . . . 428
Medical care utilization: Hospice . . . 443
Medical care utilization: Doctor . . . 446
Medical care utilization: Home Care . . . 453
Medical care utilization: Other Medical Care Utilization . . . 458
Medical expenditures: Out of Pocket and Total . . . 470

Section D: Doctor Diagnosed Health Problems **495**
Doctor diagnosed health problems: Raw Recodes and Question Wording . . . 496
Doctor diagnosed health problems: Ever Have Condition . . . 540
Doctor diagnosed health problems: Memory-related disease . . . 582
Doctor diagnosed health problems: Ever Have Condition (Two Consecutive Reports) . . . 604
Doctor diagnosed health problems: Ever Memory-related Disease (Two Consecutive Reports) . . . 622
Change in Health: Conditions . . . 628
Change in Health: Memory-related disease . . . 648

Section E: Health Conditions, Treatments, and Medication **653**
Diabetes: Treatment and disease progression . . . 654
Cancer: Treatment and disease progression . . . 663
Heart: Heart disease and treatment . . . 697
Sleep: Sleep trouble . . . 733
Sleep: Disorders and treatment . . . 741
Eyesight and Hearing . . . 764
Pain: Degree and Treatment . . . 781

Section F: Mental Health and Cognition **793**
Mental health (CESD score) . . . 794
Depression and Anhedonia: Depression and Anhedonia related symptoms . . . 820
Imputed Cognition: Number Series Score . . . 874
Imputed Cognition: Status and Flags . . . 876
Imputed Cognition: Self-reported Memory . . . 885
Imputed Cognition: Immediate Word Recall . . . 895
Imputed Cognition: Delayed Word Recall . . . 902
Imputed Cognition: Serial 7's . . . 909
Imputed Cognition: Backwards Counting . . . 916
Imputed Cognition: Date Naming . . . 929
Imputed Cognition: Object Naming . . . 956
Imputed Cognition: President/Vice-President Naming . . . 970
Imputed Cognition: Vocabulary . . . 984

Imputed Cognition: Summary Scores . . . 993
Proxy Rating of Respondent Memory . . . 1000
Cognitive Impairment . . . 1006

Section G: Functional Limitations and Helpers 1018
Whether health limits work . . . 1019
Bedridden Around Time of Death . . . 1023
Activities of daily living (ADLs): Skip Flag . . . 1025
Activities of daily living (ADLs): Raw recodes . . . 1028
Activities of daily living (ADLs): Time Helped Before Death . . . 1077
Activities of daily living (ADLs): Any difficulty . . . 1081
Activities of daily living (ADLs): Recodes for comparison to Wallace and Herzog . . . 1098
Instrumental activities of daily living (IADLs): Raw recodes . . . 1103
Instrumental Activities of daily living (IADLs): Time Helped Before Death . . . 1143
Instrumental activities of daily living (IADLs): Any difficulty . . . 1146
IADLs: Recodes for comparison to Wallace and Herzog . . . 1164
Other Functional Limitations: Raw recodes . . . 1168
Other Functional Limitations: Any difficulty . . . 1210
Other Functional Limitations: Recodes for comparison to Wallace and Herzog . . . 1238
ADL Summary: Sum of ADLs where Respondent reports any difficulty, gets help . . . 1247
IADL Summary: Sum of IADLs where Respondent reports any difficulty, gets help . . . 1254
Other Summary Indices: Mobility, Large Muscle, Gross Fine Motor Activities . . . 1258
Safety Supervision Prior to Death . . . 1264
ADLs, IADLs, and Finances: Total Number of Helpers . . . 1265
ADLs, IADLs, and Finances: Number of Paid and Unpaid Helpers . . . 1272
ADLs, IADLs, and Finances: Number of Family and Non-Family Helpers . . . 1280
ADLs, IADLs, and Finances: Total Amount of Help Received . . . 1288
ADLs, IADLs, and Finances: Amount of Paid and Unpaid Help Received . . . 1292
ADLs, IADLs, and Finances: Amount of Family and Non-Family Help Received . . . 1298
ADLs, IADLs, and Finances: Total Payments to Helpers . . . 1304
ADLs, IADLs, and Finances: Payments to Family and Non-Family Helpers . . . 1308

Section H: Financial and Housing Wealth 1314
Net value of real estate (not primary residence) . . . 1315
Net value of vehicles . . . 1320
Net value of businesses . . . 1325
Net value of IRA, Keogh accounts . . . 1331
Net value of stocks, mutual funds, and investment trusts . . . 1337
Value of checking, savings, or money market accounts . . . 1342
Value of CD, government savings bonds, and T-bills . . . 1347
Net value of bonds and bond funds . . . 1352
Net value of all other savings . . . 1357
Value of other debt . . . 1362
Value of primary residence . . . 1368
Value of all mortgages/land contracts (primary residence) . . . 1375
Value of other home loans (primary residence) . . . 1381
Net value of primary residence . . . 1386
Value of secondary residence . . . 1388
Value of all mortgages/land contracts (secondary residence) . . . 1394
Net value of secondary residence . . . 1400

Net value of non-housing financial wealth . . . 1403
Total Wealth . . . 1405
Total Wealth (Excluding IRAs) . . . 1407
Total Non-housing Wealth . . . 1409

Section I: Income **1411**
Individual Earnings . . . 1412
Household Capital Income . . . 1422
Individual Income from Employer Pension or Annuity . . . 1436
Individual Income from Social Security DI or SSI . . . 1457
Individual Income from Social Security Retirement . . . 1474
Individual Unemployment or Workers' Compensation . . . 1483
Individual income from other government transfers . . . 1496
All other household income . . . 1509
Total household income (Respondent & spouse) . . . 1517
IRA Withdrawals . . . 1520
Poverty Threshold . . . 1534

Section J: Social Security **1551**
Receives Social Security in any wave . . . 1552
Age when started to receive Social Security . . . 1554
Change in Social Security Disability Income (SSDI) or Supplemental Security Income (SSI) Status . . . 1557
SSDI, SSI Disability Episodes . . . 1602
SSDI, SSI Status (Each Wave) . . . 1627
Respondent is Receiving SSDI (Each Wave) . . . 1634
SSDI, SSI Amount Receiving (Each Wave) . . . 1637
Predicted SS wealth of Pre-retirees . . . 1640

Section K: Pensions **1651**
Currently receiving any pension income . . . 1652
Number of pensions currently receive . . . 1657
Whether pensions can continue . . . 1662
Any pension from current job . . . 1669
Number of pension plans from current job . . . 1678
Type of pension plan from current job . . . 1685
Detailed type of pension plan from current job . . . 1697
Respondent's annual contribution to DC plan on current job . . . 1716
Respondent's account balance for DC plan from current job . . . 1731
Employer's annual contribution to Respondent's DC plan . . . 1751

Section L: Health Insurance **1778**
Covered by federal government health insurance program . . . 1779
Medicare/Medicaid HMO monthly premium . . . 1795
Medicare Part D prescription drug insurance monthly premium . . . 1799
Number of private health insurance plans . . . 1801
private health insurance premium amounts . . . 1807
source of private health insurance plans . . . 1818
Covered by health insurance from a current or previous employer . . . 1834
Whether employer-provided health plan covers retirees . . . 1849
Number of employer-provided/private health insurance plans . . . 1854
Plan-specific employer-provided health insurance: Source of insurance and who is covered . . . 1857

Plan-specific employer-provided health insurance: Coverage in retirement . . . 1880
Covered by other health insurance . . . 1901
Covered by long-term care insurance . . . 1907
Covered by life insurance . . . 1919

Section M: Family Structure **1926**
Number of people living in the household . . . 1927
Number of children . . . 1930
Number of living siblings . . . 1933
Number of children ever born . . . 1939

Section N: Retirement Plans, Expectations **1943**
Whether retired: Consider self retired . . . 1944
Whether retired: Retirement Month and Year, If Says Retired . . . 1948
Planned retirement year . . . 1954
Expects spouse to retire at the same time . . . 1960
Concerned about having enough retirement income . . . 1962
Expectations regarding retirement living standards versus current living standards . . . 1964
Expectation of total retirement wealth . . . 1966
Plans to continue paid work in retirement . . . 1967
Self-reported probability of living to age 75 . . . 1969
Self-reported probability of living to age 85 . . . 1974
Change in Health: Self-reported Mortality Expectations . . . 1981
Categorical risk aversion: based on the set of "income gamble" questions . . . 1991
Financial planning horizon . . . 1997
Did Respondent respond to at least the first three probability questions . . . 2001
Self-reported probability of receiving an inheritance . . . 2004
Self-reported probability of leaving a bequest . . . 2006
Self-reported probability of working full-time after age 62 . . . 2013
Self-reported probability of working full-time after age 65 . . . 2018
Self-reported probability of working after age 70 . . . 2023
Self-reported probability of having a work limiting health problem in next 10 years . . . 2028
Self-reported probability of moving to nursing home in next 5 years . . . 2030
Retirement satisfaction . . . 2032
Retirement years compared to years just before retirement . . . 2036

Section O: Employment History **2040**
Currently working for pay . . . 2041
Whether Self-Employed . . . 2047
Same Employer or Same Job Title as previous Wave . . . 2051
Labor Force Status . . . 2057
In the labor force . . . 2068
Retired Employment Status . . . 2073
Unemployed . . . 2077
Hours of work per week at current job . . . 2082
Weeks worked per year at current job . . . 2086
Wage rate . . . 2090
Current job requires lots of physical effort . . . 2106
Current job requires lifting heavy loads . . . 2110
Current job requires stooping, kneeling, or crouching . . . 2114
Current job requires good eyesight . . . 2118

Current Job involves lots of stress . . . 2122
Years of tenure on current job . . . 2126
Occupation code for current job . . . 2129
Industry code for current job . . . 2141
Respondent belongs to a Union . . . 2151
Firm Size . . . 2157
Years of tenure at longest reported job . . . 2162
Occupation code for job with longest reported tenure . . . 2173
Industry code for job with longest tenure . . . 2186
Job History Status . . . 2196
Total years worked from self report . . . 2208
Month and year last job ended . . . 2219

Section P: Leave Behind Psycho-Social Questionnaire 2226
Leave-Behind Weights and Eligibility . . . 2227
Big 5 Personality Traits . . . 2233
Loneliness . . . 2240
Ongoing Chronic Stressors . . . 2243
Emotional Well-being . . . 2258
Subjective Well-being . . . 2262

Appendix A 2277
Section A: Demographics . . . 2278
Section B: Employment History . . . 2280
Section C: Medicare Part B and Part D Premiums . . . 2282
Section D: OPN Adjustments . . . 2284

Section A: Demographics, Identifiers, and Weights

Person Specific Identifier

Wave	Variable Name	Variable Label	Type
1	HHIDPN	HHIDPN: HHold ID + Person Number /Num	Cont
1	HHID	HHID: HHold ID / 6-Char	Char
1	PN	Person Number (CHAR)	Char
1	RAHHIDPN	RAHHIDPN: HHold ID + Person Num /9-Char	Char

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
HHIDPN	45165	305852549.3	252398677.9	1010.0	959738010.0

How Constructed

HHID is the 6-character HRS household identifier, and PN is the 3-character person number. Together, HHID and PN uniquely identify each individual in the HRS public-release data. On the RAND HRS Longitudinal File, they are provided separately and, for convenience, in combination as HHIDPN and RAHHIDPN.

HHIDPN is the numeric version of the combined household and person identifier that identifies each Respondent uniquely. It is set to HHID*1000 + PN. RAHHIDPN is the 9-character version of HHIDPN, with leading zeros. For example, if the HHID is 012345 and PN is 010 then HHIDPN is 12345010 and RAHHIDPN is 012345010.

HHID and PN, HHIDPN, and RAHHIDPN are all equivalent and unique identifiers, and the RAND HRS Longitudinal File sort order is the same for all three. To merge the RAND HRS Longitudinal File with other data sources, one may use the single variables HHIDPN or RAHHIDPN, or the two variables HHID and PN, whichever is available and most convenient. Other RAND data products also provide all of these identifiers. The programs used to develop the RAND HRS Longitudinal File use HHIDPN, so that means of the numeric ID may be checked to ensure none are missing.

Around 100 individuals responded to HRS 1992 (W1) but were AHEAD eligible, and their households were given to the AHEAD sample. From 1993 on they are treated as AHEAD cases. On this file these cases are identified by their AHEAD IDs, and are linked to their HRS 1992 data. These are the only AHEAD entry cohort Respondents with any W1 data. These "HRS-AHEAD" overlap cases are identified by RAOVRLAP (=1).

One case is married to an HRS-AHEAD overlap case in Wave 1 but not identified as an overlap on the Tracker file. We flag them as an HRS-AHEAD overlap case (RAOVRLAP = 1) with RAOHRSID = 20582020 and HHIDPN = 204940020. The only wave to which this case responds is Wave 1.

In addition a few individuals within the AHEAD sample married someone from a different AHEAD household. These cases have one AHEAD ID for early waves, but are assigned a new one after the within-sample marriage in the core public use data. This file identifies these Respondents by their most recent AHEAD ID and links their data across all waves. RAOVRAYR gives the last year in which the original HHIDPN is assigned, i.e., the last interview before the within-sample marriage. For example, if someone married another AHEAD sample member in different household between 1995 and 1998, RAOVRAYR=1995. These "AHEAD-AHEAD" overlap cases are identified by RAOVRLAP as well (=2).

Also in 2004, two households were identified and selected to be in the HRS survey. Both these households were 2-person households containing a married couple. However, there is a lag between when a household is identified and when they actually start to answer survey questions. So, it was 2010 before they actually responded to any HRS survey questions. By 2010, these households had split and

so, in the 2010 Core data we had the following IDs HHIDPN=526934010 split from HHIDPN=525520010 and HHIDPN=529766010 split from HHIDPN=520845010.

By 2012, these couples had reunited and so in the 2012 Tracker file, their IDs change from
HHIDPN=526934010 to HHIDPN=525520020
HHIDPN=529766010 to HHIDPN=520845020

In the RAND HRS data products, these cases are referenced by their 2012 IDs. The IDs they had in the 2010 Core data can be found in RAOHRSID. Also, they can be identified by RAOVRLAP=3.

In 2018, two Respondents married another HRS Respondent. HHIDPN=906126010, who entered the survey in 2010, married HHIDPN=906543010. We changed HHIDPN=906126010 to be HHIDPN=906543020 and set RAOHRSID=906126010, RAOVRLAP=3 and RAOVRAYR=2010. HHIDPN=544849010, who entered the survey in 2016, married HHIDPN=540162010. We changed HHIDPN= 544849010 to be HHIDPN=540162020 and set RAOHRSID=544849010, RAOVRLAP=3 and RAOVRAYR=2016.

For both cases we set the sub-household ID to 1 until they marry in 2018, at which point we set it to 0, to match their spouse. This ensures they are recorded as a separate household until they marry in 2018. For example, for HHIDPN=540162020, H13HHID=5401621 and H14HHID= 5401620.

In 2020, one Respondent married another HRS Respondent. HHIDPN=541986010, who entered the survey in 2016, married HHIDPN=541110010. We changed HHIDPN=541986010 to be HHIDPN=541110020 and set RAOHRSID=541986010, RAOVRLAP=3 and RAOVRAYR=2016. We set the sub-household ID for HHIDPN=541110020 to 1 until they marry in 2020, at which point we set it to 0, to match their spouse. This ensures they are recorded as a separate household until they marry in 2020. For example, for HHIDPN=541110020, H13HHID=5411101, H14HHID=5411101, and H15HHID= 5411100.

Based on data alerts from HRS, we have made several changes to cases in 2000 and 2002. There is one case deleted in each of these years, and in 2000, HHIDPN 75573041 is changed to 75573010.

Please refer to "Section A: Demographics" in Appendix A for a list of overlap cases and other ID change information. Please see the section on "Overlap cases" for a description of the RAOVRLAP flag and alternate IDs.

HRS Variables Used

```
Tracker:
    HHID                HOUSEHOLD IDENTIFIER
    OVHHID              OVERLAP CASE: OLD HHID
    OVPN                OVERLAP CASE: OLD PN
    PN                  PERSON NUMBER
```

Household Identifier

Wave	Variable Name	Variable Label	Type
1	H1HHID	H1HHID:W1 HHold ID + SubHHold /Num	Cont
2	H2HHID	H2HHID:W2 HHold ID + SubHHold /Num	Cont
3	H3HHID	H3HHID:W3 HHold ID + SubHHold /Num	Cont
4	H4HHID	H4HHID:W4 HHold ID + SubHHold /Num	Cont
5	H5HHID	H5HHID:W5 HHold ID + SubHHold /Num	Cont
6	H6HHID	H6HHID:W6 HHold ID + SubHHold /Num	Cont
7	H7HHID	H7HHID:W7 HHold ID + SubHHold /Num	Cont
8	H8HHID	H8HHID:W8 HHold ID + SubHHold /Num	Cont
9	H9HHID	H9HHID:W9 HHold ID + SubHHold /Num	Cont
10	H10HHID	H10HHID:W10 HHold ID + SubHHold /Num	Cont
11	H11HHID	H11HHID:W11 HHold ID + SubHHold /Num	Cont
12	H12HHID	H12HHID:W12 HHold ID + SubHHold /Num	Cont
13	H13HHID	H13HHID:W13 HHold ID + SubHHold /Num	Cont
14	H14HHID	H14HHID:W14 HHold ID + SubHHold /Num	Cont
15	H15HHID	H15HHID:W15 HHold ID + SubHHold /Num	Cont
16	H16HHID	H16HHID:W16 HHold ID + SubHHold /Num	Cont
1	H1HHIDC	H1HHIDC:W1 HHold ID + SubHHold /7-Char	Char
2	H2HHIDC	H2HHIDC:W2 HHold ID + SubHHold /7-Char	Char
3	H3HHIDC	H3HHIDC:W3 HHold ID + SubHHold /7-Char	Char
4	H4HHIDC	H4HHIDC:W4 HHold ID + SubHHold /7-Char	Char
5	H5HHIDC	H5HHIDC:W5 HHold ID + SubHHold /7-Char	Char
6	H6HHIDC	H6HHIDC:W6 HHold ID + SubHHold /7-Char	Char
7	H7HHIDC	H7HHIDC:W7 HHold ID + SubHHold /7-Char	Char
8	H8HHIDC	H8HHIDC:W8 HHold ID + SubHHold /7-Char	Char
9	H9HHIDC	H9HHIDC:W9 HHold ID + SubHHold /7-Char	Char
10	H10HHIDC	H10HHIDC:W10 HHold ID + SubHHold /7-Char	Char
11	H11HHIDC	H11HHIDC:W11 HHold ID + SubHHold /7-Char	Char
12	H12HHIDC	H12HHIDC:W12 HHold ID + SubHHold /7-Char	Char
13	H13HHIDC	H13HHIDC:W13 HHold ID + SubHHold /7-Char	Char
14	H14HHIDC	H14HHIDC:W14 HHold ID + SubHHold /7-Char	Char
15	H15HHIDC	H15HHIDC:W15 HHold ID + SubHHold /7-Char	Char
16	H16HHIDC	H16HHIDC:W16 HHold ID + SubHHold /7-Char	Char

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
H1HHID	12652	492181.43	273913.39	10.0	2088670.0
H2HHID	19642	1133404.38	791404.84	10.0	2088980.0
H3HHID	17991	1090001.28	784075.68	20.0	2088980.0
H4HHID	21384	1209708.45	767109.01	20.0	2134790.0
H5HHID	19578	1178844.88	763692.53	20.0	2134790.0
H6HHID	18165	1139184.18	755892.49	30.0	2134790.0
H7HHID	20129	1748203.12	1606542.38	30.0	5027610.0
H8HHID	18469	1716759.78	1610087.26	30.0	5027610.0
H9HHID	17217	1717848.99	1641192.71	30.0	5027610.0
H10HHID	22034	3190737.96	2882407.99	30.0	9597380.0
H11HHID	20554	3227024.44	2899750.56	30.0	9597380.0
H12HHID	18747	3321934.84	2929702.23	30.0	9597380.0
H13HHID	20912	3865292.69	2760182.69	100010.0	9597380.0
H14HHID	17146	3927732.60	2759154.09	100030.0	9597380.0
H15HHID	15723	4060848.47	2754415.91	100030.0	9597380.0
H16HHID	15787	4426107.00	2547495.11	100010.0	9597380.0

How Constructed

The HwHHID identifiers combine HHID with a sub-household ID for each wave. They uniquely identify a household in a given wave. Households that split are given different subHH IDs by HRS. HwHHID is numeric (HHID*10+subHH). HwHHIDC is the 7-character version, with leading zeros. For example, if HHID is 012345 and the Wave "w" subHH is 2 then HwHHID is 123452 and HwHHIDC is "0123452."

Around 100 individuals responded to HRS 1992 (W1) but were AHEAD eligible, and their households were given to the AHEAD sample. From 1993 on they are treated as AHEAD cases. On this file these cases are identified by their AHEAD IDs, and are linked to their HRS 1992 data. These are the only AHEAD entry cohort Respondents with any W1 data. These "HRS-AHEAD" overlap cases are identified by RAOVRLAP (=1).

In addition a few individuals within the AHEAD sample married someone from a different AHEAD household. These cases have one AHEAD ID for early waves, but are assigned a new one after the within-sample marriage. This file identifies these Respondents by their most recent AHEAD HHIDPN. RAOVRAYR gives the last year in which the original HHIDPN is assigned, i.e., the last interview before the within-sample marriage. For example, if someone married another AHEAD sample member in different household between 1995 and 1998, RAOVRAYR=1995. These are "AHEAD-AHEAD" overlap cases and are identified by RAOVRLAP as well (=2).

Also in 2004, two households were identified and selected to be in the HRS survey. Both these households were 2-person households containing a married couple. However, there is a lag between when a household is identified and when they actually start to answer survey questions. So, it was 2010 before they actually responded to any HRS survey questions. By 2010, these households had split and so, in the 2010 Core data we had the following IDs HHIDPN=526934010 split from HHIDPN=525520010 and HHIDPN=529766010 split from HHIDPN=520845010.

By 2012, these couples had reunited and so in the 2012 Tracker file, their IDs change from
HHIDPN=526934010 to HHIDPN=525520020
HHIDPN=529766010 to HHIDPN=520845020

In the RAND HRS data products, these cases are referenced by their 2012 IDs. The IDs they had in the 2010 Core data can be found in RAOHRSID. Also, they can be identified by RAOVRLAP=3.

In 2018, two Respondents married another HRS Respondent. HHIDPN=906126010, who entered the survey in 2010, married HHIDPN=906543010. We changed HHIDPN=906126010 to be HHIDPN=906543020 and set RAOHRSID=906126010, RAOVRLAP=3 and RAOVRAYR=2010. HHIDPN=544849010, who entered the survey in 2016, married HHIDPN=540162010. We changed HHIDPN= 544849010 to be HHIDPN=540162020 and set RAOHRSID=544849010, RAOVRLAP=3 and RAOVRAYR=2016.

For both cases we set the sub-household ID to 1 until they marry in 2018, at which point we set it to 0, to match their spouse. This ensures they are recorded as a separate household until they marry in 2018. For example, for HHIDPN=540162020, H13HHID=5401621 and H14HHID= 5401620.

In 2020, one Respondent married another HRS Respondent. HHIDPN=541986010, who entered the survey in 2016, married HHIDPN=541110010. We changed HHIDPN=541986010 to be HHIDPN=541110020 and set RAOHRSID=541986010, RAOVRLAP=3 and RAOVRAYR=2016. We set the sub-household ID for HHIDPN=541110020 to 1 until they marry in 2020, at which point we set it to 0, to match their spouse. This ensures they are recorded as a separate household until they marry in 2020. For example, for HHIDPN=541110020, H13HHID=5411101, H14HHID=5411101, and H15HHID= 5411100.

For the HRS-AHEAD overlap cases the HwHHID and HwHHIDC variables reflect the AHEAD household identifier in all waves. For the AHEAD-AHEAD overlap cases, HwHHID and HwHHIDC reflect the actual AHEAD sub-household for the Respondent in each wave. So, for example, if the Respondent was in household 2000000 in 1995 and married into household 2900000 in 1998, H3HHID would be 2000000 and H4HHID would be 2900000.

Please refer to "Section A: Demographics" in Appendix A for a list of overlap cases.

Also in Wave 3H, there are a few households that appear to be reunited based on answers to questions in the cover sheet section. They are reunited in Wave 4 in the public use HRS core data, but have different sub-household IDs in Wave 3. We reunite them in Wave 3 in the RAND HRS Longitudinal File. These households are: 17520 (PNs 010 and 040), 22999 (PNs 010 and 020), 40609 (PNs 010 and 020), 40441 (PNs 010 and 020), 50945 (PNs 010 and 040). These cases will have different sub-household IDs in H3HHID from the ESUBHH found in the Tracker and core 1996 files. The spouse PNs will also differ.

In 1994, one household, 15730 is split in the core data, but is together in the Tracker file. In this household, 15730020 was interviewed, but then died before the widow (15730030) was interviewed. We treat these two cases as being in separate households, as they are in the core data.

In some other households, the Tracker file shows a non-responding spouse, but the core data indicate that the couple is split. We treat these couples as split. In most households, this involves a change for the non-responding spouse so that the sub-household ID on this file differs from that on the Tracker file, but still matches that on the core data. For two households, 10646 and 65564, the FSUBHH used to derive H4HHID also differs from that on the core 1998 data for the responding spouse. That is, they are shown as not split in both Tracker and 1998 core data, but are split on the RAND HRS Longitudinal File based on core cover sheet information. Note that the spouse PN for the responding spouse in these two households was set to missing in Wave 4.

HRS Variables Used

```
AHEAD 1993:
    BSUBHH          1993 SUB-HOUSEHOLD IDENTIFIER
HRS 1994:
    W2SUBHH         HRS Wave 2 Sub-Household
AHEAD 1995:
    DSUBHH          1995 SUB-HOUSEHOLD IDENTIFIER
HRS 1996:
    ESUBHH          1996 SUB-HOUSEHOLD IDENTIFIER
HRS 1998:
    FSUBHH          1998 SUB-HOUSEHOLD IDENTIFIER
HRS 2000:
    GSUBHH          2000 SUB-HOUSEHOLD IDENTIFIER
Tracker:
    HHID                HOUSEHOLD IDENTIFIER
    OVHHID              OVERLAP CASE: OLD HHID
    OVPN                OVERLAP CASE: OLD PN
    PN                  PERSON NUMBER
    xSUBHH              1992-2022 SUB-HOUSEHOLD IDENTIFIER
```

Spouse Identifier

Wave	Variable Name	Variable Label	Type
1	S1HHIDPN	S1HHIDPN:W1 Spouse HHIDPN	Cont
2	S2HHIDPN	S2HHIDPN:W2 Spouse HHIDPN	Cont
3	S3HHIDPN	S3HHIDPN:W3 Spouse HHIDPN	Cont
4	S4HHIDPN	S4HHIDPN:W4 Spouse HHIDPN	Cont
5	S5HHIDPN	S5HHIDPN:W5 Spouse HHIDPN	Cont
6	S6HHIDPN	S6HHIDPN:W6 Spouse HHIDPN	Cont
7	S7HHIDPN	S7HHIDPN:W7 Spouse HHIDPN	Cont
8	S8HHIDPN	S8HHIDPN:W8 Spouse HHIDPN	Cont
9	S9HHIDPN	S9HHIDPN:W9 Spouse HHIDPN	Cont
10	S10HHIDPN	S10HHIDPN:W10 Spouse HHIDPN	Cont
11	S11HHIDPN	S11HHIDPN:W11 Spouse HHIDPN	Cont
12	S12HHIDPN	S12HHIDPN:W12 Spouse HHIDPN	Cont
13	S13HHIDPN	S13HHIDPN:W13 Spouse HHIDPN	Cont
14	S14HHIDPN	S14HHIDPN:W14 Spouse HHIDPN	Cont
15	S15HHIDPN	S15HHIDPN:W15 Spouse HHIDPN	Cont
16	S16HHIDPN	S16HHIDPN:W16 Spouse HHIDPN	Cont
1	RASPCT	RASPCT: # of spouses with ID	Cont
1	RASPID1	RASPID1: HHIDPN of 1st spouse	Cont
1	RASPID2	RASPID2: HHIDPN of 2nd spouse	Cont
1	RASPID3	RASPID3: HHIDPN of 3rd spouse	Cont
1	RASPID4	RASPID4: HHIDPN of 4th spouse	Cont
E	RESHHIDPN	RESHHIDPN:EXIT Spouse identifier	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
S1HHIDPN	12652	40146194.53	31817608.99	0.0	208867020.0
S2HHIDPN	19579	69292205.10	78266466.40	0.0	208898020.0
S3HHIDPN	17923	64714226.32	75514530.01	0.0	208898020.0
S4HHIDPN	21318	73878098.67	79686967.00	0.0	213479020.0
S5HHIDPN	19544	70100759.18	77812720.41	0.0	213479020.0
S6HHIDPN	18144	65995307.78	75312554.74	0.0	213479020.0
S7HHIDPN	20118	114263253.9	160029968.4	0.0	502759020.0
S8HHIDPN	18468	111704937.0	159934303.8	0.0	502759020.0
S9HHIDPN	17216	110966257.4	162224673.2	0.0	502759020.0
S10HHIDPN	22028	210993676.5	279844099.4	0.0	923525020.0
S11HHIDPN	20550	212094060.7	281882029.7	0.0	958361011.0
S12HHIDPN	18699	215851607.3	285191135.1	0.0	923525020.0
S13HHIDPN	20767	248626529.0	289079534.1	0.0	923525020.0
S14HHIDPN	17020	249856163.1	289342520.0	0.0	923525020.0
S15HHIDPN	15711	258156437.0	292490718.0	0.0	923525020.0
S16HHIDPN	15560	267508288.2	292366038.5	0.0	923525021.0
RASPCT	45165	0.77	0.50	0.0	5.0
RASPID1	33351	293170495.2	254334637.0	3010.0	958361011.0
RASPID2	1448	240013023.9	260762925.3	10004041.0	923525021.0
RASPID3	98	196994121.7	238381239.9	11936012.0	918097022.0

```
RASPID4                9 146803783.8 201860492.2  16973033.0 501196013.0

RESHHIDPN          11572 162297814.1 152856159.2      3010.0 920672010.0
```

How Constructed

Core Interview Variables

HRS Respondents have up to 4 different individuals as spouses or partners from 1992 to 2022. Cohabiting partners are treated as spouses for all but the marriage variables in this file. RASPCT tells how many spouses the Respondent has over all waves. Their HHIDPNs are given in RASPID1-RASPID4. SwHHIDPN gives the HHIDPN of the spouse in Wave "w." The SwHHIDPN variables are derived from HHID and the spouse person numbers found in the core data and on the Tracker file. These are the numeric versions of the IDs.

There are a number of cases where the spouse PN on the Tracker file does not match that used in the core data or in this file. In some cases the spouse identified on the Tracker is deceased or otherwise non-responding when the Respondent indicates not being married or partnered. In other cases, the spouse PN is missing on the Tracker file, but is available in the core data. On this file, the SwHHIDPNs of deceased or other spouses no longer part of the couple are set to zero, and core spouse PNs are used when missing from Tracker.

If there is no spouse in a given wave, SwHHIDPN is set to zero. If SwHHIDPN is unknown, and the marital status in a particular wave is either missing (.M) or married, SwHHIDPN is set to a special missing code of .M. If the Respondent is non-responding in a given wave, SwHHIDPN is set to plain missing (.).

There are spouse versions of most Respondent variables. Each wave carries that wave's spouse's demographic and other information. For example, S1BDATE and S4BDATE are the birth dates for the Wave 1 and Wave 4 spouses, respectively. If the spouse in Wave 4 is the same as the spouse in Wave 1, these dates will be identical. But if the spouse in Wave 4 is different from the spouse in Wave 1, these will probably be different dates. If these spouse variables are missing because the Respondent is not married or partnered, they are set to SAS special missing .U. If they are missing because the Respondent's spouse or partner did not respond, they are set to a .V missing.

Exit Interview Variables

RESHHIDPN is the spouse ID corresponding to SwHHIDPN at the time of the Respondent's death. Like SwHHIDPN, RESHHIDPN is a numeric ID variable derived from HHID and the spouse person number found on the Tracker file.

HRS Variables Used

```
Tracker:
    HHID                HOUSEHOLD IDENTIFIER
    xPPN                1992-2022 SPOUSE-PARTNER PERSON NUMBER
```

Overlap Identifier for cases that moved from HRS to AHEAD

Wave	Variable Name	Variable Label	Type
1	RAOVRLAP	RAOVRLAP: Overlap/AltID case	Categ
1	RAOVRAYR	RAOVRAYR: Overlap-Original ID end yr	Cont
1	HAOAHDHH	HAOAHDHH: Overlap/AltID-Ahead(orig) HHID/Num	Cont
1	RAOAHDID	RAOAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
1	S1OAHDID	S1OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
2	S2OAHDID	S2OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
3	S3OAHDID	S3OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
4	S4OAHDID	S4OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
5	S5OAHDID	S5OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
6	S6OAHDID	S6OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
7	S7OAHDID	S7OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
8	S8OAHDID	S8OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
9	S9OAHDID	S9OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
10	S10OAHDID	S10OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
11	S11OAHDID	S11OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
12	S12OAHDID	S12OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
13	S13OAHDID	S13OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
14	S14OAHDID	S14OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
15	S15OAHDID	S15OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
16	S16OAHDID	S16OAHDID: Overlap/AltID case-Ahead core HHIDPN	Cont
1	H1OHRSHH	H1OHRSHH:W1 HRS core HHID + SubHHold /Num	Cont
1	RAOHRSID	RAOHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
1	S1OHRSID	S1OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
2	S2OHRSID	S2OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
3	S3OHRSID	S3OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
4	S4OHRSID	S4OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
5	S5OHRSID	S5OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
6	S6OHRSID	S6OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
7	S7OHRSID	S7OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
8	S8OHRSID	S8OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
9	S9OHRSID	S9OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
10	S10OHRSID	S10OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
11	S11OHRSID	S11OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
12	S12OHRSID	S12OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
13	S13OHRSID	S13OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
14	S14OHRSID	S14OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
15	S15OHRSID	S15OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
16	S16OHRSID	S16OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAOVRLAP	45165	0.00	0.06	0.0	3.0
RAOVRAYR	45163	0.27	23.13	0.0	2016.0
HAOAHDHH	45165	498.47	10089.19	0.0	208867.0
RAOAHDID	45165	498474.28	10089188.74	0.0	208867020.0
S1OAHDID	10279	2130729.22	20777556.54	0.0	208867020.0
S2OAHDID	13610	1578652.80	17905643.37	0.0	208867020.0

S3OAHDID	12269	1434741.97	17078562.49	0.0	208867020.0
S4OAHDID	14454	1103902.67	14988135.10	0.0	208867020.0
S5OAHDID	13007	1084597.76	14853225.53	0.0	208289020.0
S6OAHDID	11822	865667.89	13284425.71	0.0	208867020.0
S7OAHDID	13307	600720.19	11081327.60	0.0	208867020.0
S8OAHDID	12002	545869.40	10558623.87	0.0	207784020.0
S9OAHDID	10953	431146.38	9399931.70	0.0	208867020.0
S10OAHDID	14145	201976.69	6417684.05	0.0	208867020.0
S11OAHDID	12986	172427.86	5922750.68	0.0	208867020.0
S12OAHDID	11521	140818.08	5342836.87	0.0	208867020.0
S13OAHDID	12688	64667.64	3641957.61	0.0	208867020.0
S14OAHDID	10267	39996.79	2865995.10	0.0	208867020.0
S15OAHDID	9367	0.00	0.00	0.0	0.0
S16OAHDID	8986	22454.93	2128604.39	0.0	201780020.0
H1OHRSHH	45165	1069.48	24586.17	0.0	870320.0
RAOHRSID	45165	175419.50	7048731.50	0.0	906126010.0
S1OHRSID	10279	470989.17	5144962.69	0.0	87032030.0
S2OHRSID	13610	350047.95	4457362.47	0.0	87032030.0
S3OHRSID	12269	324834.80	4309945.56	0.0	87032030.0
S4OHRSID	14454	238743.11	3644917.31	0.0	87032030.0
S5OHRSID	13007	235302.27	3619739.25	0.0	87032030.0
S6OHRSID	11822	172952.56	3128305.12	0.0	87032030.0
S7OHRSID	13307	115974.37	2511708.09	0.0	87032030.0
S8OHRSID	12002	102655.87	2278856.69	0.0	87032030.0
S9OHRSID	10953	88615.77	2139235.68	0.0	87032030.0
S10OHRSID	14145	44722.75	1529961.11	0.0	87032030.0
S11OHRSID	12986	116198.93	6679552.83	0.0	529766010.0
S12OHRSID	11521	72389.04	5032415.88	0.0	526934010.0
S13OHRSID	12688	55731.56	4762368.92	0.0	526934010.0
S14OHRSID	10267	201250.32	11682335.06	0.0	906126010.0
S15OHRSID	9367	172282.38	9626767.00	0.0	544849010.0
S16OHRSID	8986	288861.12	13732197.30	0.0	906126010.0

Categorical Variable Codes

RAOVRLAP: Overlap/AltID case

Value	
0.Not ovrlap case	45048
1.Hrs-Ahd ovrlap	109
2.Ahd-Ahd ovrlap	2
3.Hrs-Hrs ovrlap	6

How Constructed

Around 100 individuals responded to HRS 1992 (W1) but were AHEAD eligible, and their households were given to the AHEAD sample. From 1993 on they are treated as AHEAD cases. On this file these cases are identified by their AHEAD IDs, and are linked to their HRS 1992 data. These are the only AHEAD entry cohort Respondents with any W1 data. These are "HRS-AHEAD" overlap cases and are identified by RAOVRLAP (=1).

One case is married to an HRS-AHEAD overlap case in Wave 1 but not identified as an overlap on the Tracker file. We flag them as an HRS-AHEAD overlap case (RAOVRLAP = 1) with RAOHRSID = 20582020 and HHIDPN = 204940020. The only wave to which this case responds is Wave 1.

In addition, a few individuals within the AHEAD sample married someone from a different AHEAD household. These cases have one AHEAD ID for early waves, but are assigned a new one after the within-sample marriage. This file identifies these Respondents by their most recent AHEAD ID. RAOVRAYR gives the last year in which the original HHIDPN is assigned, i.e., the last interview before the within-sample marriage. For example, if someone married another AHEAD sample member in a different household between 1995 and 1998, RAOVRAYR=1995. These are "AHEAD-AHEAD" overlap cases, and are identified by RAOVRLAP as well (=2).

Also in 2004, two households were identified and selected to be in the HRS survey. Both these households were 2-person households containing a married couple. However, there is a lag between when a household is identified and when they actually start to answer survey questions. So, it was 2010 before they actually responded to any HRS survey questions. By 2010, these households had split and so, in the 2010 Core data we had the following IDs HHIDPN=526934010 split from HHIDPN=525520010 and HHIDPN=529766010 split from HHIDPN=520845010.

By 2012, these couples had reunited and so in the 2012 Tracker file, their IDs change from
HHIDPN=526934010 to HHIDPN=525520020
HHIDPN=529766010 to HHIDPN=520845020

In the RAND HRS data products, these cases are referenced by their 2012 IDs. The IDs they had in the 2010 Core data can be found in RAOHRSID. Also, they can be identified by RAOVRLAP=3.

In 2018, two Respondents married another HRS Respondent. HHIDPN=906126010, who entered the survey in 2010, married HHIDPN=906543010. We changed HHIDPN=906126010 to be HHIDPN=906543020 and set RAOHRSID=906126010, RAOVRLAP=3 and RAOVRAYR=2010. HHIDPN=544849010, who entered the survey in 2016, married HHIDPN=540162010. We changed HHIDPN= 544849010 to be HHIDPN=540162020 and set RAOHRSID=544849010, RAOVRLAP=3 and RAOVRAYR=2016.

For both cases we set the sub-household ID to 1 until they marry in 2018, at which point we set it to 0, to match their spouse. This ensures they are recorded as a separate household until they marry in 2018. For example, for HHIDPN=540162020, H13HHID=5401621 and H14HHID= 5401620.

In 2020, one Respondent married another HRS Respondent. HHIDPN=541986010, who entered the survey in 2016, married

HHIDPN=541110010. We changed HHIDPN=541986010 to be HHIDPN=541110020 and set RAOHRSID=541986010, RAOVRLAP=3 and RAOVRAYR=2016. We set the sub-household ID for HHIDPN=541110020 to 1 until they marry in 2020, at which point we set it to 0, to match their spouse. This ensures they are recorded as a separate household until they marry in 2020. For example, for HHIDPN=541110020, H13HHID=5411101, H14HHID=5411101, and H15HHID= 5411100.

RAOAHDID is the AHEAD HHIDPN for the HRS-AHEAD overlap Respondents, and the original AHEAD ID for AHEAD-AHEAD overlap Respondents. HAOAHDHH gives just the HHID portion of RAOAHDID. On this file, HHIDPN (numeric), RAHHIDPN (character), and RAOAHDID (numeric) are all equal for HRS-AHEAD overlap cases.

For AHEAD-AHEAD overlap cases, HHIDPN and RAHHIDPN are the most recent AHEAD ID, different from the original one found in RAOAHDID. RAOAHDID matches the OVHHID and OVPN found for the AHEAD-AHEAD overlap cases on the Tracker file, and the HHID and PN found in the core data for interviews up to and including RAOVRAYR. HHIDPN and RAHHIDPN match the HHID and PN found in the core data for interviews after RAOVRAYR.

RAOHRSID is the HRS HHIDPN for the HRS-AHEAD Respondents. It is also the 2010 ID for the MBB-MBB overlap Respondents. RAOHRSID is the HHIDPN that identifies the Respondent in the 1992 or 2010 Public Use Data, and by OVHHID and OVPN on the Tracker file.

For the HRS-AHEAD overlap cases the HwHHID and HwHHIDC variables reflect the AHEAD household identifier in all waves. For the AHEAD-AHEAD overlap cases, HwHHID and HwHHIDC reflect the actual AHEAD sub-household for the Respondent in each wave. So, for example, if the Respondent was in household 2000000 in 1995 and married into household 2900000 in 1998, H3HHID would be 2000000 and H4HHID would be 2900000.

H1OHRSHH is the HRS Wave 1 HHID plus sub-household for overlap Respondents. For AHEAD-AHEAD overlap cases H1OHRSHH is set to zero.

For non-overlap cases, all overlap IDs and RAOVRLAP are set to zero.

The spouse overlap flag and identifiers are taken from the Wave "w" spouse's variables, i.e., from the Wave "w" spouse's RAOVRLAP, RAOAHDID, RAOHRSID, and RAOVRAYR.

Cross Wave Differences in Original HRS Data

Tracker identifies all the AHEAD-AHEAD overlap cases and HRS-AHEAD overlap cases.

HRS Variables Used

```
Tracker:
    HHID                HOUSEHOLD IDENTIFIER
    OVHHID              OVERLAP CASE: OLD HHID
    OVPN                OVERLAP CASE: OLD PN
    PN                  PERSON NUMBER
```

Wave Status: Response Indicator

Wave	Variable Name	Variable Label	Type
1	INW1	INW1: =1 if Respondent W1	Categ
2	INW2	INW2: =1 if Respondent W2	Categ
3	INW3	INW3: =1 if Respondent W3	Categ
4	INW4	INW4: =1 if Respondent W4	Categ
5	INW5	INW5: =1 if Respondent W5	Categ
6	INW6	INW6: =1 if Respondent W6	Categ
7	INW7	INW7: =1 if Respondent W7	Categ
8	INW8	INW8: =1 if Respondent W8	Categ
9	INW9	INW9: =1 if Respondent W9	Categ
10	INW10	INW10: =1 if Respondent W10	Categ
11	INW11	INW11: =1 if Respondent W11	Categ
12	INW12	INW12: =1 if Respondent W12	Categ
13	INW13	INW13: =1 if Respondent W13	Categ
14	INW14	INW14: =1 if Respondent W14	Categ
15	INW15	INW15: =1 if Respondent W15	Categ
16	INW16	INW16: =1 if Respondent W16	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
INW1	45165	0.28	0.45	0.0	1.0
INW2	45165	0.43	0.50	0.0	1.0
INW3	45165	0.40	0.49	0.0	1.0
INW4	45165	0.47	0.50	0.0	1.0
INW5	45165	0.43	0.50	0.0	1.0
INW6	45165	0.40	0.49	0.0	1.0
INW7	45165	0.45	0.50	0.0	1.0
INW8	45165	0.41	0.49	0.0	1.0
INW9	45165	0.38	0.49	0.0	1.0
INW10	45165	0.49	0.50	0.0	1.0
INW11	45165	0.46	0.50	0.0	1.0
INW12	45165	0.42	0.49	0.0	1.0
INW13	45165	0.46	0.50	0.0	1.0
INW14	45165	0.38	0.49	0.0	1.0
INW15	45165	0.35	0.48	0.0	1.0
INW16	45165	0.35	0.48	0.0	1.0

Categorical Variable Codes

INNWw: =1 if Respondent Ww

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.NonResp	32513	25523	27174	23781	25587	27000	25036	26696	27948	23131
1.Resp,alive	12652	19642	17991	21384	19578	18165	20129	18469	17217	22034

INNWw: =1 if Respondent Ww

Value	w11	w12	w13	w14	w15	w16
0.NonResp	24611	26418	24253	28019	29442	29378
1.Resp,alive	20554	18747	20912	17146	15723	15787

How Constructed

These variables indicate whether an individual responded to a particular wave.

Wave Status: Interview Status

Wave	Variable Name	Variable Label	Type
1	R1IWSTAT	R1IWSTAT:W1 R Interview Status	Categ
2	R2IWSTAT	R2IWSTAT:W2 R Interview Status	Categ
3	R3IWSTAT	R3IWSTAT:W3 R Interview Status	Categ
4	R4IWSTAT	R4IWSTAT:W4 R Interview Status	Categ
5	R5IWSTAT	R5IWSTAT:W5 R Interview Status	Categ
6	R6IWSTAT	R6IWSTAT:W6 R Interview Status	Categ
7	R7IWSTAT	R7IWSTAT:W7 R Interview Status	Categ
8	R8IWSTAT	R8IWSTAT:W8 R Interview Status	Categ
9	R9IWSTAT	R9IWSTAT:W9 R Interview Status	Categ
10	R10IWSTAT	R10IWSTAT:W10 R Interview Status	Categ
11	R11IWSTAT	R11IWSTAT:W11 R Interview Status	Categ
12	R12IWSTAT	R12IWSTAT:W12 R Interview Status	Categ
13	R13IWSTAT	R13IWSTAT:W13 R Interview Status	Categ
14	R14IWSTAT	R14IWSTAT:W14 R Interview Status	Categ
15	R15IWSTAT	R15IWSTAT:W15 R Interview Status	Categ
16	R16IWSTAT	R16IWSTAT:W16 R Interview Status	Categ
1	S1IWSTAT	S1IWSTAT:W1 S Interview Status	Categ
2	S2IWSTAT	S2IWSTAT:W2 S Interview Status	Categ
3	S3IWSTAT	S3IWSTAT:W3 S Interview Status	Categ
4	S4IWSTAT	S4IWSTAT:W4 S Interview Status	Categ
5	S5IWSTAT	S5IWSTAT:W5 S Interview Status	Categ
6	S6IWSTAT	S6IWSTAT:W6 S Interview Status	Categ
7	S7IWSTAT	S7IWSTAT:W7 S Interview Status	Categ
8	S8IWSTAT	S8IWSTAT:W8 S Interview Status	Categ
9	S9IWSTAT	S9IWSTAT:W9 S Interview Status	Categ
10	S10IWSTAT	S10IWSTAT:W10 S Interview Status	Categ
11	S11IWSTAT	S11IWSTAT:W11 S Interview Status	Categ
12	S12IWSTAT	S12IWSTAT:W12 S Interview Status	Categ
13	S13IWSTAT	S13IWSTAT:W13 S Interview Status	Categ
14	S14IWSTAT	S14IWSTAT:W14 S Interview Status	Categ
15	S15IWSTAT	S15IWSTAT:W15 S Interview Status	Categ
16	S16IWSTAT	S16IWSTAT:W16 S Interview Status	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1IWSTAT	45165	0.30	0.53	0.0	4.0
R2IWSTAT	45165	0.58	0.84	0.0	7.0
R3IWSTAT	45165	0.73	1.18	0.0	7.0
R4IWSTAT	45165	1.03	1.50	0.0	7.0
R5IWSTAT	45165	1.23	1.79	0.0	7.0
R6IWSTAT	45165	1.43	2.01	0.0	7.0
R7IWSTAT	45165	1.69	2.15	0.0	7.0
R8IWSTAT	45165	1.91	2.34	0.0	7.0
R9IWSTAT	45165	2.07	2.44	0.0	7.0
R10IWSTAT	45165	2.41	2.43	0.0	7.0
R11IWSTAT	45165	2.61	2.52	0.0	7.0
R12IWSTAT	45165	2.82	2.58	0.0	7.0
R13IWSTAT	45165	3.17	2.51	0.0	7.0
R14IWSTAT	45165	3.54	2.50	0.0	7.0
R15IWSTAT	45165	3.73	2.50	0.0	7.0
R16IWSTAT	45165	4.06	2.37	1.0	7.0
S1IWSTAT	10279	1.11	0.57	1.0	4.0
S2IWSTAT	13610	1.11	0.57	0.0	4.0
S3IWSTAT	12269	1.09	0.50	1.0	4.0

S4IWSTAT	14454	1.10	0.53	1.0	4.0
S5IWSTAT	13007	1.06	0.43	1.0	4.0
S6IWSTAT	11822	1.05	0.37	1.0	4.0
S7IWSTAT	13307	1.08	0.48	1.0	5.0
S8IWSTAT	12002	1.07	0.52	0.0	7.0
S9IWSTAT	10953	1.10	0.58	1.0	7.0
S10IWSTAT	14145	1.14	0.69	0.0	7.0
S11IWSTAT	12986	1.13	0.67	0.0	7.0
S12IWSTAT	11521	1.15	0.75	1.0	7.0
S13IWSTAT	12688	1.22	0.79	1.0	5.0
S14IWSTAT	10267	1.28	0.92	1.0	7.0
S15IWSTAT	9367	1.32	1.01	1.0	7.0
S16IWSTAT	8986	1.38	1.00	1.0	5.0

Categorical Variable Codes

RwIWSTAT: R Interview Status

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Inap.	32268	23974	23827	18705	18559	18399	14854	14696	14571	7956
1.Resp,alive	12652	19642	17991	21384	19578	18165	20129	18469	17217	22034
4.NR,alive	245	1300	2001	2173	2486	2250	2330	2196	2144	2240
5.NR,died this wv		226	1088	1345	1441	1571	1297	1384	1298	1609
6.NR,died prev wv			226	1312	2656	4097	5641	6925	8305	9603
7.NR,dropped from samp		23	32	246	445	683	914	1495	1630	1723

Value	w11	w12	w13	w14	w15	w16
0.Inap.	7781	7634	2943	2817	2721	
1.Resp,alive	20554	18747	20912	17146	15723	15787
4.NR,alive	2265	2551	3340	5391	5049	5748
5.NR,died this wv	1202	1343	1480	1221	1447	1382
6.NR,died prev wv	11212	12414	13757	15237	16458	17905
7.NR,dropped from samp	2151	2476	2733	3353	3767	4343

SwIWSTAT: S Interview Status

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		64	65	62	34	37	45	50	58	92
0.Inap.		17						2		2
1.Resp,alive	9900	13090	11917	13980	12730	11639	12972	11735	10646	13513
4.NR,alive	379	503	352	474	277	183	322	225	258	564
5.NR,died this wv							13	9	12	22
6.NR,died prev wv										
7.NR,dropped from samp								31	37	44

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	95	101	200	195	154	254
0.Inap.	5					
1.Resp,alive	12484	11012	11779	9358	8477	7840
4.NR,alive	422	413	873	862	774	1143
5.NR,died this wv	19	25	36	1	32	3
6.NR,died prev wv					3	
7.NR,dropped from samp	56	71		46	81	

How Constructed

This variable gives the response and mortality status of the Respondent at each wave. Respondents are identified by code 1, non-Respondents by codes 0, 4-7 and 9.

Mortality status is taken from the Tracker file. Known alive and presumed alive are both treated as indication that the Respondent is living. Non-response code 4 means that the Respondent is alive so far as we know, but did not respond. A code of 5 means that the Respondent died between the last interview and the current one, and 6 means that the Respondent had died before a previous wave. A code of 9 means that we don't know if the individual is alive or not; Tracker indicates this in the xALIVE variables for each wave. However, Tracker indicates some individuals are alive at a subsequent interview. We carry the living status back in these cases.

The xALIVE variable on the Tracker file is sometimes zero or missing before an individual enters the sample, or when an individual has been dropped from the sample. In these cases, if the Tracker variable xINSAMP indicates that the Respondent has not entered the sample because the cohort has not yet been interviewed, or the Respondent marries into the sample at a later wave (xINSAMP=2 or 3), then RwIWSTAT is set to zero. If the Respondent has been dropped from the sample because they were eligible to be an HRS-AHEAD overlap case but never responded to AHEAD (xINSAMP=4); alive but asked to be dropped from the study before the wave (xINSAMP=6); or for other reasons (xINSAMP=8); then RwIWSTAT is set to 7.

SwIWSTAT gives the response and mortality status of the current wave's spouse at each wave, if available. It is taken from the spouse's RxIWSTAT if the spouse appears on the Tracker file. Note that when a spouse dies, the spouse interview status for the surviving spouse will have a code of .U=Respondent unmarried if the widow does not remarry. A .V missing code indicates that there is no information in the Tracker file on why the spouse did not respond.

Note also that SxIWSTAT is set to plain missing (.) if an individual did not respond at a particular interview, including if they died.

Cross Wave Differences in Original HRS Data

In the Tracker file, the xALIVE flag is sometimes zero or missing when an individual has been dropped from the sample. In these cases, xINSAMP indicates why the Respondent has been dropped from the sample. Reasons are they were eligible to be an HRS-AHEAD overlap case but never responded to AHEAD (xINSAMP=4); alive but asked to be dropped from the study before the wave (xINSAMP=6); or for other reasons (xINSAMP=8).

HRS Variables Used

```
Tracker:
    xALIVE              1992-2022 VITAL STATUS
    xINSAMP             1992-2022 SAMPLE STATUS
```

Exit or Post-Exit Interview Administered

Wave	Variable Name	Variable Label	Type
2	R2PEXIT	R2PEXIT:W2 Exit or Post-Exit Interview Administered this wave	Categ
3	R3PEXIT	R3PEXIT:W3 Exit or Post-Exit Interview Administered this wave	Categ
4	R4PEXIT	R4PEXIT:W4 Exit or Post-Exit Interview Administered this wave	Categ
5	R5PEXIT	R5PEXIT:W5 Exit or Post-Exit Interview Administered this wave	Categ
6	R6PEXIT	R6PEXIT:W6 Exit or Post-Exit Interview Administered this wave	Categ
7	R7PEXIT	R7PEXIT:W7 Exit or Post-Exit Interview Administered this wave	Categ
8	R8PEXIT	R8PEXIT:W8 Exit or Post-Exit Interview Administered this wave	Categ
9	R9PEXIT	R9PEXIT:W9 Exit or Post-Exit Interview Administered this wave	Categ
10	R10PEXIT	R10PEXIT:W10 Exit or Post-Exit Interview Administered this wave	Categ
11	R11PEXIT	R11PEXIT:W11 Exit or Post-Exit Interview Administered this wave	Categ
12	R12PEXIT	R12PEXIT:W12 Exit or Post-Exit Interview Administered this wave	Categ
13	R13PEXIT	R13PEXIT:W13 Exit or Post-Exit Interview Administered this wave	Categ
14	R14PEXIT	R14PEXIT:W14 Exit or Post-Exit Interview Administered this wave	Categ
15	R15PEXIT	R15PEXIT:W15 Exit or Post-Exit Interview Administered this wave	Categ
16	R16PEXIT	R16PEXIT:W16 Exit or Post-Exit Interview Administered this wave	Categ
E	REXITWV	REXITWV:EXIT Wave Exit Interview was Administered	Categ
E	REPEXITWV1	REPEXITWV1:EXIT Wave First Post-Exit Interview was Administered	Categ
E	REPEXITWV2	REPEXITWV2:EXIT Wave Second Post-Exit Interview was Administered	Categ
E	REPEXITWV3	REPEXITWV3:EXIT Wave Third Post-Exit Interview was Administered	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R2PEXIT	45165	0.00	0.06	0.0	1.0
R3PEXIT	45165	0.02	0.14	0.0	1.0
R4PEXIT	45165	0.04	0.22	0.0	2.0
R5PEXIT	45165	0.05	0.24	0.0	2.0
R6PEXIT	45165	0.05	0.27	0.0	2.0
R7PEXIT	45165	0.05	0.26	0.0	2.0
R8PEXIT	45165	0.04	0.20	0.0	2.0
R9PEXIT	45165	0.03	0.20	0.0	2.0
R10PEXIT	45165	0.04	0.21	0.0	2.0
R11PEXIT	45165	0.03	0.20	0.0	2.0
R12PEXIT	45165	0.03	0.20	0.0	2.0
R13PEXIT	45165	0.03	0.20	0.0	2.0
R14PEXIT	45165	0.03	0.18	0.0	2.0
R15PEXIT	45165	0.03	0.19	0.0	2.0
R16PEXIT	45165	0.03	0.19	0.0	2.0
REXITWV	17713	9.39	3.98	2.0	16.0
REPEXITWV1	2397	8.31	3.59	4.0	16.0
REPEXITWV2	273	8.57	2.63	5.0	16.0
REPEXITWV3	19	10.47	3.42	7.0	15.0

Categorical Variable Codes

RwPEXIT: Exit or Post-Exit Interview Administered this wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No Exit Or Post-Exit Inte		44990	44197	43689	43467	43186	43479	43709	43717	43588
1.Exit Interview This Wave		175	968	1242	1342	1494	1222	1310	1330	1443
2.Post-Exit Interview This				234	356	485	464	146	118	134

Value	w11	w12	w13	w14	w15	w16
0.No Exit Or Post-Exit Inte	43828	43781	43734	44070	43783	43855
1.Exit Interview This Wave	1187	1242	1310	981	1266	1201
2.Post-Exit Interview This	150	142	121	114	116	109

REXITWV: EXIT Wave Exit Interview was Administered

Value	
.Y=No Interview, No Death R	25878
.Z=No Interview, Death Reco	1574
2	175
3	968
4	1242
5	1342
6	1494
7	1222
8	1310
9	1330
10	1443
11	1187
12	1242
13	1310
14	981
15	1266
16	1201

REPEXITWV1: EXIT Wave First Post-Exit Interview was Administered

Value	
.Y=No Interview, No Death R	25878
.Z=No Interview, Death Reco	16890
4	234
5	351
6	461
7	326
8	115
9	112
10	125
11	134
12	124
13	97
14	106
15	104
16	108

REPEXITWV2: EXIT Wave Second Post-Exit Interview was Administered

Value	
.Y=No Interview, No Death R	25878
.Z=No Interview, Death Reco	19014
5	5
6	24
7	129
8	31
9	6
10	9
11	16
12	18
13	19
14	4
15	11
16	1

REPEXITWV3: EXIT Wave Third Post-Exit Interview was Administered

Value	
.Y=No Interview, No Death R	25878
.Z=No Interview, Death Reco	19268
7	9
13	5
14	4
15	1

How Constructed

RwPEXIT indicates whether an Exit or Post-Exit Interview was administered this wave. We simply recode xIWTYPE directly from the Tracker file. A 0 means no Exit or Post-Exit Interview was administered this wave. A 1 means an Exit Interview was administered this wave and a 2 means a Post-Exit Interview was administered this wave.

REXITWV indicates the wave when the Exit Interview was administered. REPEXITWV1-REPEXITWV3 indicate the waves when the first, second and third Post Exit Interview was administered.

A respondent can have multiple Post-Exit Interviews but usually only one Exit Interview. An exception to this are HHIDPN=11863010 and 203802010. Both of these cases had Exit Interviews in 1998 and 2000. After consultation with HRS we are keeping the 1998 interview as it is closer to the Respondent's death.

HRS Variables Used

```
Tracker:
    xIWTYPE             1992-2022 INTERVIEW TYPE
```

Sample Cohort

Wave	Variable Name	Variable Label	Type
1	HACOHORT	HACOHORT: Sample cohort	Categ
1	RACOHBYR	RACOHBYR: Cohort based on birth yr	Categ
1	S1COHBYR	S1COHBYR: Cohort based on birth yr	Categ
2	S2COHBYR	S2COHBYR: Cohort based on birth yr	Categ
3	S3COHBYR	S3COHBYR: Cohort based on birth yr	Categ
4	S4COHBYR	S4COHBYR: Cohort based on birth yr	Categ
5	S5COHBYR	S5COHBYR: Cohort based on birth yr	Categ
6	S6COHBYR	S6COHBYR: Cohort based on birth yr	Categ
7	S7COHBYR	S7COHBYR: Cohort based on birth yr	Categ
8	S8COHBYR	S8COHBYR: Cohort based on birth yr	Categ
9	S9COHBYR	S9COHBYR: Cohort based on birth yr	Categ
10	S10COHBYR	S10COHBYR: Cohort based on birth yr	Categ
11	S11COHBYR	S11COHBYR: Cohort based on birth yr	Categ
12	S12COHBYR	S12COHBYR: Cohort based on birth yr	Categ
13	S13COHBYR	S13COHBYR: Cohort based on birth yr	Categ
14	S14COHBYR	S14COHBYR: Cohort based on birth yr	Categ
15	S15COHBYR	S15COHBYR: Cohort based on birth yr	Categ
16	S16COHBYR	S16COHBYR: Cohort based on birth yr	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
HACOHORT	45165	3.86	2.08	0.0	8.0
RACOHBYR	45164	3.91	2.19	0.0	8.0
S1COHBYR	10279	3.07	0.73	1.0	8.0
S2COHBYR	13585	2.47	1.10	1.0	8.0
S3COHBYR	12248	2.54	1.09	0.0	8.0
S4COHBYR	14442	2.80	1.17	0.0	8.0
S5COHBYR	13002	2.88	1.15	0.0	8.0
S6COHBYR	11814	2.97	1.13	0.0	8.0
S7COHBYR	13305	3.46	1.37	0.0	8.0
S8COHBYR	12000	3.52	1.34	0.0	8.0
S9COHBYR	10948	3.60	1.32	0.0	8.0
S10COHBYR	14142	4.38	1.61	0.0	8.0
S11COHBYR	12962	4.45	1.58	0.0	8.0
S12COHBYR	11510	4.56	1.56	0.0	8.0
S13COHBYR	12676	5.13	1.80	0.0	8.0
S14COHBYR	10207	5.18	1.76	0.0	8.0
S15COHBYR	9271	5.28	1.72	0.0	8.0
S16COHBYR	8467	5.43	1.89	0.0	8.0

Categorical Variable Codes

HACOHORT: Sample cohort

Value	
0.Hrs/Ahead ovrlap	108
1.Ahead	8339
2.Coda	2442
3.Hrs	13742
4.WarBabies	2968
5.Early BabyBoomers	5355
6.Mid BabyBoomers	5766
7.Late BabyBoomers	4976
8.Early Generation X	1469

RACOHBYR: Cohort based on birth yr

Value	
.M=Missing	1
0.Not in any cohort	594
1.Ahead	7760
2.Coda	4250
3.Hrs	10579
4.WarBabies	3838
5.Early BabyBoomers	5132
6.Mid BabyBoomers	5607
7.Late BabyBoomers	5231
8.Early Generation X	2173

SwCOHBYR: Cohort based on birth yr

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		89	86	74	39	45	47	52	63	95
0.Not in any cohort			1	3	6	7	16	20	21	109
1.Ahead	220	3834	3094	2389	1811	1314	976	692	483	267
2.Coda	1025	1608	1442	2710	2403	2106	1875	1605	1334	1062
3.Hrs	7433	6648	6280	5967	5556	5249	4955	4546	4198	3790
4.WarBabies	1181	1112	1061	2444	2347	2264	2177	2070	1950	1999
5.Early BabyBoomers	301	276	254	662	620	602	2392	2237	2137	2633
6.Mid BabyBoomers	91	77	86	193	182	199	685	622	616	3199
7.Late BabyBoomers	24	25	27	63	65	64	194	179	174	867
8.Early Generation X	4	5	3	11	12	9	35	29	35	216

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	119	112	212	255	250	773
0.Not in any cohort	100	105	290	235	218	353
1.Ahead	159	83	29	11	2	
2.Coda	842	596	345	198	110	56
3.Hrs	3401	2824	2267	1701	1348	933
4.WarBabies	1887	1718	1485	1234	1120	907
5.Early BabyBoomers	2520	2394	2173	1864	1768	1582
6.Mid BabyBoomers	3030	2805	2652	2165	2124	1879
7.Late BabyBoomers	815	782	2715	2238	2064	1793
8.Early Generation X	208	203	720	561	517	964

How Constructed

HACOHORT identifies the cohort in which the household was originally sampled. RACOHBYR identifies the cohort a Respondent fits into based on birth year.

There are eight birth year cohorts in the HRS: 1) AHEAD, born before 1924; 2) the Children of Depression (CODA), born 1924-1930; 3) HRS, born 1931-1941; 4) War Babies (WB), born 1942-1947; 5) Early Baby Boomers (EBB), born 1948-1953; 6) Mid Baby Boomers (MBB), born 1954-1959; 7) Late Baby Boomers (LBB), born 1960-1965; and 8) Early Generation X (EGENX), born 1966-1971. The HRS sample was interviewed separately in 1992, 1994, and 1996. The AHEAD sample was interviewed separately in 1993 and 1995. The two studies were merged and the CODA and WB cohorts added in 1998. The EBB cohort was added in 2004. The MBB cohort was added in 2010. The LBB cohort was added in 2016. The EGENX cohort was added in 2022.

HACOHORT does not necessarily reflect a birth year range, but indicates when and how the household entered the study. The RACOHBYR variable indicates which cohort a person falls into based on birth year. In this version of the RAND HRS Longitudinal File, all entry cohorts - HRS, AHEAD, CODA, WB, EBB, MBB, LBB, and EGENX - are included.

HACOHORT is assigned based on both response patterns and variables in the raw data that identify the cohort. HRS/AHEAD Overlap cases are identified as a separate category of their own. Please see the RAOVRLAP variable description for more information on these cases.

RACOHBYR is assigned based on RABYEAR. Those with birth years before 1924 are set to the AHEAD cohort, 1924-1930 are set to the CODA cohort, 1931-1941 are set to the HRS cohort, 1942-1947 are set to the WB cohort, 1948-1953 are set to the EBB cohort, 1954-1959 are set to the MBB cohort, 1960-1965 are set to the LBB cohort, and 1966-1971 are set to the EGENX cohort. If birth year is missing, then RACOHBYR is missing. If birth year is after 1971, then RACOHBYR is set to zero.

SwCOHBYR is taken from the Wave "w" spouse's value for RACOHBYR, i.e., based on the spouse's birth year.

See also RAHRSAMP, which identifies age-eligible members of the HRS cohort (HACOHORT=3 and RACOHBYR=3) who responded to HRS 1992, and RAAHDSMP, which identifies age-eligible members of the AHEAD cohort (HACOHORT=1 and RACOHBYR=1) who responded to AHEAD 1993.

NOTE: At least one Respondent in a household should have a birth year appropriate for the cohort (though this is not always the case), but spouses may not. From the HRS documentation on the weights, it appears that weights were assigned based on birth year, regardless of how a person entered the sample, beginning in 1998.

HRS Variables Used

```
HRS 1998:
    F461            PRELOAD COHORT
HRS 2000:
    G482            CS0Y9.PRELOAD ENTRY COHORT
HRS 2002-2022:
    xZ023           WHICH COHORT
Tracker:
    HHID                HOUSEHOLD IDENTIFIER
    OVHHID              OVERLAP CASE: OLD HHID
    PN                  PERSON NUMBER
```

Whether Eligible for the HRS Sample

Wave	Variable Name	Variable Label	Type
1	RAHRSAMP	RAHRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
1	S1HRSAMP	S1HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
2	S2HRSAMP	S2HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
3	S3HRSAMP	S3HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
4	S4HRSAMP	S4HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
5	S5HRSAMP	S5HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
6	S6HRSAMP	S6HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
7	S7HRSAMP	S7HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
8	S8HRSAMP	S8HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
9	S9HRSAMP	S9HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
10	S10HRSAMP	S10HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
11	S11HRSAMP	S11HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
12	S12HRSAMP	S12HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
13	S13HRSAMP	S13HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
14	S14HRSAMP	S14HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
15	S15HRSAMP	S15HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
16	S16HRSAMP	S16HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
1	RAAHDSMP	RAAHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
1	S1AHDSMP	S1AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
2	S2AHDSMP	S2AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
3	S3AHDSMP	S3AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
4	S4AHDSMP	S4AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
5	S5AHDSMP	S5AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
6	S6AHDSMP	S6AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
7	S7AHDSMP	S7AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
8	S8AHDSMP	S8AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
9	S9AHDSMP	S9AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
10	S10AHDSMP	S10AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
11	S11AHDSMP	S11AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
12	S12AHDSMP	S12AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
13	S13AHDSMP	S13AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
14	S14AHDSMP	S14AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
15	S15AHDSMP	S15AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
16	S16AHDSMP	S16AHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAHRSAMP	45165	0.22	0.41	0.0	1.0
S1HRSAMP	10279	0.69	0.46	0.0	1.0
S2HRSAMP	13610	0.47	0.50	0.0	1.0
S3HRSAMP	12269	0.49	0.50	0.0	1.0
S4HRSAMP	14454	0.39	0.49	0.0	1.0
S5HRSAMP	13007	0.40	0.49	0.0	1.0
S6HRSAMP	11822	0.42	0.49	0.0	1.0
S7HRSAMP	13307	0.35	0.48	0.0	1.0
S8HRSAMP	12002	0.35	0.48	0.0	1.0
S9HRSAMP	10953	0.35	0.48	0.0	1.0
S10HRSAMP	14145	0.24	0.43	0.0	1.0
S11HRSAMP	12986	0.24	0.43	0.0	1.0
S12HRSAMP	11521	0.22	0.42	0.0	1.0
S13HRSAMP	12688	0.16	0.37	0.0	1.0
S14HRSAMP	10267	0.15	0.36	0.0	1.0

S15HRSAMP	9367	0.13	0.34	0.0	1.0
S16HRSAMP	8986	0.09	0.29	0.0	1.0
RAAHDSMP	45165	0.16	0.37	0.0	1.0
S1AHDSMP	10279	0.01	0.07	0.0	1.0
S2AHDSMP	13610	0.26	0.44	0.0	1.0
S3AHDSMP	12269	0.24	0.43	0.0	1.0
S4AHDSMP	14454	0.15	0.36	0.0	1.0
S5AHDSMP	13007	0.13	0.33	0.0	1.0
S6AHDSMP	11822	0.10	0.30	0.0	1.0
S7AHDSMP	13307	0.06	0.25	0.0	1.0
S8AHDSMP	12002	0.05	0.22	0.0	1.0
S9AHDSMP	10953	0.04	0.19	0.0	1.0
S10AHDSMP	14145	0.02	0.12	0.0	1.0
S11AHDSMP	12986	0.01	0.10	0.0	1.0
S12AHDSMP	11521	0.01	0.08	0.0	1.0
S13AHDSMP	12688	0.00	0.04	0.0	1.0
S14AHDSMP	10267	0.00	0.03	0.0	1.0
S15AHDSMP	9367	0.00	0.01	0.0	1.0
S16AHDSMP	8986	0.00	0.00	0.0	0.0

Categorical Variable Codes

RAHRSAMP: HRS Sample-Age Elig/Hrs92 Resp

Value	
0.Not in Sample	35408
1.In Samp,Hrs92 Resp b.1931	9757

SwHRSAMP: HRS Sample-Age Elig/Hrs92 Resp

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		64	65	62	34	37	45	50	58	92
0.Not in Sample	3171	7235	6261	8826	7765	6909	8687	7789	7080	10716
1.In Samp,Hrs92 Resp b.1931	7108	6375	6008	5628	5242	4913	4620	4213	3873	3429

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	95	101	200	195	154	254
0.Not in Sample	9910	8961	10630	8720	8147	8153
1.In Samp,Hrs92 Resp b.1931	3076	2560	2058	1547	1220	833

RAAHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp

Value	
0.Not in Sample	37723
1.In Sample,Ahd93 Resp b.be	7442

SwAHDSMP: AHEAD Sample-Age Elig/Ahd93 Resp

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		64	65	62	34	37	45	50	58	92
0.Not in Sample	10226	10028	9357	12240	11353	10627	12443	11403	10544	13926
1.In Sample,Ahd93 Resp b.be	53	3582	2912	2214	1654	1195	864	599	409	219

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	95	101	200	195	154	254
0.Not in Sample	12857	11451	12663	10258	9366	8986
1.In Sample,Ahd93 Resp b.be	129	70	25	9	1	

How Constructed

These files contain observations for any individual who responded to any of the HRS or AHEAD waves, regardless of birth year.

RAHRSAMP identifies HRS-eligible individuals defined as those who are age-eligible and responded to Wave 1. HRS age-eligible individuals are those born from 1931 to 1941, according to RABDATE. A "1" indicates that the individual is HRS-eligible, and a "0" indicates that they are not. The spouses of individuals in this sample may or may not be in the sample as well.

RAAHDSMP identifies AHEAD-eligible individuals defined as those who are age-eligible and responded to Wave 2A. AHEAD age-eligible individuals are those born prior to 1924, according to RABDATE. A "1" indicates that the individual is AHEAD-eligible, and a "0" indicates that they are not. The spouses of individuals in this sample may or may not be in the sample as well.

The SwHRSAMP and SwAHDSMP variables indicate whether the Wave "w" spouse or partner is also in these files as a Respondent, i.e., whether the spouse is HRS or AHEAD age-eligible and responded to Wave 1 or Wave 2A, respectively. A "1" indicates that the spouse is in the sample, and a "0" indicates that they are not.

See also HACOHORT, which identifies how the household entered the study, regardless of Respondent age, and RACOHBYR, which identifies which cohort a Respondent fits into based on birth year.

Design Variables: Stratum and Sampling Error Computation Unit (SECU)

Wave	Variable Name	Variable Label	Type
1	RASTRATUM	RASTRATUM: Stratum	Cont
1	RASECU	RASECU: Sampling Error Computation Unit	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RASTRATUM	45165	36.04	23.73	1.0	99.0
RASECU	45165	7.23	22.96	1.0	99.0

How Constructed

RASTRATUM and RASECU are taken directly from the Tracker variables STRATUM and SECU, respectively. These variables identify the stratum and half-sample respectively that can be used in calculating sampling error. They are described in the Tracker file documentation, and in Using Health and Retirement Study Data: A Guide for New Users under the "Weighting and Complex Variance Estimation" section of Chapter 8: Applying Weights in Analyses.

HRS Variables Used

Tracker:

SECU	SAMPLING ERROR COMPUTATION UNIT
STRATUM	STRATUM ID

Household Analysis Weight

Wave	Variable Name	Variable Label	Type
1	R1WTHH	R1WTHH:W1 Household Analysis Weight	Cont
2	R2WTHH	R2WTHH:W2 Household Analysis Weight	Cont
3	R3WTHH	R3WTHH:W3 Household Analysis Weight	Cont
4	R4WTHH	R4WTHH:W4 Household Analysis Weight	Cont
5	R5WTHH	R5WTHH:W5 Household Analysis Weight	Cont
6	R6WTHH	R6WTHH:W6 Household Analysis Weight	Cont
7	R7WTHH	R7WTHH:W7 Household Analysis Weight	Cont
8	R8WTHH	R8WTHH:W8 Household Analysis Weight	Cont
9	R9WTHH	R9WTHH:W9 Household Analysis Weight	Cont
10	R10WTHH	R10WTHH:W10 Household Analysis Weight	Cont
11	R11WTHH	R11WTHH:W11 Household Analysis Weight	Cont
12	R12WTHH	R12WTHH:W12 Household Analysis Weight	Cont
13	R13WTHH	R13WTHH:W13 Household Analysis Weight	Cont
14	R14WTHH	R14WTHH:W14 Household Analysis Weight	Cont
15	R15WTHH	R15WTHH:W15 Household Analysis Weight	Cont
16	R16WTHH	R16WTHH:W16 Household Analysis Weight	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1WTHH	12652	2408.41	1052.21	0.0	7380.0
R2WTHH	19642	2710.33	1200.69	0.0	10003.0
R3WTHH	17991	2792.74	1315.28	0.0	11557.0
R4WTHH	21384	3238.12	1911.60	0.0	13512.0
R5WTHH	19578	3386.74	2125.01	0.0	25973.0
R6WTHH	18165	3562.30	2222.33	0.0	13193.0
R7WTHH	20129	3918.32	2580.83	0.0	13146.0
R8WTHH	18469	4093.87	2801.06	0.0	14375.0
R9WTHH	17217	4158.92	2870.62	0.0	13209.0
R10WTHH	22034	4215.08	3447.82	0.0	17462.0
R11WTHH	20554	4338.55	3654.94	0.0	17875.0
R12WTHH	18747	4502.05	3827.62	0.0	18460.0
R13WTHH	20912	4790.36	4453.60	0.0	22500.0
R14WTHH	17146	5618.96	5276.83	0.0	25879.0
R15WTHH	15723	5950.90	5530.79	0.0	28222.0
R16WTHH	13128	6724.17	6310.76	0.0	32121.0

General Comments

Weights are available for Wave 16 (2022) for all cohorts except for the new cohort, Early Generation X (EGENX). Users should take this caveat into account when using the Wave 16 weights. For the EGENX cohort (HACOHORT=8), R16WTHH = .M.

How Constructed

The household weights are taken directly from the Tracker file.

In 2010 HRS updated the household weight variables, due to a change in the CPS weights, and in part due to a calculation error.

An HRS analysis shows that these revisions do not substantially alter the weights, and do not significantly affect weighted distributions of key variables. Analyses done with the earlier versions of sampling weights should not in general require revision. Some possible exceptions include analyses that present population estimates (counts or percentages) for the 1995 AHEAD cohort or for the EBB non-minority (White/other) sample. Analyses that compare the EBB non-minority cohort to other subgroups may also be affected by the new weights. The full report can be found on the HRS website in the data description for the tracker file.

ACS, the primary data source for HRS post-stratification since 2004, started counting residents of most group quarters, which include nursing homes, and providing person weights beginning in 2006. This allows HRS to use ACS to post-stratify both community residents and nursing home residents in one step. Therefore, starting 2016, HRS post-stratifies community-dwelling respondents using the ACS 1-year Public Use Micro Sample (PUMS) data from the year corresponding to the survey year. Because ACS PUMS does not include nursing home as a separate category, the nursing home resident post-stratification uses the ACS 5-year Summary File (SF) and intercensal estimates of nursing home residents. Consistent with past years, households where the only member or households where both members were in nursing homes are assigned zero values for the household weight. The full report can be found on the HRS website in the data description for the Tracker file.

Cross Wave Differences in Original HRS Data

The household weights on the Tracker file are based on WGTBYR, which may differ from the Respondent's BIRTHYR used as the basis for birth year derived on these files. If the WGTBYR for someone in the HRS cohort sample (see HACOHORT) is outside of 1931-1941 or missing for all Respondents in a household, then the household may have a zero weight in W1, but still be HRS eligible (someone born 1931-1941) according to the household member's BIRTHYR. The same is also true for the AHEAD sample, the only difference being that these individuals were born prior to 1924. WGTBYR was provided as a variable on Tracker V2.0 but is not included in the current file. Other variables are available on the current Tracker which may help analysts determine why weights are not as expected. They are xWHY0WGT (where "x" is A through H depending on the interview year, available 1992-2002), xWHY0HWT (beginning in 2004), and WTCOHORT, which gives the birth cohort used for calculating weights.

The weights are structured to match the CPS from 1992-2002 and the ACS from 2004 forward, which includes living, non-institutionalized Respondents. A household where the only or both Respondents are institutionalized at the time of the interview (e.g., living in a nursing home) will have zero household weights for that wave.

HRS Respondents who were given to the AHEAD study (overlap households) are assigned a weight of zero for HRS Wave 1.

Thus, there are cases where Respondents in a given wave have zero household weight for the wave on these files.

Note also that in HRS 1998, the AHEAD and HRS cohorts are combined, and the CODA and WB cohorts are added. The weights derived for waves from 1998 forward used Respondents from ALL cohorts (age-eligible for the entry cohort or not) to match the CPS/ACS-reported population sums. This means that some of the weight for the HRS birth year entry cohort is assigned to Respondents in other cohorts who happen to have been born 1931-1941, and some of the weight assigned to HRS birth year entry cohort Respondents outside the 1931-1941 range, accounts for some of the weight for other birth year entry cohorts.

HRS Variables Used

```
Tracker:
    xWGTHH              1992-2022 WEIGHT: HOUSEHOLD-LEVEL
```

Person-Level Analysis Weight

Wave	Variable Name	Variable Label	Type
1	R1WTRESP	R1WTRESP:W1 Person-Level Analysis Weight	Cont
2	R2WTRESP	R2WTRESP:W2 Person-Level Analysis Weight	Cont
3	R3WTRESP	R3WTRESP:W3 Person-Level Analysis Weight	Cont
4	R4WTRESP	R4WTRESP:W4 Person-Level Analysis Weight	Cont
5	R5WTRESP	R5WTRESP:W5 Person-Level Analysis Weight	Cont
6	R6WTRESP	R6WTRESP:W6 Person-Level Analysis Weight	Cont
7	R7WTRESP	R7WTRESP:W7 Person-Level Analysis Weight	Cont
8	R8WTRESP	R8WTRESP:W8 Person-Level Analysis Weight	Cont
9	R9WTRESP	R9WTRESP:W9 Person-Level Analysis Weight	Cont
10	R10WTRESP	R10WTRESP:W10 Person-Level Analysis Weight	Cont
11	R11WTRESP	R11WTRESP:W11 Person-Level Analysis Weight	Cont
12	R12WTRESP	R12WTRESP:W12 Person-Level Analysis Weight	Cont
13	R13WTRESP	R13WTRESP:W13 Person-Level Analysis Weight	Cont
14	R14WTRESP	R14WTRESP:W14 Person-Level Analysis Weight	Cont
15	R15WTRESP	R15WTRESP:W15 Person-Level Analysis Weight	Cont
16	R16WTRESP	R16WTRESP:W16 Person-Level Analysis Weight	Cont
1	S1WTRESP	S1WTRESP:W1 Person-Level Analysis Weight	Cont
2	S2WTRESP	S2WTRESP:W2 Person-Level Analysis Weight	Cont
3	S3WTRESP	S3WTRESP:W3 Person-Level Analysis Weight	Cont
4	S4WTRESP	S4WTRESP:W4 Person-Level Analysis Weight	Cont
5	S5WTRESP	S5WTRESP:W5 Person-Level Analysis Weight	Cont
6	S6WTRESP	S6WTRESP:W6 Person-Level Analysis Weight	Cont
7	S7WTRESP	S7WTRESP:W7 Person-Level Analysis Weight	Cont
8	S8WTRESP	S8WTRESP:W8 Person-Level Analysis Weight	Cont
9	S9WTRESP	S9WTRESP:W9 Person-Level Analysis Weight	Cont
10	S10WTRESP	S10WTRESP:W10 Person-Level Analysis Weight	Cont
11	S11WTRESP	S11WTRESP:W11 Person-Level Analysis Weight	Cont
12	S12WTRESP	S12WTRESP:W12 Person-Level Analysis Weight	Cont
13	S13WTRESP	S13WTRESP:W13 Person-Level Analysis Weight	Cont
14	S14WTRESP	S14WTRESP:W14 Person-Level Analysis Weight	Cont
15	S15WTRESP	S15WTRESP:W15 Person-Level Analysis Weight	Cont
16	S16WTRESP	S16WTRESP:W16 Person-Level Analysis Weight	Cont
5	R5WTR_NH	R5WTR_NH:W5 NursHm Resident Analysis Weight	Cont
6	R6WTR_NH	R6WTR_NH:W6 NursHm Resident Analysis Weight	Cont
7	R7WTR_NH	R7WTR_NH:W7 NursHm Resident Analysis Weight	Cont
8	R8WTR_NH	R8WTR_NH:W8 NursHm Resident Analysis Weight	Cont
9	R9WTR_NH	R9WTR_NH:W9 NursHm Resident Analysis Weight	Cont
10	R10WTR_NH	R10WTR_NH:W10 NursHm Resident Analysis Weight	Cont
11	R11WTR_NH	R11WTR_NH:W11 NursHm Resident Analysis Weight	Cont
12	R12WTR_NH	R12WTR_NH:W12 NursHm Resident Analysis Weight	Cont
13	R13WTR_NH	R13WTR_NH:W13 NursHm Resident Analysis Weight	Cont
14	R14WTR_NH	R14WTR_NH:W14 NursHm Resident Analysis Weight	Cont
15	R15WTR_NH	R15WTR_NH:W15 NursHm Resident Analysis Weight	Cont
16	R16WTR_NH	R16WTR_NH:W16 NursHm Resident Analysis Weight	Cont
5	S5WTR_NH	S5WTR_NH:W5 NursHm Resident Analysis Weight	Cont
6	S6WTR_NH	S6WTR_NH:W6 NursHm Resident Analysis Weight	Cont
7	S7WTR_NH	S7WTR_NH:W7 NursHm Resident Analysis Weight	Cont
8	S8WTR_NH	S8WTR_NH:W8 NursHm Resident Analysis Weight	Cont
9	S9WTR_NH	S9WTR_NH:W9 NursHm Resident Analysis Weight	Cont
10	S10WTR_NH	S10WTR_NH:W10 NursHm Resident Analysis Weight	Cont
11	S11WTR_NH	S11WTR_NH:W11 NursHm Resident Analysis Weight	Cont
12	S12WTR_NH	S12WTR_NH:W12 NursHm Resident Analysis Weight	Cont
13	S13WTR_NH	S13WTR_NH:W13 NursHm Resident Analysis Weight	Cont
14	S14WTR_NH	S14WTR_NH:W14 NursHm Resident Analysis Weight	Cont
15	S15WTR_NH	S15WTR_NH:W15 NursHm Resident Analysis Weight	Cont
16	S16WTR_NH	S16WTR_NH:W16 NursHm Resident Analysis Weight	Cont
1	R1WTCRNH	R1WTCRNH:W1 Combined Respondent weight and NursHm Resident weight	Cont
2	R2WTCRNH	R2WTCRNH:W2 Combined Respondent weight and NursHm Resident weight	Cont
3	R3WTCRNH	R3WTCRNH:W3 Combined Respondent weight and NursHm Resident weight	Cont
4	R4WTCRNH	R4WTCRNH:W4 Combined Respondent weight and NursHm Resident weight	Cont
5	R5WTCRNH	R5WTCRNH:W5 Combined Respondent weight and NursHm Resident weight	Cont
6	R6WTCRNH	R6WTCRNH:W6 Combined Respondent weight and NursHm Resident weight	Cont

7	R7WTCRNH	R7WTCRNH:W7 Combined Respondent weight and NursHm Resident weight	Cont
8	R8WTCRNH	R8WTCRNH:W8 Combined Respondent weight and NursHm Resident weight	Cont
9	R9WTCRNH	R9WTCRNH:W9 Combined Respondent weight and NursHm Resident weight	Cont
10	R10WTCRNH	R10WTCRNH:W10 Combined Respondent weight and NursHm Resident weight	Cont
11	R11WTCRNH	R11WTCRNH:W11 Combined Respondent weight and NursHm Resident weight	Cont
12	R12WTCRNH	R12WTCRNH:W12 Combined Respondent weight and NursHm Resident weight	Cont
13	R13WTCRNH	R13WTCRNH:W13 Combined Respondent weight and NursHm Resident weight	Cont
14	R14WTCRNH	R14WTCRNH:W14 Combined Respondent weight and NursHm Resident weight	Cont
15	R15WTCRNH	R15WTCRNH:W15 Combined Respondent weight and NursHm Resident weight	Cont
16	R16WTCRNH	R16WTCRNH:W16 Combined Respondent weight and NursHm Resident weight	Cont
1	S1WTCRNH	S1WTCRNH:W1 Combined Respondent weight and NursHm Resident weight	Cont
2	S2WTCRNH	S2WTCRNH:W2 Combined Respondent weight and NursHm Resident weight	Cont
3	S3WTCRNH	S3WTCRNH:W3 Combined Respondent weight and NursHm Resident weight	Cont
4	S4WTCRNH	S4WTCRNH:W4 Combined Respondent weight and NursHm Resident weight	Cont
5	S5WTCRNH	S5WTCRNH:W5 Combined Respondent weight and NursHm Resident weight	Cont
6	S6WTCRNH	S6WTCRNH:W6 Combined Respondent weight and NursHm Resident weight	Cont
7	S7WTCRNH	S7WTCRNH:W7 Combined Respondent weight and NursHm Resident weight	Cont
8	S8WTCRNH	S8WTCRNH:W8 Combined Respondent weight and NursHm Resident weight	Cont
9	S9WTCRNH	S9WTCRNH:W9 Combined Respondent weight and NursHm Resident weight	Cont
10	S10WTCRNH	S10WTCRNH:W10 Combined Respondent weight and NursHm Resident weight	Cont
11	S11WTCRNH	S11WTCRNH:W11 Combined Respondent weight and NursHm Resident weight	Cont
12	S12WTCRNH	S12WTCRNH:W12 Combined Respondent weight and NursHm Resident weight	Cont
13	S13WTCRNH	S13WTCRNH:W13 Combined Respondent weight and NursHm Resident weight	Cont
14	S14WTCRNH	S14WTCRNH:W14 Combined Respondent weight and NursHm Resident weight	Cont
15	S15WTCRNH	S15WTCRNH:W15 Combined Respondent weight and NursHm Resident weight	Cont
16	S16WTCRNH	S16WTCRNH:W16 Combined Respondent weight and NursHm Resident weight	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1WTRESP	12652	1939.03	1378.59	0.0	7710.0
R2WTRESP	19642	2346.18	1503.49	0.0	10956.0
R3WTRESP	17991	2367.79	1604.28	0.0	13795.0
R4WTRESP	21384	3189.06	1972.98	0.0	16153.0
R5WTRESP	19578	3288.72	2149.89	0.0	27408.0
R6WTRESP	18165	3415.77	2241.68	0.0	19101.0
R7WTRESP	20129	3985.39	2834.74	0.0	16170.0
R8WTRESP	18469	4154.28	3019.87	0.0	17035.0
R9WTRESP	17217	4220.44	3113.39	0.0	16558.0
R10WTRESP	22034	4304.30	3734.48	0.0	19408.0
R11WTRESP	20554	4412.71	3923.57	0.0	19866.0
R12WTRESP	18747	4614.81	4147.64	0.0	20368.0
R13WTRESP	20912	5185.76	5136.16	0.0	48732.0
R14WTRESP	17146	6044.18	5983.00	0.0	57895.0
R15WTRESP	15723	6263.13	6223.17	0.0	52528.0
R16WTRESP	13128	7035.28	7161.60	0.0	65537.0
S1WTRESP	9900	1830.30	1419.98	0.0	7710.0
S2WTRESP	13090	2186.13	1589.97	0.0	10956.0
S3WTRESP	11917	2187.42	1636.59	0.0	13795.0
S4WTRESP	13980	3068.72	1884.20	0.0	16153.0
S5WTRESP	12730	3202.42	2023.21	0.0	12159.0
S6WTRESP	11639	3367.77	2220.86	0.0	19101.0
S7WTRESP	12972	4033.28	2869.39	0.0	16170.0
S8WTRESP	11735	4243.69	3075.27	0.0	17035.0
S9WTRESP	10646	4333.94	3211.33	0.0	16558.0
S10WTRESP	13513	4384.00	3745.25	0.0	19408.0
S11WTRESP	12484	4508.53	3953.84	0.0	19866.0
S12WTRESP	11012	4783.38	4225.35	0.0	20368.0

S13WTRESP	11779	5466.56	5253.39	0.0	42687.0
S14WTRESP	9358	6482.02	6267.99	0.0	47313.0
S15WTRESP	8477	6780.50	6543.36	0.0	50738.0
S16WTRESP	6708	7832.03	7807.02	0.0	65340.0
R5WTR_NH	19578	84.46	612.27	0.0	9498.0
R6WTR_NH	18165	89.55	624.88	0.0	11127.0
R7WTR_NH	20129	78.25	578.51	0.0	10138.0
R8WTR_NH	18469	81.93	586.14	0.0	12630.0
R9WTR_NH	17217	83.44	578.26	0.0	12516.0
R10WTR_NH	22034	62.55	491.55	0.0	11755.0
R11WTR_NH	20554	66.62	499.09	0.0	9642.0
R12WTR_NH	18747	73.93	557.31	0.0	11367.0
R13WTR_NH	20912	67.45	704.72	0.0	33472.0
R14WTR_NH	17146	81.13	1025.49	0.0	49455.0
R15WTR_NH	15723	83.85	1257.60	0.0	66567.0
R16WTR_NH	14318	105.22	1427.24	0.0	51885.0
S5WTR_NH	12730	27.71	369.94	0.0	9498.0
S6WTR_NH	11639	27.31	377.44	0.0	11127.0
S7WTR_NH	12972	22.13	317.95	0.0	10138.0
S8WTR_NH	11735	24.09	310.72	0.0	10270.0
S9WTR_NH	10646	23.65	310.21	0.0	12516.0
S10WTR_NH	13513	24.24	307.57	0.0	9018.0
S11WTR_NH	12484	23.74	312.20	0.0	9642.0
S12WTR_NH	11012	25.36	349.21	0.0	11367.0
S13WTR_NH	11779	26.64	456.93	0.0	19444.0
S14WTR_NH	9358	49.27	986.49	0.0	49455.0
S15WTR_NH	8477	41.81	881.52	0.0	43736.0
S16WTR_NH	7188	39.73	885.96	0.0	37827.0
R1WTCRNH	12652	1939.03	1378.59	0.0	7710.0
R2WTCRNH	19642	2346.18	1503.49	0.0	10956.0
R3WTCRNH	17991	2367.79	1604.28	0.0	13795.0
R4WTCRNH	21384	3189.06	1972.98	0.0	16153.0
R5WTCRNH	19578	3373.18	2107.45	0.0	27408.0
R6WTCRNH	18165	3505.32	2191.75	0.0	19101.0
R7WTCRNH	20129	4063.64	2783.29	0.0	16170.0
R8WTCRNH	18469	4236.21	2963.52	0.0	17035.0
R9WTCRNH	17217	4303.88	3053.39	0.0	16558.0
R10WTCRNH	22034	4366.85	3694.52	0.0	19408.0
R11WTCRNH	20554	4479.33	3880.14	0.0	19866.0
R12WTCRNH	18747	4688.75	4102.58	0.0	20368.0
R13WTCRNH	20912	5253.21	5116.36	0.0	48732.0
R14WTCRNH	17146	6125.32	5988.91	0.0	57895.0
R15WTCRNH	15723	6346.99	6265.69	0.0	66567.0
R16WTCRNH	13128	7150.04	7203.76	0.0	65537.0
S1WTCRNH	9900	1830.30	1419.98	0.0	7710.0
S2WTCRNH	13090	2186.13	1589.97	0.0	10956.0
S3WTCRNH	11917	2187.42	1636.59	0.0	13795.0
S4WTCRNH	13980	3068.72	1884.20	0.0	16153.0
S5WTCRNH	12730	3230.12	2013.15	0.0	12159.0
S6WTCRNH	11639	3395.08	2211.49	0.0	19101.0
S7WTCRNH	12972	4055.41	2855.85	0.0	16170.0
S8WTCRNH	11735	4267.78	3057.67	0.0	17035.0
S9WTCRNH	10646	4357.60	3194.34	0.0	16558.0
S10WTCRNH	13513	4408.25	3729.46	0.0	19408.0
S11WTCRNH	12484	4532.27	3939.06	0.0	19866.0

S12WTCRNH	11012	4808.75	4211.04	0.0	20368.0
S13WTCRNH	11779	5493.20	5245.53	0.0	42687.0
S14WTCRNH	9358	6531.30	6294.60	0.0	49455.0
S15WTCRNH	8477	6822.31	6559.40	0.0	50738.0
S16WTCRNH	6708	7874.60	7818.16	0.0	65340.0

General Comments

Weights are available for Wave 16 (2022) for all cohorts except for the new cohort, Early Generation X (EGENX). Users should take this caveat into account when using the Wave 16 weights. For the EGENX cohort (HACOHORT=8), R16WTRESP = .M, R16WTR_NH = .M, and R16WTCRNH = .M.

How Constructed

The person-level weights are taken directly from the Tracker file and assigned to RwWTRESP. The person-level weights apply to those residing in the community, so are zero for those living in a nursing home.

From Wave 5, HRS provides weights for individuals living in a nursing home. These weights are provided in RwWTR_NH. For those not living in a nursing home, these weights are zero.

RwWTCRNH is the person-level weight and the nursing home weight combined. From Wave 1 to 4, there is no nursing home weight so RwWTCRNH equals RwWTRESP.

From Wave 5, for those not living in a nursing home, RwWTCRNH equals RwWTRESP and for those living in a nursing home, RwWTCRNH equals RwWTR_NH.

The spouse's person-level weight is taken from the Wave "w" spouse's variable, i.e., from the Wave "w" spouse's RwWTRESP, RwWTR_NH or RwWTCRNH.

In 2010 HRS updated the weight variables, due to a change in the CPS weights, and in part due to a calculation error.

An HRS analysis shows that these revisions do not substantially alter the weights, and do not significantly affect weighted distributions of key variables. Analyses done with the earlier versions of sampling weights should not, in general, require revision. Some possible exceptions include analyses that present population estimates (counts or percentages) for the 1995 AHEAD cohort, or for the EBB non-minority (White/other) sample. Analyses that compare the EBB non-minority cohort to other subgroups may also be affected by the new weights. The full report can be found on the HRS website in the data description for the Tracker file.

Cross Wave Differences in Original HRS Data

The standard HRS weights are structured to match the CPS from 1992-2002 and the ACS from 2004 forward, which includes living, non-institutionalized Respondents. HRS sets these person-level weights to zero for those not age-eligible, living outside the U.S., or living in a nursing home. From 2000, HRS provides separate person-level weights for nursing home residents. From 2016, HRS post-stratifies community-dwelling respondents using the ACS 1-year Public Use Micro Sample (PUMS) data from the year corresponding to the survey year. Because ACS PUMS does not include nursing home as a separate category, the nursing home resident post-stratification uses the ACS 5-year Summary File (SF) and intercensal estimates of nursing home residents.

The person-level weights on the Tracker file are based on WGTBYR which differ from the Respondent's BIRTHYR used as the basis for birth year derived on these files. If the WGTBYR for someone in the HRS cohort sample (see HACOHORT) is outside of 1931-1941 or missing, then a Respondent may have a zero weight in W1, but still be HRS eligible (someone born 1931-1941) according to BIRTHYR. The same is also true for the AHEAD sample, the only difference being that these individuals were born

prior to 1924. WGTBYR was provided as a variable on Tracker V2.0, but has not been included on more recent versions of Tracker. Other variables available on more recent versions of Tracker may help analysts determine why weights are not as expected. They are xWHY0WGT (where "x" is A through H depending on the interview year, available 1992-2002), xWHY0RWT (beginning in 2004), and WTCOHORT, which gives the birth cohort used for calculating weights.

A Respondent who is institutionalized, e.g., in a nursing home, at the time of the interview will have a zero person-level weight for that wave.

HRS Respondents who were given to the AHEAD study (overlap households) are assigned a weight of zero for HRS Wave 1.

Thus, there are cases where Respondents in a given wave have a zero person-level weight for the wave on these files.

Note also that in HRS 1998 the AHEAD and HRS cohorts are combined, and the CODA and WB cohorts are added. The weights derived for waves from 1998 forward used Respondents from ALL cohorts (age-eligible for the entry cohort or not) to match the CPS/ACS-reported population sums. This means that some of the weight for the HRS birth year entry cohort is assigned to Respondents in other cohorts who happen to have been born 1931-1941, and some of the weight assigned to HRS birth year entry cohort Respondents outside the 1931-1941 range, accounts for some of the weight for other birth year entry cohorts.

HRS Variables Used

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Tracker:
    xWGTR               1992-2022 WEIGHT: RESPONDENT-LEVEL
    xWGTRNH             2000-2022 WEIGHT: NURSING HOME RESIDENT
```

Number of Household Respondents

Wave	Variable Name	Variable Label	Type
1	H1HHRESP	H1HHRESP:W1 # core respondents in HH	Cont
2	H2HHRESP	H2HHRESP:W2 # core respondents in HH	Cont
3	H3HHRESP	H3HHRESP:W3 # core respondents in HH	Cont
4	H4HHRESP	H4HHRESP:W4 # core respondents in HH	Cont
5	H5HHRESP	H5HHRESP:W5 # core respondents in HH	Cont
6	H6HHRESP	H6HHRESP:W6 # core respondents in HH	Cont
7	H7HHRESP	H7HHRESP:W7 # core respondents in HH	Cont
8	H8HHRESP	H8HHRESP:W8 # core respondents in HH	Cont
9	H9HHRESP	H9HHRESP:W9 # core respondents in HH	Cont
10	H10HHRESP	H10HHRESP:W10 # core respondents in HH	Cont
11	H11HHRESP	H11HHRESP:W11 # core respondents in HH	Cont
12	H12HHRESP	H12HHRESP:W12 # core respondents in HH	Cont
13	H13HHRESP	H13HHRESP:W13 # core respondents in HH	Cont
14	H14HHRESP	H14HHRESP:W14 # core respondents in HH	Cont
15	H15HHRESP	H15HHRESP:W15 # core respondents in HH	Cont
16	H16HHRESP	H16HHRESP:W16 # core respondents in HH	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
H1HHRESP	12652	1.78	0.41	1.0	2.0
H2HHRESP	19642	1.67	0.47	1.0	2.0
H3HHRESP	17991	1.66	0.47	1.0	2.0
H4HHRESP	21384	1.65	0.48	1.0	2.0
H5HHRESP	19578	1.65	0.48	1.0	2.0
H6HHRESP	18165	1.64	0.48	1.0	2.0
H7HHRESP	20129	1.64	0.48	1.0	2.0
H8HHRESP	18469	1.64	0.48	1.0	2.0
H9HHRESP	17217	1.62	0.49	1.0	2.0
H10HHRESP	22034	1.61	0.49	1.0	2.0
H11HHRESP	20554	1.61	0.49	1.0	2.0
H12HHRESP	18747	1.59	0.49	1.0	2.0
H13HHRESP	20912	1.56	0.50	1.0	2.0
H14HHRESP	17146	1.55	0.50	1.0	2.0
H15HHRESP	15723	1.54	0.50	1.0	2.0
H16HHRESP	15787	1.50	0.50	1.0	2.0

How Constructed

HwHHRESP is the number of individuals in the household who actually responded at each wave. It counts the Respondent and spouse, if any, and if the spouse responded, takes on a value of 1 or 2. Individuals with a value greater than zero for INWw are counted by wave-specific household, i.e., by a sub-household ID, which is included in HwHHID.

The value is missing if an individual did not respond in Wave "w." Thus, HwHHRESP is simply an indicator of whether the individual is the only Respondent in the household or not.

HRS Variables Used

Tracker:

HHID	HOUSEHOLD IDENTIFIER
xSUBHH	1992-2022 SUB-HOUSEHOLD IDENTIFIER

Whether Couple Household

Wave	Variable Name	Variable Label	Type
1	H1CPL	H1CPL:W1 Whether couple HHold	Categ
2	H2CPL	H2CPL:W2 Whether couple HHold	Categ
3	H3CPL	H3CPL:W3 Whether couple HHold	Categ
4	H4CPL	H4CPL:W4 Whether couple HHold	Categ
5	H5CPL	H5CPL:W5 Whether couple HHold	Categ
6	H6CPL	H6CPL:W6 Whether couple HHold	Categ
7	H7CPL	H7CPL:W7 Whether couple HHold	Categ
8	H8CPL	H8CPL:W8 Whether couple HHold	Categ
9	H9CPL	H9CPL:W9 Whether couple HHold	Categ
10	H10CPL	H10CPL:W10 Whether couple HHold	Categ
11	H11CPL	H11CPL:W11 Whether couple HHold	Categ
12	H12CPL	H12CPL:W12 Whether couple HHold	Categ
13	H13CPL	H13CPL:W13 Whether couple HHold	Categ
14	H14CPL	H14CPL:W14 Whether couple HHold	Categ
15	H15CPL	H15CPL:W15 Whether couple HHold	Categ
16	H16CPL	H16CPL:W16 Whether couple HHold	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
H1CPL	12652	0.81	0.39	0.0	1.0
H2CPL	19642	0.70	0.46	0.0	1.0
H3CPL	17991	0.69	0.46	0.0	1.0
H4CPL	21384	0.68	0.47	0.0	1.0
H5CPL	19578	0.67	0.47	0.0	1.0
H6CPL	18165	0.65	0.48	0.0	1.0
H7CPL	20129	0.66	0.47	0.0	1.0
H8CPL	18469	0.65	0.48	0.0	1.0
H9CPL	17217	0.64	0.48	0.0	1.0
H10CPL	22034	0.65	0.48	0.0	1.0
H11CPL	20554	0.64	0.48	0.0	1.0
H12CPL	18747	0.62	0.49	0.0	1.0
H13CPL	20912	0.62	0.49	0.0	1.0
H14CPL	17146	0.61	0.49	0.0	1.0
H15CPL	15723	0.61	0.49	0.0	1.0
H16CPL	15787	0.59	0.49	0.0	1.0

Categorical Variable Codes

HwCPL: Whether couple HHold

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Not a couple HH	2373	5968	5657	6868	6537	6306	6777	6417	6205	7797
1.Couple HH	10279	13674	12334	14516	13041	11859	13352	12052	11012	14237

Value	w11	w12	w13	w14	w15	w16
0.Not a couple HH	7473	7125	8023	6683	6194	6545
1.Couple HH	13081	11622	12889	10463	9529	9242

How Constructed

HwCPL indicates whether this household is treated as a couple household or not. Households in HRS can consist of a single Respondent or a couple. HwCPL is set to "1" if the Respondent is married (RwMSTAT or RwMSTATH is married or partnered), partnered (RwMPART=1), or if there are two Respondents in the wave-specific household (HwHHRESP=2). Otherwise a single Respondent is assumed, and HwCPL is set to zero. As with most other RAND HRS variables, HwCPL is missing in waves where the Respondent does not respond.

Financial, Family Respondent

Wave	Variable Name	Variable Label	Type
1	R1FAMR	R1FAMR:W1 Whether Family Resp	Categ
2	R2FAMR	R2FAMR:W2 Whether Family Resp	Categ
3	R3FAMR	R3FAMR:W3 Whether Family Resp	Categ
4	R4FAMR	R4FAMR:W4 Whether Family Resp	Categ
5	R5FAMR	R5FAMR:W5 Whether Family Resp	Categ
6	R6FAMR	R6FAMR:W6 Whether Family Resp	Categ
7	R7FAMR	R7FAMR:W7 Whether Family Resp	Categ
8	R8FAMR	R8FAMR:W8 Whether Family Resp	Categ
9	R9FAMR	R9FAMR:W9 Whether Family Resp	Categ
10	R10FAMR	R10FAMR:W10 Whether Family Resp	Categ
11	R11FAMR	R11FAMR:W11 Whether Family Resp	Categ
12	R12FAMR	R12FAMR:W12 Whether Family Resp	Categ
13	R13FAMR	R13FAMR:W13 Whether Family Resp	Categ
14	R14FAMR	R14FAMR:W14 Whether Family Resp	Categ
15	R15FAMR	R15FAMR:W15 Whether Family Resp	Categ
16	R16FAMR	R16FAMR:W16 Whether Family Resp	Categ
1	S1FAMR	S1FAMR:W1 Whether Family Resp	Categ
2	S2FAMR	S2FAMR:W2 Whether Family Resp	Categ
3	S3FAMR	S3FAMR:W3 Whether Family Resp	Categ
4	S4FAMR	S4FAMR:W4 Whether Family Resp	Categ
5	S5FAMR	S5FAMR:W5 Whether Family Resp	Categ
6	S6FAMR	S6FAMR:W6 Whether Family Resp	Categ
7	S7FAMR	S7FAMR:W7 Whether Family Resp	Categ
8	S8FAMR	S8FAMR:W8 Whether Family Resp	Categ
9	S9FAMR	S9FAMR:W9 Whether Family Resp	Categ
10	S10FAMR	S10FAMR:W10 Whether Family Resp	Categ
11	S11FAMR	S11FAMR:W11 Whether Family Resp	Categ
12	S12FAMR	S12FAMR:W12 Whether Family Resp	Categ
13	S13FAMR	S13FAMR:W13 Whether Family Resp	Categ
14	S14FAMR	S14FAMR:W14 Whether Family Resp	Categ
15	S15FAMR	S15FAMR:W15 Whether Family Resp	Categ
16	S16FAMR	S16FAMR:W16 Whether Family Resp	Categ
1	R1FINR	R1FINR:W1 Whether Financial Resp	Categ
2	R2FINR	R2FINR:W2 Whether Financial Resp	Categ
3	R3FINR	R3FINR:W3 Whether Financial Resp	Categ
4	R4FINR	R4FINR:W4 Whether Financial Resp	Categ
5	R5FINR	R5FINR:W5 Whether Financial Resp	Categ
6	R6FINR	R6FINR:W6 Whether Financial Resp	Categ
7	R7FINR	R7FINR:W7 Whether Financial Resp	Categ
8	R8FINR	R8FINR:W8 Whether Financial Resp	Categ
9	R9FINR	R9FINR:W9 Whether Financial Resp	Categ
10	R10FINR	R10FINR:W10 Whether Financial Resp	Categ
11	R11FINR	R11FINR:W11 Whether Financial Resp	Categ
12	R12FINR	R12FINR:W12 Whether Financial Resp	Categ
13	R13FINR	R13FINR:W13 Whether Financial Resp	Categ
14	R14FINR	R14FINR:W14 Whether Financial Resp	Categ
15	R15FINR	R15FINR:W15 Whether Financial Resp	Categ
16	R16FINR	R16FINR:W16 Whether Financial Resp	Categ
1	S1FINR	S1FINR:W1 Whether Financial Resp	Categ
2	S2FINR	S2FINR:W2 Whether Financial Resp	Categ
3	S3FINR	S3FINR:W3 Whether Financial Resp	Categ
4	S4FINR	S4FINR:W4 Whether Financial Resp	Categ
5	S5FINR	S5FINR:W5 Whether Financial Resp	Categ
6	S6FINR	S6FINR:W6 Whether Financial Resp	Categ
7	S7FINR	S7FINR:W7 Whether Financial Resp	Categ
8	S8FINR	S8FINR:W8 Whether Financial Resp	Categ
9	S9FINR	S9FINR:W9 Whether Financial Resp	Categ
10	S10FINR	S10FINR:W10 Whether Financial Resp	Categ
11	S11FINR	S11FINR:W11 Whether Financial Resp	Categ
12	S12FINR	S12FINR:W12 Whether Financial Resp	Categ
13	S13FINR	S13FINR:W13 Whether Financial Resp	Categ
14	S14FINR	S14FINR:W14 Whether Financial Resp	Categ
15	S15FINR	S15FINR:W15 Whether Financial Resp	Categ

16	S16FINR	S16FINR:W16 Whether Financial Resp	Categ
1	H1ANYFAM	H1ANYFAM:W1 Whether any FamR in HH	Categ
2	H2ANYFAM	H2ANYFAM:W2 Whether any FamR in HH	Categ
3	H3ANYFAM	H3ANYFAM:W3 Whether any FamR in HH	Categ
4	H4ANYFAM	H4ANYFAM:W4 Whether any FamR in HH	Categ
5	H5ANYFAM	H5ANYFAM:W5 Whether any FamR in HH	Categ
6	H6ANYFAM	H6ANYFAM:W6 Whether any FamR in HH	Categ
7	H7ANYFAM	H7ANYFAM:W7 Whether any FamR in HH	Categ
8	H8ANYFAM	H8ANYFAM:W8 Whether any FamR in HH	Categ
9	H9ANYFAM	H9ANYFAM:W9 Whether any FamR in HH	Categ
10	H10ANYFAM	H10ANYFAM:W10 Whether any FamR in HH	Categ
11	H11ANYFAM	H11ANYFAM:W11 Whether any FamR in HH	Categ
12	H12ANYFAM	H12ANYFAM:W12 Whether any FamR in HH	Categ
13	H13ANYFAM	H13ANYFAM:W13 Whether any FamR in HH	Categ
14	H14ANYFAM	H14ANYFAM:W14 Whether any FamR in HH	Categ
15	H15ANYFAM	H15ANYFAM:W15 Whether any FamR in HH	Categ
16	H16ANYFAM	H16ANYFAM:W16 Whether any FamR in HH	Categ
1	H1ANYFIN	H1ANYFIN:W1 Whether any FinR in HH	Categ
2	H2ANYFIN	H2ANYFIN:W2 Whether any FinR in HH	Categ
3	H3ANYFIN	H3ANYFIN:W3 Whether any FinR in HH	Categ
4	H4ANYFIN	H4ANYFIN:W4 Whether any FinR in HH	Categ
5	H5ANYFIN	H5ANYFIN:W5 Whether any FinR in HH	Categ
6	H6ANYFIN	H6ANYFIN:W6 Whether any FinR in HH	Categ
7	H7ANYFIN	H7ANYFIN:W7 Whether any FinR in HH	Categ
8	H8ANYFIN	H8ANYFIN:W8 Whether any FinR in HH	Categ
9	H9ANYFIN	H9ANYFIN:W9 Whether any FinR in HH	Categ
10	H10ANYFIN	H10ANYFIN:W10 Whether any FinR in HH	Categ
11	H11ANYFIN	H11ANYFIN:W11 Whether any FinR in HH	Categ
12	H12ANYFIN	H12ANYFIN:W12 Whether any FinR in HH	Categ
13	H13ANYFIN	H13ANYFIN:W13 Whether any FinR in HH	Categ
14	H14ANYFIN	H14ANYFIN:W14 Whether any FinR in HH	Categ
15	H15ANYFIN	H15ANYFIN:W15 Whether any FinR in HH	Categ
16	H16ANYFIN	H16ANYFIN:W16 Whether any FinR in HH	Categ
1	H1PICKHH	H1PICKHH:W1 Select subHH level file	Categ
2	H2PICKHH	H2PICKHH:W2 Select subHH level file	Categ
3	H3PICKHH	H3PICKHH:W3 Select subHH level file	Categ
4	H4PICKHH	H4PICKHH:W4 Select subHH level file	Categ
5	H5PICKHH	H5PICKHH:W5 Select subHH level file	Categ
6	H6PICKHH	H6PICKHH:W6 Select subHH level file	Categ
7	H7PICKHH	H7PICKHH:W7 Select subHH level file	Categ
8	H8PICKHH	H8PICKHH:W8 Select subHH level file	Categ
9	H9PICKHH	H9PICKHH:W9 Select subHH level file	Categ
10	H10PICKHH	H10PICKHH:W10 Select subHH level file	Categ
11	H11PICKHH	H11PICKHH:W11 Select subHH level file	Categ
12	H12PICKHH	H12PICKHH:W12 Select subHH level file	Categ
13	H13PICKHH	H13PICKHH:W13 Select subHH level file	Categ
14	H14PICKHH	H14PICKHH:W14 Select subHH level file	Categ
15	H15PICKHH	H15PICKHH:W15 Select subHH level file	Categ
16	H16PICKHH	H16PICKHH:W16 Select subHH level file	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1FAMR	12652	0.60	0.49	0.0	1.0
R2FAMR	19642	0.66	0.47	0.0	1.0
R3FAMR	17991	0.67	0.47	0.0	1.0
R4FAMR	21384	0.66	0.47	0.0	1.0
R5FAMR	19578	0.67	0.47	0.0	1.0
R6FAMR	18165	0.68	0.47	0.0	1.0
R7FAMR	20129	0.67	0.47	0.0	1.0
R8FAMR	18469	0.68	0.47	0.0	1.0
R9FAMR	17217	0.69	0.46	0.0	1.0

R10FAMR	22034	0.68	0.47	0.0	1.0
R11FAMR	20554	0.69	0.46	0.0	1.0
R12FAMR	18747	0.70	0.46	0.0	1.0
R13FAMR	20912	0.70	0.46	0.0	1.0
R14FAMR	17146	0.70	0.46	0.0	1.0
R15FAMR	15723	0.70	0.46	0.0	1.0
R16FAMR	15787	0.71	0.45	0.0	1.0
S1FAMR	9900	0.50	0.50	0.0	1.0
S2FAMR	13090	0.50	0.50	0.0	1.0
S3FAMR	11917	0.50	0.50	0.0	1.0
S4FAMR	13980	0.50	0.50	0.0	1.0
S5FAMR	12730	0.50	0.50	0.0	1.0
S6FAMR	11639	0.50	0.50	0.0	1.0
S7FAMR	12972	0.50	0.50	0.0	1.0
S8FAMR	11735	0.50	0.50	0.0	1.0
S9FAMR	10646	0.50	0.50	0.0	1.0
S10FAMR	13513	0.50	0.50	0.0	1.0
S11FAMR	12484	0.50	0.50	0.0	1.0
S12FAMR	11012	0.50	0.50	0.0	1.0
S13FAMR	11779	0.50	0.50	0.0	1.0
S14FAMR	9358	0.50	0.50	0.0	1.0
S15FAMR	8477	0.50	0.50	0.0	1.0
S16FAMR	7840	0.50	0.50	0.0	1.0
R1FINR	12652	0.60	0.49	0.0	1.0
R2FINR	19642	0.66	0.47	0.0	1.0
R3FINR	17991	0.66	0.47	0.0	1.0
R4FINR	21384	0.67	0.47	0.0	1.0
R5FINR	19578	0.67	0.47	0.0	1.0
R6FINR	18165	0.68	0.47	0.0	1.0
R7FINR	20129	0.67	0.47	0.0	1.0
R8FINR	18469	0.68	0.47	0.0	1.0
R9FINR	17217	0.69	0.46	0.0	1.0
R10FINR	22034	0.69	0.46	0.0	1.0
R11FINR	20554	0.69	0.46	0.0	1.0
R12FINR	18747	0.70	0.46	0.0	1.0
R13FINR	20912	0.71	0.46	0.0	1.0
R14FINR	17146	0.71	0.45	0.0	1.0
R15FINR	15723	0.71	0.45	0.0	1.0
R16FINR	15787	0.73	0.44	0.0	1.0
S1FINR	9900	0.50	0.50	0.0	1.0
S2FINR	13090	0.50	0.50	0.0	1.0
S3FINR	11917	0.50	0.50	0.0	1.0
S4FINR	13980	0.50	0.50	0.0	1.0
S5FINR	12730	0.50	0.50	0.0	1.0
S6FINR	11639	0.50	0.50	0.0	1.0
S7FINR	12972	0.50	0.50	0.0	1.0
S8FINR	11735	0.50	0.50	0.0	1.0
S9FINR	10646	0.50	0.50	0.0	1.0
S10FINR	13513	0.50	0.50	0.0	1.0
S11FINR	12484	0.50	0.50	0.0	1.0
S12FINR	11012	0.50	0.50	0.0	1.0
S13FINR	11779	0.50	0.50	0.0	1.0
S14FINR	9358	0.50	0.50	0.0	1.0
S15FINR	8477	0.50	0.50	0.0	1.0
S16FINR	7840	0.50	0.50	0.0	1.0

H1ANYFAM	12652	0.99	0.11	0.0	1.0
H2ANYFAM	19642	0.99	0.10	0.0	1.0
H3ANYFAM	17991	1.00	0.06	0.0	1.0
H4ANYFAM	21384	0.99	0.10	0.0	1.0
H5ANYFAM	19578	0.99	0.07	0.0	1.0
H6ANYFAM	18165	1.00	0.01	0.0	1.0
H7ANYFAM	20129	0.99	0.08	0.0	1.0
H8ANYFAM	18469	1.00	0.07	0.0	1.0
H9ANYFAM	17217	1.00	0.07	0.0	1.0
H10ANYFAM	22034	0.99	0.12	0.0	1.0
H11ANYFAM	20554	0.99	0.09	0.0	1.0
H12ANYFAM	18747	0.99	0.09	0.0	1.0
H13ANYFAM	20912	0.98	0.15	0.0	1.0
H14ANYFAM	17146	0.97	0.16	0.0	1.0
H15ANYFAM	15723	0.97	0.17	0.0	1.0
H16ANYFAM	15787	0.96	0.20	0.0	1.0
H1ANYFIN	12652	0.99	0.09	0.0	1.0
H2ANYFIN	19642	0.99	0.09	0.0	1.0
H3ANYFIN	17991	1.00	0.07	0.0	1.0
H4ANYFIN	21384	0.99	0.08	0.0	1.0
H5ANYFIN	19578	1.00	0.07	0.0	1.0
H6ANYFIN	18165	1.00	0.04	0.0	1.0
H7ANYFIN	20129	1.00	0.05	0.0	1.0
H8ANYFIN	18469	1.00	0.05	0.0	1.0
H9ANYFIN	17217	1.00	0.06	0.0	1.0
H10ANYFIN	22034	0.99	0.08	0.0	1.0
H11ANYFIN	20554	0.99	0.08	0.0	1.0
H12ANYFIN	18747	0.99	0.09	0.0	1.0
H13ANYFIN	20912	0.99	0.11	0.0	1.0
H14ANYFIN	17146	0.98	0.13	0.0	1.0
H15ANYFIN	15723	0.98	0.13	0.0	1.0
H16ANYFIN	15787	0.98	0.13	0.0	1.0
H1PICKHH	12652	0.61	0.49	0.0	1.0
H2PICKHH	19642	0.67	0.47	0.0	1.0
H3PICKHH	17991	0.67	0.47	0.0	1.0
H4PICKHH	21384	0.67	0.47	0.0	1.0
H5PICKHH	19578	0.67	0.47	0.0	1.0
H6PICKHH	18165	0.68	0.47	0.0	1.0
H7PICKHH	20129	0.68	0.47	0.0	1.0
H8PICKHH	18469	0.68	0.47	0.0	1.0
H9PICKHH	17217	0.69	0.46	0.0	1.0
H10PICKHH	22034	0.69	0.46	0.0	1.0
H11PICKHH	20554	0.70	0.46	0.0	1.0
H12PICKHH	18747	0.71	0.46	0.0	1.0
H13PICKHH	20912	0.72	0.45	0.0	1.0
H14PICKHH	17146	0.73	0.45	0.0	1.0
H15PICKHH	15723	0.73	0.44	0.0	1.0
H16PICKHH	15787	0.75	0.43	0.0	1.0

Categorical Variable Codes

RwFAMR: Whether Family Resp

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	5105	6719	6026	7181	6472	5819	6615	5956	5404	7057
1.Yes	7547	12923	11965	14203	13106	12346	13514	12513	11813	14977

Value	w11	w12	w13	w14	w15	w16
0.No	6407	5674	6351	5129	4680	4594
1.Yes	14147	13073	14561	12017	11043	11193

SwFAMR: Whether Family Resp

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	4950	6556	5955	7007	6365	5816	6484	5866	5320	6754
1.Yes	4950	6534	5962	6973	6365	5823	6488	5869	5326	6759

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	597	610	1109	1104	1044	1400
0.No	6240	5508	5889	4681	4261	3920
1.Yes	6244	5504	5890	4677	4216	3920

RwFINR: Whether Financial Resp

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	5045	6694	6036	7127	6462	5846	6544	5911	5375	6904
1.Yes	7607	12948	11955	14257	13116	12319	13585	12558	11842	15130

Value	w11	w12	w13	w14	w15	w16
0.No	6363	5649	6146	4965	4515	4195
1.Yes	14191	13098	14766	12181	11208	11592

SwFINR: Whether Financial Resp

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	4950	6556	5957	6992	6365	5816	6484	5866	5320	6754
1.Yes	4950	6534	5960	6988	6365	5823	6488	5869	5326	6759

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	597	610	1109	1104	1044	1400
0.No	6239	5508	5889	4683	4241	3920
1.Yes	6245	5504	5890	4675	4236	3920

HwANYFAM: Whether any FamR in HH

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	155	208	72	210	107	4	131	92	84	303
1.Yes	12497	19434	17919	21174	19471	18161	19998	18377	17133	21731

Value	w11	w12	w13	w14	w15	w16
0.No	171	170	462	452	475	674
1.Yes	20383	18577	20450	16694	15248	15113

HwANYFIN: Whether any FinR in HH

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	95	161	83	141	97	30	60	47	55	150
1.Yes	12557	19481	17908	21243	19481	18135	20069	18422	17162	21884

Value	w11	w12	w13	w14	w15	w16
0.No	126	145	257	290	290	275
1.Yes	20428	18602	20655	16856	15433	15512

HwPICKHH: Select subHH level file

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Drop for HH-level file	4950	6544	5955	6989	6365	5816	6484	5864	5320	6754
1.Select for HH-level file	7702	13098	12036	14395	13213	12349	13645	12605	11897	15280

Value	w11	w12	w13	w14	w15	w16
0.Drop for HH-level file	6238	5506	5889	4679	4233	3920
1.Select for HH-level file	14316	13241	15023	12467	11490	11867

How Constructed

In couple households, household level questions about finances are answered by one individual designated the "Financial Respondent," and questions about family are answered by the individual designated the "Family Respondent." The Financial Respondent may be the same as the Family Respondent, or not, depending on the household. In single households, the only Respondent is both the Financial and Family Respondent.

RwFINR and RwFAMR indicate whether the Respondent is the designated Financial and Family Respondent, respectively. These flags are set to "1" if the designated Respondent, or "0" if not.

HwANYFIN indicates if any individual in the household is the Financial Respondent, and HwANYFAM indicates the same for the Family Respondent. A value of "0" in HwANYFIN or HwANYFAM indicates that there is no Financial or Family Respondent, respectively, and thus no household level information on the relevant topics. HwANYFIN and HwANYFAM are set to .S for the deceased Respondents in Wave 2 in previous versions of RAND HRS Longitudinal File. We exclude the W2 deceased Respondents in this version.

SwFINR and SwFAMR are taken from the Wave "w" spouse's value for RwFINR and RwFAMR, respectively.

HwPICKHH can be used to extract a household level file (i.e., one for each sub-household in the core data) by selecting records where HwPICKHH=1. This will select all individuals in single-Respondent households and just the Financial Respondent in couple households. For some households there is no Financial Respondent. HwPICKHH selects a Respondent for every household that participated in a given wave, regardless of whether a Financial Respondent is present. For couple households where there is no Financial Respondent, HRS sometimes assigns this role based on the variable xPN_FIN (FINANCIAL RESP PERSON NUMBER). We set HwPICKHH=1 for that Respondent. Otherwise, we set HwPICKHH=1 for the Respondent in the household who is not the Family Respondent. If no Family Respondent is assigned, we set HwPICKHH=1 for the Respondent with the lowest PN. Please note that for some analyses, selecting a different record in couple households may be more appropriate. The analyst will need to determine this based on their research goals.

As stated in the "Household Identifier" section, there are a few households in Wave 3H that appear to be reunited based on answers to questions in the CoverSheet section. They are reunited in Wave 4 in the public use HRS core data, but have different sub-household IDs in Wave 3. We reunite them in Wave 3 in the RAND HRS Longitudinal File. These households are: 17520 (PNs 010 and 040), 22999 (PNs 010 and 020), 40609 (PNs 010 and 020), 40441 (PNs 010 and 020), 50945 (PNs 010 and 040). These cases will have different sub-household IDs in H3HHID from the ESUBHH found in the Tracker and core 1996 files. The spouse PNs will also differ. For households 22999, 40441, and 50945, H3PICKHH will select both members from each household, since each member of the couple is flagged as the Financial Respondent. We did not select just one member from each household to go through the imputation process, but processed their responses as is. Therefore, they may each give different responses about their income and assets.

HRS Variables Used

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Tracker:
    HHID                HOUSEHOLD IDENTIFIER
    OVHHID              OVERLAP CASE: OLD HHID
    OVPN                OVERLAP CASE: OLD PN
    PN                  PERSON NUMBER
    xFAMR               1992-2022 WHETHER FAMILY RESPONDENT
    xFINR               1992-2022 WHETHER FINANCIAL RESPONDENT
    xSUBHH              1992-2022 SUB-HOUSEHOLD IDENTIFIER
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Whether Proxy Interview

Wave	Variable Name	Variable Label	Type
1	R1PROXY	R1PROXY:W1 Whether Proxy Interview	Categ
2	R2PROXY	R2PROXY:W2 Whether Proxy Interview	Categ
3	R3PROXY	R3PROXY:W3 Whether Proxy Interview	Categ
4	R4PROXY	R4PROXY:W4 Whether Proxy Interview	Categ
5	R5PROXY	R5PROXY:W5 Whether Proxy Interview	Categ
6	R6PROXY	R6PROXY:W6 Whether Proxy Interview	Categ
7	R7PROXY	R7PROXY:W7 Whether Proxy Interview	Categ
8	R8PROXY	R8PROXY:W8 Whether Proxy Interview	Categ
9	R9PROXY	R9PROXY:W9 Whether Proxy Interview	Categ
10	R10PROXY	R10PROXY:W10 Whether Proxy Interview	Categ
11	R11PROXY	R11PROXY:W11 Whether Proxy Interview	Categ
12	R12PROXY	R12PROXY:W12 Whether Proxy Interview	Categ
13	R13PROXY	R13PROXY:W13 Whether Proxy Interview	Categ
14	R14PROXY	R14PROXY:W14 Whether Proxy Interview	Categ
15	R15PROXY	R15PROXY:W15 Whether Proxy Interview	Categ
16	R16PROXY	R16PROXY:W16 Whether Proxy Interview	Categ
1	S1PROXY	S1PROXY:W1 Whether Proxy Interview	Categ
2	S2PROXY	S2PROXY:W2 Whether Proxy Interview	Categ
3	S3PROXY	S3PROXY:W3 Whether Proxy Interview	Categ
4	S4PROXY	S4PROXY:W4 Whether Proxy Interview	Categ
5	S5PROXY	S5PROXY:W5 Whether Proxy Interview	Categ
6	S6PROXY	S6PROXY:W6 Whether Proxy Interview	Categ
7	S7PROXY	S7PROXY:W7 Whether Proxy Interview	Categ
8	S8PROXY	S8PROXY:W8 Whether Proxy Interview	Categ
9	S9PROXY	S9PROXY:W9 Whether Proxy Interview	Categ
10	S10PROXY	S10PROXY:W10 Whether Proxy Interview	Categ
11	S11PROXY	S11PROXY:W11 Whether Proxy Interview	Categ
12	S12PROXY	S12PROXY:W12 Whether Proxy Interview	Categ
13	S13PROXY	S13PROXY:W13 Whether Proxy Interview	Categ
14	S14PROXY	S14PROXY:W14 Whether Proxy Interview	Categ
15	S15PROXY	S15PROXY:W15 Whether Proxy Interview	Categ
16	S16PROXY	S16PROXY:W16 Whether Proxy Interview	Categ
E	REPROXYSP	REPROXYSP:EXIT Proxy is spouse	Categ
E	REPROXYREL	REPROXYREL:EXIT Proxy relationship to R	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1PROXY	12652	0.05	0.22	0.0	1.0
R2PROXY	19642	0.08	0.27	0.0	1.0
R3PROXY	17991	0.09	0.29	0.0	1.0
R4PROXY	21384	0.10	0.29	0.0	1.0
R5PROXY	19578	0.11	0.31	0.0	1.0
R6PROXY	18165	0.11	0.32	0.0	1.0
R7PROXY	20129	0.09	0.29	0.0	1.0
R8PROXY	18469	0.07	0.25	0.0	1.0
R9PROXY	17217	0.07	0.25	0.0	1.0
R10PROXY	22034	0.06	0.24	0.0	1.0
R11PROXY	20554	0.06	0.23	0.0	1.0
R12PROXY	18747	0.06	0.23	0.0	1.0
R13PROXY	20912	0.04	0.21	0.0	1.0
R14PROXY	17146	0.04	0.19	0.0	1.0
R15PROXY	15723	0.05	0.21	0.0	1.0
R16PROXY	15787	0.04	0.19	0.0	1.0
S1PROXY	9900	0.06	0.24	0.0	1.0

S2PROXY	13090	0.09	0.28	0.0	1.0
S3PROXY	11917	0.09	0.29	0.0	1.0
S4PROXY	13980	0.10	0.30	0.0	1.0
S5PROXY	12730	0.11	0.31	0.0	1.0
S6PROXY	11639	0.12	0.32	0.0	1.0
S7PROXY	12972	0.09	0.29	0.0	1.0
S8PROXY	11735	0.07	0.25	0.0	1.0
S9PROXY	10646	0.06	0.24	0.0	1.0
S10PROXY	13513	0.06	0.24	0.0	1.0
S11PROXY	12484	0.05	0.22	0.0	1.0
S12PROXY	11012	0.05	0.23	0.0	1.0
S13PROXY	11779	0.04	0.21	0.0	1.0
S14PROXY	9358	0.04	0.20	0.0	1.0
S15PROXY	8477	0.05	0.22	0.0	1.0
S16PROXY	7840	0.04	0.20	0.0	1.0
REPROXYSP	17712	0.32	0.46	0.0	1.0
REPROXYREL	15222	6.05	5.61	2.0	33.0

Categorical Variable Codes

RwPROXY: Whether Proxy Interview

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Not proxy	12004	18073	16351	19341	17516	16129	18327	17209	16077	20652
1.Proxy	648	1569	1640	2043	2062	2036	1802	1260	1140	1382

Value	w11	w12	w13	w14	w15	w16
0.Not proxy	19408	17698	19971	16483	15002	15201
1.Proxy	1146	1049	941	663	721	586

SwPROXY: Whether Proxy Interview

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.Not proxy	9284	11937	10806	12573	11320	10280	11769	10943	9989	12696
1.Proxy	616	1153	1111	1407	1410	1359	1203	792	657	817

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	597	610	1109	1104	1044	1400
0.Not proxy	11835	10423	11253	8974	8058	7520
1.Proxy	649	589	526	384	419	320

REPROXYSP: EXIT Proxy is spouse

Value	
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0. No	12117
1. Yes	5595

REPROXYREL: EXIT Proxy relationship to R

Value	
.D=DK	2489
.M=Oth missing	1
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
2. Spouse/Partner	5595
3. Son	2214
4. Stepson Or Son Of Partne	45
5. Spouse/Partner Of Daught	48
6. Daughter	4406
7. Stepdaughter Or Daughter	127
8. Spouse/Partner Of Son	208
9. Grandchild Of R Or Sp/P	319
15. Brother	198
17. Sister	514
19. Other Relative	961
20. Other Individual	523
23. Paid Helper	19
24. Professional	40
33. Sp/P Of Grandchild	5

How Constructed

Core Interview Variables

RwPROXY is set to "1" if the interview is by proxy in wave "w." It is set to "0" if the Respondent is not a proxy. Proxy status is taken directly from the Tracker file.

The spouse's proxy flag is taken from the Wave "w" spouse's variable, i.e., from the Wave "w" spouse's RwPROXY.

Exit Interview Variables

REPROXYSP is a flag variable indicating whether the Exit Interview was completed by the Respondent's spouse or not. It is set to "1" if the Exit Interview is by the surviving spouse. It is set to "0" if the proxy is not a surviving spouse.

REPROXYREL is the relationship of the proxy to the deceased Respondent.

Cross Wave Differences in Original HRS Data

Exit Interview Variables

From Wave 2 to Wave 5, there is only one question which asks if the proxy is the surviving spouse. If the proxy is not the surviving spouse, we do not know the relationship of the proxy to the deceased Respondent, so REPROXYREL is coded .D for "don't know." From Wave 6 forward, there is an additional question that asks about the relationship of the proxy to the deceased Respondent. There are a small number of cases where the proxy reports that they are not the surviving spouse in the proxy question and then reports they are the spouse in the relationship question. For these inconsistencies, we keep REPROXYSP = 0, and REPROXYREL is coded .D for "don't know."

HRS Variables Used

Exit Interview Variables

```
AHEAD 1995:
    N218            CS1a.PROXY INTERVIEW
HRS 1996:
    P218            CS1a.PROXY INTERVIEW
HRS 1998:
    Q483            CS1A.PROXY/SELF INTERVIEW
HRS 2000:
    R514            CS1A.PROXY/SELF INTERVIEW
HRS 2002-2022:
    xA009           PROXY/SELF INTERVIEW
    xA103           PROXY RELATIONSHIP TO R
```

Tracker Variables

```
Tracker:
    xPPN                1994-2022 SPOUSE-PARTNER PERSON NUMBER
    xPROXY              1992-2022 PROXY TYPE STATUS
```

Interview Dates

Wave	Variable Name	Variable Label	Type
1	R1IWBEG	R1IWBEG:W1 Interview Begin Date	Cont
2	R2IWBEG	R2IWBEG:W2 Interview Begin Date	Cont
3	R3IWBEG	R3IWBEG:W3 Interview Begin Date	Cont
4	R4IWBEG	R4IWBEG:W4 Interview Begin Date	Cont
5	R5IWBEG	R5IWBEG:W5 Interview Begin Date	Cont
6	R6IWBEG	R6IWBEG:W6 Interview Begin Date	Cont
7	R7IWBEG	R7IWBEG:W7 Interview Begin Date	Cont
8	R8IWBEG	R8IWBEG:W8 Interview Begin Date	Cont
9	R9IWBEG	R9IWBEG:W9 Interview Begin Date	Cont
10	R10IWBEG	R10IWBEG:W10 Interview Begin Date	Cont
11	R11IWBEG	R11IWBEG:W11 Interview Begin Date	Cont
12	R12IWBEG	R12IWBEG:W12 Interview Begin Date	Cont
13	R13IWBEG	R13IWBEG:W13 Interview Begin Date	Cont
14	R14IWBEG	R14IWBEG:W14 Interview Begin Date	Cont
15	R15IWBEG	R15IWBEG:W15 Interview Begin Date	Cont
16	R16IWBEG	R16IWBEG:W16 Interview Begin Date	Cont
1	S1IWBEG	S1IWBEG:W1 Interview Begin Date	Cont
2	S2IWBEG	S2IWBEG:W2 Interview Begin Date	Cont
3	S3IWBEG	S3IWBEG:W3 Interview Begin Date	Cont
4	S4IWBEG	S4IWBEG:W4 Interview Begin Date	Cont
5	S5IWBEG	S5IWBEG:W5 Interview Begin Date	Cont
6	S6IWBEG	S6IWBEG:W6 Interview Begin Date	Cont
7	S7IWBEG	S7IWBEG:W7 Interview Begin Date	Cont
8	S8IWBEG	S8IWBEG:W8 Interview Begin Date	Cont
9	S9IWBEG	S9IWBEG:W9 Interview Begin Date	Cont
10	S10IWBEG	S10IWBEG:W10 Interview Begin Date	Cont
11	S11IWBEG	S11IWBEG:W11 Interview Begin Date	Cont
12	S12IWBEG	S12IWBEG:W12 Interview Begin Date	Cont
13	S13IWBEG	S13IWBEG:W13 Interview Begin Date	Cont
14	S14IWBEG	S14IWBEG:W14 Interview Begin Date	Cont
15	S15IWBEG	S15IWBEG:W15 Interview Begin Date	Cont
16	S16IWBEG	S16IWBEG:W16 Interview Begin Date	Cont
1	R1IWBEGF	R1IWBEGF:W1 Interview Beg Date Flag	Categ
2	R2IWBEGF	R2IWBEGF:W2 Interview Beg Date Flag	Categ
1	S1IWBEGF	S1IWBEGF:W1 Interview Beg Date Flag	Categ
2	S2IWBEGF	S2IWBEGF:W2 Interview Beg Date Flag	Categ
1	R1IWEND	R1IWEND:W1 Interview End Date	Cont
2	R2IWEND	R2IWEND:W2 Interview End Date	Cont
3	R3IWEND	R3IWEND:W3 Interview End Date	Cont
4	R4IWEND	R4IWEND:W4 Interview End Date	Cont
5	R5IWEND	R5IWEND:W5 Interview End Date	Cont
6	R6IWEND	R6IWEND:W6 Interview End Date	Cont
7	R7IWEND	R7IWEND:W7 Interview End Date	Cont
8	R8IWEND	R8IWEND:W8 Interview End Date	Cont
9	R9IWEND	R9IWEND:W9 Interview End Date	Cont
10	R10IWEND	R10IWEND:W10 Interview End Date	Cont
11	R11IWEND	R11IWEND:W11 Interview End Date	Cont
12	R12IWEND	R12IWEND:W12 Interview End Date	Cont
13	R13IWEND	R13IWEND:W13 Interview End Date	Cont
14	R14IWEND	R14IWEND:W14 Interview End Date	Cont
15	R15IWEND	R15IWEND:W15 Interview End Date	Cont
16	R16IWEND	R16IWEND:W16 Interview End Date	Cont
1	S1IWEND	S1IWEND:W1 Interview End Date	Cont
2	S2IWEND	S2IWEND:W2 Interview End Date	Cont
3	S3IWEND	S3IWEND:W3 Interview End Date	Cont
4	S4IWEND	S4IWEND:W4 Interview End Date	Cont
5	S5IWEND	S5IWEND:W5 Interview End Date	Cont
6	S6IWEND	S6IWEND:W6 Interview End Date	Cont
7	S7IWEND	S7IWEND:W7 Interview End Date	Cont
8	S8IWEND	S8IWEND:W8 Interview End Date	Cont
9	S9IWEND	S9IWEND:W9 Interview End Date	Cont

10	S10IWEND	S10IWEND:W10 Interview End Date	Cont
11	S11IWEND	S11IWEND:W11 Interview End Date	Cont
12	S12IWEND	S12IWEND:W12 Interview End Date	Cont
13	S13IWEND	S13IWEND:W13 Interview End Date	Cont
14	S14IWEND	S14IWEND:W14 Interview End Date	Cont
15	S15IWEND	S15IWEND:W15 Interview End Date	Cont
16	S16IWEND	S16IWEND:W16 Interview End Date	Cont
1	R1IWENDF	R1IWENDF:W1 Interview End Date Flag	Categ
2	R2IWENDF	R2IWENDF:W2 Interview End Date Flag	Categ
3	R3IWENDF	R3IWENDF:W3 Interview End Date Flag	Categ
1	S1IWENDF	S1IWENDF:W1 Interview End Date Flag	Categ
2	S2IWENDF	S2IWENDF:W2 Interview End Date Flag	Categ
3	S3IWENDF	S3IWENDF:W3 Interview End Date Flag	Categ
1	R1IWMID	R1IWMID:W1 Interview Midpoint Date	Cont
2	R2IWMID	R2IWMID:W2 Interview Midpoint Date	Cont
3	R3IWMID	R3IWMID:W3 Interview Midpoint Date	Cont
4	R4IWMID	R4IWMID:W4 Interview Midpoint Date	Cont
5	R5IWMID	R5IWMID:W5 Interview Midpoint Date	Cont
6	R6IWMID	R6IWMID:W6 Interview Midpoint Date	Cont
7	R7IWMID	R7IWMID:W7 Interview Midpoint Date	Cont
8	R8IWMID	R8IWMID:W8 Interview Midpoint Date	Cont
9	R9IWMID	R9IWMID:W9 Interview Midpoint Date	Cont
10	R10IWMID	R10IWMID:W10 Interview Midpoint Date	Cont
11	R11IWMID	R11IWMID:W11 Interview Midpoint Date	Cont
12	R12IWMID	R12IWMID:W12 Interview Midpoint Date	Cont
13	R13IWMID	R13IWMID:W13 Interview Midpoint Date	Cont
14	R14IWMID	R14IWMID:W14 Interview Midpoint Date	Cont
15	R15IWMID	R15IWMID:W15 Interview Midpoint Date	Cont
16	R16IWMID	R16IWMID:W16 Interview Midpoint Date	Cont
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2	S2IWMID	S2IWMID:W2 Interview Midpoint Date	Cont
3	S3IWMID	S3IWMID:W3 Interview Midpoint Date	Cont
4	S4IWMID	S4IWMID:W4 Interview Midpoint Date	Cont
5	S5IWMID	S5IWMID:W5 Interview Midpoint Date	Cont
6	S6IWMID	S6IWMID:W6 Interview Midpoint Date	Cont
7	S7IWMID	S7IWMID:W7 Interview Midpoint Date	Cont
8	S8IWMID	S8IWMID:W8 Interview Midpoint Date	Cont
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10	S10IWMID	S10IWMID:W10 Interview Midpoint Date	Cont
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12	S12IWMID	S12IWMID:W12 Interview Midpoint Date	Cont
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2	S2IWMIDF	S2IWMIDF:W2 Interview Midpt Date Flag	Categ
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5	S5IWMIDF	S5IWMIDF:W5 Interview Midpt Date Flag	Categ

6	S6IWMIDF	S6IWMIDF:W6 Interview Midpt Date Flag	Categ
7	S7IWMIDF	S7IWMIDF:W7 Interview Midpt Date Flag	Categ
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16	S16IWMIDF	S16IWMIDF:W16 Interview Midpt Date Flag	Categ
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2	R2IWENDM	R2IWENDM:W2 Interview End Month	Cont
3	R3IWENDM	R3IWENDM:W3 Interview End Month	Cont
4	R4IWENDM	R4IWENDM:W4 Interview End Month	Cont
5	R5IWENDM	R5IWENDM:W5 Interview End Month	Cont
6	R6IWENDM	R6IWENDM:W6 Interview End Month	Cont
7	R7IWENDM	R7IWENDM:W7 Interview End Month	Cont
8	R8IWENDM	R8IWENDM:W8 Interview End Month	Cont
9	R9IWENDM	R9IWENDM:W9 Interview End Month	Cont
10	R10IWENDM	R10IWENDM:W10 Interview End Month	Cont
11	R11IWENDM	R11IWENDM:W11 Interview End Month	Cont
12	R12IWENDM	R12IWENDM:W12 Interview End Month	Cont
13	R13IWENDM	R13IWENDM:W13 Interview End Month	Cont
14	R14IWENDM	R14IWENDM:W14 Interview End Month	Cont
15	R15IWENDM	R15IWENDM:W15 Interview End Month	Cont
16	R16IWENDM	R16IWENDM:W16 Interview End Month	Cont
1	S1IWENDM	S1IWENDM:W1 Interview End Month	Cont
2	S2IWENDM	S2IWENDM:W2 Interview End Month	Cont
3	S3IWENDM	S3IWENDM:W3 Interview End Month	Cont
4	S4IWENDM	S4IWENDM:W4 Interview End Month	Cont
5	S5IWENDM	S5IWENDM:W5 Interview End Month	Cont
6	S6IWENDM	S6IWENDM:W6 Interview End Month	Cont
7	S7IWENDM	S7IWENDM:W7 Interview End Month	Cont
8	S8IWENDM	S8IWENDM:W8 Interview End Month	Cont
9	S9IWENDM	S9IWENDM:W9 Interview End Month	Cont
10	S10IWENDM	S10IWENDM:W10 Interview End Month	Cont
11	S11IWENDM	S11IWENDM:W11 Interview End Month	Cont
12	S12IWENDM	S12IWENDM:W12 Interview End Month	Cont
13	S13IWENDM	S13IWENDM:W13 Interview End Month	Cont
14	S14IWENDM	S14IWENDM:W14 Interview End Month	Cont
15	S15IWENDM	S15IWENDM:W15 Interview End Month	Cont
16	S16IWENDM	S16IWENDM:W16 Interview End Month	Cont
1	R1IWENDY	R1IWENDY:W1 Interview End Year	Cont
2	R2IWENDY	R2IWENDY:W2 Interview End Year	Cont
3	R3IWENDY	R3IWENDY:W3 Interview End Year	Cont
4	R4IWENDY	R4IWENDY:W4 Interview End Year	Cont
5	R5IWENDY	R5IWENDY:W5 Interview End Year	Cont
6	R6IWENDY	R6IWENDY:W6 Interview End Year	Cont
7	R7IWENDY	R7IWENDY:W7 Interview End Year	Cont
8	R8IWENDY	R8IWENDY:W8 Interview End Year	Cont
9	R9IWENDY	R9IWENDY:W9 Interview End Year	Cont
10	R10IWENDY	R10IWENDY:W10 Interview End Year	Cont
11	R11IWENDY	R11IWENDY:W11 Interview End Year	Cont
12	R12IWENDY	R12IWENDY:W12 Interview End Year	Cont
13	R13IWENDY	R13IWENDY:W13 Interview End Year	Cont
14	R14IWENDY	R14IWENDY:W14 Interview End Year	Cont
15	R15IWENDY	R15IWENDY:W15 Interview End Year	Cont
16	R16IWENDY	R16IWENDY:W16 Interview End Year	Cont
1	S1IWENDY	S1IWENDY:W1 Interview End Year	Cont
2	S2IWENDY	S2IWENDY:W2 Interview End Year	Cont
3	S3IWENDY	S3IWENDY:W3 Interview End Year	Cont
4	S4IWENDY	S4IWENDY:W4 Interview End Year	Cont
5	S5IWENDY	S5IWENDY:W5 Interview End Year	Cont
6	S6IWENDY	S6IWENDY:W6 Interview End Year	Cont
7	S7IWENDY	S7IWENDY:W7 Interview End Year	Cont
8	S8IWENDY	S8IWENDY:W8 Interview End Year	Cont
9	S9IWENDY	S9IWENDY:W9 Interview End Year	Cont

10	S10IWENDY	S10IWENDY:W10 Interview End Year	Cont
11	S11IWENDY	S11IWENDY:W11 Interview End Year	Cont
12	S12IWENDY	S12IWENDY:W12 Interview End Year	Cont
13	S13IWENDY	S13IWENDY:W13 Interview End Year	Cont
14	S14IWENDY	S14IWENDY:W14 Interview End Year	Cont
15	S15IWENDY	S15IWENDY:W15 Interview End Year	Cont
16	S16IWENDY	S16IWENDY:W16 Interview End Year	Cont
3	R3LIWREFM	R3LIWREFM:W3 R questionnaire reference period in months	Cont
4	R4LIWREFM	R4LIWREFM:W4 R questionnaire reference period in months	Cont
5	R5LIWREFM	R5LIWREFM:W5 R questionnaire reference period in months	Cont
6	R6LIWREFM	R6LIWREFM:W6 R questionnaire reference period in months	Cont
7	R7LIWREFM	R7LIWREFM:W7 R questionnaire reference period in months	Cont
8	R8LIWREFM	R8LIWREFM:W8 R questionnaire reference period in months	Cont
9	R9LIWREFM	R9LIWREFM:W9 R questionnaire reference period in months	Cont
10	R10LIWREFM	R10LIWREFM:W10 R questionnaire reference period in months	Cont
11	R11LIWREFM	R11LIWREFM:W11 R questionnaire reference period in months	Cont
12	R12LIWREFM	R12LIWREFM:W12 R questionnaire reference period in months	Cont
13	R13LIWREFM	R13LIWREFM:W13 R questionnaire reference period in months	Cont
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16	R16LIWREFM	R16LIWREFM:W16 R questionnaire reference period in months	Cont
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4	S4LIWREFM	S4LIWREFM:W4 S questionnaire reference period in months	Cont
5	S5LIWREFM	S5LIWREFM:W5 S questionnaire reference period in months	Cont
6	S6LIWREFM	S6LIWREFM:W6 S questionnaire reference period in months	Cont
7	S7LIWREFM	S7LIWREFM:W7 S questionnaire reference period in months	Cont
8	S8LIWREFM	S8LIWREFM:W8 S questionnaire reference period in months	Cont
9	S9LIWREFM	S9LIWREFM:W9 S questionnaire reference period in months	Cont
10	S10LIWREFM	S10LIWREFM:W10 S questionnaire reference period in months	Cont
11	S11LIWREFM	S11LIWREFM:W11 S questionnaire reference period in months	Cont
12	S12LIWREFM	S12LIWREFM:W12 S questionnaire reference period in months	Cont
13	S13LIWREFM	S13LIWREFM:W13 S questionnaire reference period in months	Cont
14	S14LIWREFM	S14LIWREFM:W14 S questionnaire reference period in months	Cont
15	S15LIWREFM	S15LIWREFM:W15 S questionnaire reference period in months	Cont
16	S16LIWREFM	S16LIWREFM:W16 S questionnaire reference period in months	Cont
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4	R4FLIWREF	R4FLIWREF:W4 R questionnaire reference period flag	Categ
5	R5FLIWREF	R5FLIWREF:W5 R questionnaire reference period flag	Categ
6	R6FLIWREF	R6FLIWREF:W6 R questionnaire reference period flag	Categ
7	R7FLIWREF	R7FLIWREF:W7 R questionnaire reference period flag	Categ
8	R8FLIWREF	R8FLIWREF:W8 R questionnaire reference period flag	Categ
9	R9FLIWREF	R9FLIWREF:W9 R questionnaire reference period flag	Categ
10	R10FLIWREF	R10FLIWREF:W10 R questionnaire reference period flag	Categ
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16	R16FLIWREF	R16FLIWREF:W16 R questionnaire reference period flag	Categ
3	S3FLIWREF	S3FLIWREF:W3 S questionnaire reference period flag	Categ
4	S4FLIWREF	S4FLIWREF:W4 S questionnaire reference period flag	Categ
5	S5FLIWREF	S5FLIWREF:W5 S questionnaire reference period flag	Categ
6	S6FLIWREF	S6FLIWREF:W6 S questionnaire reference period flag	Categ
7	S7FLIWREF	S7FLIWREF:W7 S questionnaire reference period flag	Categ
8	S8FLIWREF	S8FLIWREF:W8 S questionnaire reference period flag	Categ
9	S9FLIWREF	S9FLIWREF:W9 S questionnaire reference period flag	Categ
10	S10FLIWREF	S10FLIWREF:W10 S questionnaire reference period flag	Categ
11	S11FLIWREF	S11FLIWREF:W11 S questionnaire reference period flag	Categ
12	S12FLIWREF	S12FLIWREF:W12 S questionnaire reference period flag	Categ
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14	S14FLIWREF	S14FLIWREF:W14 S questionnaire reference period flag	Categ
15	S15FLIWREF	S15FLIWREF:W15 S questionnaire reference period flag	Categ
16	S16FLIWREF	S16FLIWREF:W16 S questionnaire reference period flag	Categ
E	REIWBEG	REIWBEG:EXIT Interview Begin Date	Cont
E	REIWEND	REIWEND:EXIT Interview End Date	Cont
E	REIWMID	REIWMID:EXIT Interview Midpt Date	Cont
E	REIWMIDF	REIWMIDF:EXIT Interview Midpt Date Flag	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1IWBEG	12652	11939.30	83.24	11779.0	12125.0
R2IWBEG	19642	12539.36	105.60	12341.0	12773.0
R3IWBEG	17991	13276.31	109.72	13102.0	13560.0
R4IWBEG	21384	14037.10	88.32	13894.0	14318.0
R5IWBEG	19578	14746.61	63.93	14624.0	14959.0
R6IWBEG	18165	15535.41	66.71	15355.0	15751.0
R7IWBEG	20129	16249.03	76.10	16116.0	16482.0
R8IWBEG	18469	16978.96	78.90	16875.0	17212.0
R9IWBEG	17217	17698.54	77.42	17577.0	17943.0
R10IWBEG	22034	18565.60	138.00	18336.0	18915.0
R11IWBEG	20554	19217.39	81.95	19098.0	19463.0
R12IWBEG	18747	19896.14	84.85	19797.0	20193.0
R13IWBEG	20912	20751.40	172.22	20499.0	21289.0
R14IWBEG	17146	21420.17	96.93	21289.0	21715.0
R15IWBEG	15723	22136.31	100.68	21989.0	22415.0
R16IWBEG	15787	22939.10	176.73	22719.0	23359.0
S1IWBEG	9900	11939.94	83.15	11779.0	12125.0
S2IWBEG	13090	12556.12	100.53	12341.0	12773.0
S3IWBEG	11917	13291.70	104.77	13102.0	13560.0
S4IWBEG	13980	14041.24	87.51	13894.0	14318.0
S5IWBEG	12730	14745.67	62.81	14624.0	14959.0
S6IWBEG	11639	15533.46	65.52	15355.0	15751.0
S7IWBEG	12972	16250.66	75.81	16116.0	16482.0
S8IWBEG	11735	16982.50	78.62	16875.0	17212.0
S9IWBEG	10646	17698.18	76.99	17577.0	17943.0
S10IWBEG	13513	18563.76	140.26	18336.0	18915.0
S11IWBEG	12484	19219.48	81.82	19098.0	19463.0
S12IWBEG	11012	19898.09	84.87	19797.0	20193.0
S13IWBEG	11779	20750.68	171.67	20499.0	21289.0
S14IWBEG	9358	21418.01	94.69	21289.0	21715.0
S15IWBEG	8477	22131.08	98.92	21989.0	22415.0
S16IWBEG	7840	22925.96	171.71	22719.0	23359.0
R1IWBEGF	12652	0.00	0.01	0.0	1.0
R2IWBEGF	19642	0.00	0.00	0.0	0.0
S1IWBEGF	9900	0.00	0.01	0.0	1.0
S2IWBEGF	13090	0.00	0.00	0.0	0.0
R1IWEND	12652	11939.95	83.30	11779.0	12125.0
R2IWEND	19642	12540.27	106.56	12341.0	12857.0
R3IWEND	17991	13277.50	111.09	13102.0	13560.0
R4IWEND	21384	14038.90	89.00	13894.0	14318.0
R5IWEND	19578	14748.04	64.73	14624.0	14959.0
R6IWEND	18165	15536.50	67.51	15445.0	15779.0
R7IWEND	20129	16249.03	76.10	16116.0	16482.0
R8IWEND	18469	16979.95	79.43	16875.0	17212.0
R9IWEND	17217	17699.66	78.02	17577.0	17943.0
R10IWEND	22034	18567.43	138.22	18336.0	18946.0
R11IWEND	20554	19220.21	83.79	19098.0	19493.0
R12IWEND	18747	19897.99	85.89	19797.0	20193.0
R13IWEND	20912	20755.39	173.94	20499.0	21319.0
R14IWEND	17146	21424.44	99.19	21289.0	21715.0
R15IWEND	15723	22141.25	103.37	21989.0	22415.0
R16IWEND	15787	22946.93	178.91	22719.0	23359.0

S1IWEND	9900	11940.49	83.19	11779.0	12125.0
S2IWEND	13090	12556.80	101.15	12341.0	12857.0
S3IWEND	11917	13292.66	105.77	13102.0	13560.0
S4IWEND	13980	14042.64	87.95	13925.0	14318.0
S5IWEND	12730	14746.80	63.35	14624.0	14959.0
S6IWEND	11639	15534.28	66.13	15445.0	15751.0
S7IWEND	12972	16250.66	75.81	16116.0	16482.0
S8IWEND	11735	16983.11	78.93	16875.0	17212.0
S9IWEND	10646	17698.85	77.32	17577.0	17943.0
S10IWEND	13513	18565.19	140.45	18336.0	18946.0
S11IWEND	12484	19221.69	83.28	19098.0	19493.0
S12IWEND	11012	19899.38	85.52	19797.0	20193.0
S13IWEND	11779	20753.51	172.79	20499.0	21289.0
S14IWEND	9358	21420.80	96.26	21289.0	21715.0
S15IWEND	8477	22134.47	100.91	21989.0	22415.0
S16IWEND	7840	22931.57	173.44	22719.0	23359.0
R1IWENDF	12652	0.01	0.30	0.0	7.0
R2IWENDF	19642	2.93	3.45	0.0	7.0
R3IWENDF	17991	3.34	2.93	1.0	7.0
S1IWENDF	9900	0.01	0.23	0.0	7.0
S2IWENDF	13090	2.33	3.30	0.0	7.0
S3IWENDF	11917	2.82	2.76	1.0	7.0
R1IWMID	12652	11939.63	83.22	11779.0	12125.0
R2IWMID	19642	12539.81	105.98	12341.0	12774.0
R3IWMID	17991	13276.90	110.28	13102.0	13560.0
R4IWMID	21384	14038.00	88.45	13894.0	14318.0
R5IWMID	19578	14747.32	64.14	14624.0	14959.0
R6IWMID	18165	15535.96	66.90	15445.0	15751.0
R7IWMID	20129	16249.03	76.10	16116.0	16482.0
R8IWMID	18469	16979.45	79.02	16875.0	17212.0
R9IWMID	17217	17699.10	77.55	17577.0	17943.0
R10IWMID	22034	18566.52	137.95	18336.0	18930.5
R11IWMID	20554	19218.80	82.39	19098.0	19463.0
R12IWMID	18747	19897.07	85.10	19797.0	20193.0
R13IWMID	20912	20753.39	172.60	20499.0	21289.0
R14IWMID	17146	21422.31	97.46	21289.0	21715.0
R15IWMID	15723	22138.78	101.39	21989.0	22415.0
R16IWMID	15787	22943.01	176.67	22719.0	23359.0
S1IWMID	9900	11940.21	83.12	11779.0	12125.0
S2IWMID	13090	12556.46	100.78	12341.0	12774.0
S3IWMID	11917	13292.18	105.18	13102.0	13560.0
S4IWMID	13980	14041.94	87.59	13925.0	14318.0
S5IWMID	12730	14746.23	62.95	14624.0	14959.0
S6IWMID	11639	15533.87	65.66	15445.0	15751.0
S7IWMID	12972	16250.66	75.81	16116.0	16482.0
S8IWMID	11735	16982.81	78.71	16875.0	17212.0
S9IWMID	10646	17698.51	77.08	17577.0	17943.0
S10IWMID	13513	18564.47	140.24	18336.0	18930.5
S11IWMID	12484	19220.58	82.17	19098.0	19463.0
S12IWMID	11012	19898.73	85.01	19797.0	20193.0
S13IWMID	11779	20752.10	171.94	20499.0	21289.0
S14IWMID	9358	21419.41	95.09	21289.0	21715.0
S15IWMID	8477	22132.77	99.46	21989.0	22415.0
S16IWMID	7840	22928.77	171.71	22719.0	23359.0

R1IWMIDF	12652	0.06	0.29	0.0	2.0
R2IWMIDF	19642	0.05	0.28	0.0	2.0
R3IWMIDF	17991	0.04	0.29	0.0	2.0
R4IWMIDF	21384	0.07	0.37	0.0	2.0
R5IWMIDF	19578	0.06	0.35	0.0	2.0
R6IWMIDF	18165	0.04	0.27	0.0	2.0
R7IWMIDF	20129	0.00	0.00	0.0	0.0
R8IWMIDF	18469	0.04	0.28	0.0	2.0
R9IWMIDF	17217	0.04	0.29	0.0	2.0
R10IWMIDF	22034	0.07	0.37	0.0	2.0
R11IWMIDF	20554	0.09	0.42	0.0	2.0
R12IWMIDF	18747	0.06	0.34	0.0	2.0
R13IWMIDF	20912	0.11	0.46	0.0	2.0
R14IWMIDF	17146	0.14	0.51	0.0	2.0
R15IWMIDF	15723	0.17	0.55	0.0	2.0
R16IWMIDF	15787	0.15	0.53	0.0	2.0
S1IWMIDF	9900	0.05	0.27	0.0	2.0
S2IWMIDF	13090	0.05	0.27	0.0	2.0
S3IWMIDF	11917	0.04	0.27	0.0	2.0
S4IWMIDF	13980	0.06	0.35	0.0	2.0
S5IWMIDF	12730	0.06	0.33	0.0	2.0
S6IWMIDF	11639	0.03	0.23	0.0	2.0
S7IWMIDF	12972	0.00	0.00	0.0	0.0
S8IWMIDF	11735	0.03	0.24	0.0	2.0
S9IWMIDF	10646	0.03	0.25	0.0	2.0
S10IWMIDF	13513	0.06	0.34	0.0	2.0
S11IWMIDF	12484	0.07	0.38	0.0	2.0
S12IWMIDF	11012	0.04	0.29	0.0	2.0
S13IWMIDF	11779	0.09	0.41	0.0	2.0
S14IWMIDF	9358	0.10	0.43	0.0	2.0
S15IWMIDF	8477	0.12	0.47	0.0	2.0
S16IWMIDF	7840	0.11	0.45	0.0	2.0
R1IWENDM	12652	7.39	3.04	1.0	12.0
R2IWENDM	19642	6.83	3.23	1.0	12.0
R3IWENDM	17991	6.87	3.31	1.0	12.0
R4IWENDM	21384	5.38	2.56	1.0	12.0
R5IWENDM	19578	5.09	2.12	1.0	12.0
R6IWENDM	18165	6.75	2.16	1.0	12.0
R7IWENDM	20129	6.24	2.45	1.0	12.0
R8IWENDM	18469	6.15	2.50	1.0	12.0
R9IWENDM	17217	5.82	2.44	1.0	12.0
R10IWENDM	22034	6.91	3.52	1.0	12.0
R11IWENDM	20554	6.96	2.50	1.0	12.0
R12IWENDM	18747	5.73	2.38	1.0	12.0
R13IWENDM	20912	6.65	2.92	1.0	12.0
R14IWENDM	17146	6.78	2.69	1.0	12.0
R15IWENDM	15723	6.65	2.95	1.0	12.0
R16IWENDM	15787	6.43	3.23	1.0	12.0
S1IWENDM	9900	7.41	3.04	1.0	12.0
S2IWENDM	13090	6.83	2.96	1.0	12.0
S3IWENDM	11917	6.95	3.01	1.0	12.0
S4IWENDM	13980	5.48	2.51	1.0	12.0
S5IWENDM	12730	5.05	2.08	1.0	12.0
S6IWENDM	11639	6.72	2.11	1.0	12.0
S7IWENDM	12972	6.31	2.44	1.0	12.0

S8IWENDM	11735	6.24	2.49	1.0	12.0
S9IWENDM	10646	5.80	2.42	1.0	12.0
S10IWENDM	13513	6.85	3.48	1.0	12.0
S11IWENDM	12484	7.01	2.49	1.0	12.0
S12IWENDM	11012	5.76	2.36	1.0	12.0
S13IWENDM	11779	6.73	2.89	1.0	12.0
S14IWENDM	9358	6.81	2.62	1.0	12.0
S15IWENDM	8477	6.59	2.90	1.0	12.0
S16IWENDM	7840	6.41	3.22	1.0	12.0
R1IWENDY	12652	1992.12	0.32	1992.0	1993.0
R2IWENDY	19642	1993.81	0.39	1993.0	1995.0
R3IWENDY	17991	1995.82	0.43	1995.0	1997.0
R4IWENDY	21384	1998.03	0.18	1998.0	1999.0
R5IWENDY	19578	2000.00	0.00	2000.0	2000.0
R6IWENDY	18165	2002.02	0.14	2002.0	2003.0
R7IWENDY	20129	2004.01	0.11	2004.0	2005.0
R8IWENDY	18469	2006.02	0.15	2006.0	2007.0
R9IWENDY	17217	2008.02	0.14	2008.0	2009.0
R10IWENDY	22034	2010.31	0.46	2010.0	2011.0
R11IWENDY	20554	2012.09	0.28	2012.0	2013.0
R12IWENDY	18747	2014.05	0.21	2014.0	2015.0
R13IWENDY	20912	2016.32	0.54	2016.0	2018.0
R14IWENDY	17146	2018.14	0.35	2018.0	2019.0
R15IWENDY	15723	2020.11	0.31	2020.0	2021.0
R16IWENDY	15787	2022.34	0.47	2022.0	2023.0
S1IWENDY	9900	1992.12	0.32	1992.0	1993.0
S2IWENDY	13090	1993.85	0.35	1993.0	1995.0
S3IWENDY	11917	1995.86	0.40	1995.0	1997.0
S4IWENDY	13980	1998.04	0.19	1998.0	1999.0
S5IWENDY	12730	2000.00	0.00	2000.0	2000.0
S6IWENDY	11639	2002.02	0.13	2002.0	2003.0
S7IWENDY	12972	2004.01	0.11	2004.0	2005.0
S8IWENDY	11735	2006.02	0.15	2006.0	2007.0
S9IWENDY	10646	2008.02	0.14	2008.0	2009.0
S10IWENDY	13513	2010.30	0.46	2010.0	2011.0
S11IWENDY	12484	2012.09	0.28	2012.0	2013.0
S12IWENDY	11012	2014.05	0.22	2014.0	2015.0
S13IWENDY	11779	2016.30	0.53	2016.0	2018.0
S14IWENDY	9358	2018.13	0.33	2018.0	2019.0
S15IWENDY	8477	2020.10	0.30	2020.0	2021.0
S16IWENDY	7840	2022.30	0.46	2022.0	2023.0
R3LIWREFM	17991	24.53	3.88	15.0	58.0
R4LIWREFM	21384	24.88	5.93	14.0	82.0
R5LIWREFM	19578	24.16	6.75	11.0	100.0
R6LIWREFM	18165	27.31	8.70	17.0	128.0
R7LIWREFM	20129	24.29	8.28	12.0	150.0
R8LIWREFM	18469	25.03	8.22	14.0	175.0
R9LIWREFM	17217	24.95	9.38	13.0	200.0
R10LIWREFM	22034	28.03	10.41	13.0	225.0
R11LIWREFM	20554	22.61	10.22	9.0	246.0
R12LIWREFM	18747	23.27	8.15	10.0	223.0
R13LIWREFM	20912	27.04	6.71	13.0	205.0
R14LIWREFM	17146	23.13	7.94	5.0	181.0
R15LIWREFM	15723	25.79	9.90	10.0	193.0
R16LIWREFM	15787	27.18	11.33	11.0	251.0

S3LIWREFM	11917	24.44	3.85	15.0	58.0
S4LIWREFM	13980	24.40	5.51	14.0	78.0
S5LIWREFM	12730	23.76	6.09	11.0	100.0
S6LIWREFM	11639	26.94	7.65	17.0	125.0
S7LIWREFM	12972	24.21	7.96	13.0	150.0
S8LIWREFM	11735	24.86	7.53	14.0	175.0
S9LIWREFM	10646	24.46	7.93	13.0	200.0
S10LIWREFM	13513	27.73	9.75	14.0	225.0
S11LIWREFM	12484	22.47	9.17	9.0	246.0
S12LIWREFM	11012	23.04	6.89	10.0	170.0
S13LIWREFM	11779	26.73	5.83	14.0	178.0
S14LIWREFM	9358	22.82	7.40	5.0	181.0
S15LIWREFM	8477	25.20	9.25	10.0	193.0
S16LIWREFM	7840	26.65	10.45	11.0	176.0
R3FLIWREF	17991	0.98	0.12	0.0	1.0
R4FLIWREF	21384	0.76	0.43	0.0	1.0
R5FLIWREF	19578	0.99	0.12	0.0	1.0
R6FLIWREF	18165	0.99	0.11	0.0	1.0
R7FLIWREF	20129	0.83	0.37	0.0	1.0
R8FLIWREF	18469	1.00	0.01	0.0	1.0
R9FLIWREF	17217	1.00	0.01	0.0	1.0
R10FLIWREF	22034	0.71	0.45	0.0	1.0
R11FLIWREF	20554	1.00	0.01	0.0	1.0
R12FLIWREF	18747	1.00	0.03	0.0	1.0
R13FLIWREF	20912	0.79	0.41	0.0	1.0
R14FLIWREF	17146	1.00	0.03	0.0	1.0
R15FLIWREF	15723	1.00	0.03	0.0	1.0
R16FLIWREF	15787	0.83	0.37	0.0	1.0
S3FLIWREF	11917	0.98	0.14	0.0	1.0
S4FLIWREF	13980	0.75	0.43	0.0	1.0
S5FLIWREF	12730	0.98	0.14	0.0	1.0
S6FLIWREF	11639	0.98	0.13	0.0	1.0
S7FLIWREF	12972	0.82	0.39	0.0	1.0
S8FLIWREF	11735	1.00	0.00	1.0	1.0
S9FLIWREF	10646	1.00	0.01	0.0	1.0
S10FLIWREF	13513	0.71	0.46	0.0	1.0
S11FLIWREF	12484	1.00	0.01	0.0	1.0
S12FLIWREF	11012	1.00	0.02	0.0	1.0
S13FLIWREF	11779	0.80	0.40	0.0	1.0
S14FLIWREF	9358	1.00	0.02	0.0	1.0
S15FLIWREF	8477	1.00	0.03	0.0	1.0
S16FLIWREF	7840	0.86	0.35	0.0	1.0
REIWBEG	17712	18050.89	2951.29	12571.0	23268.0
REIWEND	17712	18051.72	2951.99	12571.0	23268.0
REIWMID	17712	18051.31	2951.63	12571.0	23268.0
REIWMIDF	17712	0.02	0.22	0.0	2.0

Categorical Variable Codes

RwIWBEGF: Interview Beg Date Flag

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.M/D/Y ok	12651	19642								
1.Day miss	1									

Value	w11	w12	w13	w14	w15	w16
0.M/D/Y ok						
1.Day miss						

SwIWBEGF: Interview Beg Date Flag

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968								
.V=Spouse NR	379	584								
0.M/D/Y ok	9899	13090								
1.Day miss	1									

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried						
.V=Spouse NR						
0.M/D/Y ok						
1.Day miss						

RwIWENDF: Interview End Date Flag

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.M/D/Y ok	12621	11420								
1.Day miss	7		10964							
3.Day/mon miss	1									
7.Day/mon/yr miss	23	8222	7027							

Value	w11	w12	w13	w14	w15	w16
0.M/D/Y ok						
1.Day miss						
3.Day/mon miss						
7.Day/mon/yr miss						

SwIWENDF: Interview End Date Flag

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657							
.V=Spouse NR	379	584	417							
0.M/D/Y ok	9883	8741								
1.Day miss	6		8308							
3.Day/mon miss	1									
7.Day/mon/yr miss	10	4349	3609							

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried						
.V=Spouse NR						
0.M/D/Y ok						
1.Day miss						
3.Day/mon miss						
7.Day/mon/yr miss						

RwIWMIDF: Interview Midpt Date Flag

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.IVW beg dt=end dt	12033	18880	17613	20606	18954	17838	20129	18099	16850	21263
1.IVW beg day NE end day	452	477								
2.IVW beg dt NE end dt	167	285	378	778	624	327		370	367	771

Value	w11	w12	w13	w14	w15	w16
0.IVW beg dt=end dt	19592	18180	19751	15971	14408	14584
1.IVW beg day NE end day						
2.IVW beg dt NE end dt	962	567	1161	1175	1315	1203

SwIWMIDF: Interview Midpt Date Flag

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.IVW beg dt=end dt	9490	12605	11698	13534	12377	11478	12972	11558	10474	13117
1.IVW beg day NE end day	305	319								
2.IVW beg dt NE end dt	105	166	219	446	353	161		177	172	396

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	597	610	1109	1104	1044	1400
0.IVW beg dt=end dt	12016	10767	11270	8910	7978	7423
1.IVW beg day NE end day						
2.IVW beg dt NE end dt	468	245	509	448	499	417

REIWMIDF: EXIT Interview Midpt Date Flag

Value	
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.IVW beg dt=end dt	17500
1.IVW beg day NE end day	2
2.IVW beg dt NE end dt	210

RwFLIWREF: R questionnaire reference period flag

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No			282	5093	267	232	3332	1	1	6296
1.Yes			17709	16291	19311	17933	16797	18468	17216	15738

Value	w11	w12	w13	w14	w15	w16
0.No	3	17	4419	17	14	2662
1.Yes	20551	18730	16493	17129	15709	13125

SwFLIWREF: S questionnaire reference period flag

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			242	3506	249	215	2351		1	3956
1.Yes			11675	10474	12481	11424	10621	11735	10645	9557

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	597	610	1109	1104	1044	1400
0.No	2	4	2386	3	10	1133
1.Yes	12482	11008	9393	9355	8467	6707

How Constructed

Core Interview Variables

Interview date variables are derived from the beginning and ending interview dates. The RwIWBEG variables are the beginning interview dates and the RwIWEND variables are the ending interview dates. In some waves only one interview date is given, and it is used as both the beginning and ending date.

The RwIWMID variables are derived as the midpoint between the beginning and ending interview dates. From Wave 6 forward, and in Waves 2A and 3A of AHEAD, there is only one interview date given; this is used for the beginning, ending, and midpoint interview date.

Note that most beginning and ending interview dates are the same. In the cases where they differ, the interview is usually suspended near the beginning of the survey questions and picked up days, weeks, or months later. According to ISR, the ending

interview date is usually applicable to most of the interview, particularly in the later sections.

Many health and financial variables are worded to reference the period since the Respondent was last interviewed (e.g., see the sections on out-of-pocket medical expenditures and IRA withdrawals). RwLIWREFM counts the number of months during the period referenced by interviewers and the current date. RwLIWREFM is calculated as the number of months elapsed from the preloaded last interview month and year and the current interview month and year (RwIWEND). In order to reflect how questions were specifically asked of Respondents during the interview, preloaded information is used to calculate RwLIWREFM even when it disagrees with other data. Users should carefully review the "How Constructed" and "Cross Wave Differences in Original HRS Data" sections of the documentation for their variables of interest to understand how questions are asked in each wave.

RwFLIWREF is a flag variable that captures whether a Respondent has preloaded date information for their last interview. RwFLIWREF=1 when that information is available. When it is unavailable, RwFLIWREF=0 and RwLIWREFM is set to 24 months to capture that interviewers are instructed to use "in the prior two years" as the appropriate reference period. This occurs if the Respondent is part of a new cohort, is a new spouse, or has missing date information for their prior interview. These variables are available from Wave 3 forward. Prior to Wave 3, preload dates were not used to determine the reference period used when posing questions to Respondents.

RwIWBEG, RwIWMID, and RwIWEND are in SAS date format, which is the number of days relative to January 1, 1960. The interview day is available only for Waves 1, 2A, and 2H. From Wave 3 forward, the 15th of the interview month was used. RwIWBEGF, RwIWMIDF and RwIWENDF are flags that describe anomalies found in the early wave data. RwIWENDM and RwIWENDY provide the end interview month and year, respectively.

For 4 cases in HRS 1998, and for 1 case in HRS 1996, the interview year appears as 1980. For the 1998 cases, the median interview month and year for all other cases with the same version of the questionnaire is used. For the 1996 case, June 1996 is used.

For Waves 1, 2, 3A, 4, and from Wave 6 the Tracker variables were used instead of the corresponding raw variables for the beginning interview month and year.

For Waves 3H and 5, the Tracker variables were used instead of the corresponding raw variables for the ending interview month and year.

The spouse's variables are taken from the Wave "w" spouse's variables, i.e., from the Wave "w" spouse's RwIWBEG, RwIWBEGF, RwIWEND, RwIWENDF, RwIWMID, and RwIWMIDF.

Exit Interview Variables

Exit Interview dates are found in REIWBEG, REIWMID, and REIWEND for the beginning, midpoint, and ending dates, respectively. These variables are derived from the beginning, midpoint, and ending interview dates from the Exit Interview and Tracker files.

In Waves 2H, 3, and from Wave 6 forward, there is only one interview date given; this is used for the beginning, ending, and midpoint interview date. REIWMIDF is a flag variable that signals when beginning and ending interview dates are not the same; when the months and years are different, and when the actual day is different.

REIWBEG, REIWMID, and REIWEND dates are stored as numbers given by the number of days since (or before) January 1, 1960.

Core and Exit Differences

The Core Interview measures include flags indicating anomalies in the interview dates for the beginning and ending interview for Waves 1 and 2.

Cross Wave Differences in Original HRS Data

Core Interview Variables

In Waves 1 and 2H, the month, day, and year that the interview began and ended are given. In Wave 2A of AHEAD, the month, day, and year that the interview began are given, but not the corresponding ending dates. This is also true for Wave 3A, the only difference being that the day the interview began is also not given. From Wave 3H forward, the day of interview is not available.

Also, in Waves 3H and 4, two interview months are given which are not labeled beginning or end. A comparison of the two months determined which were the beginning and ending interview dates. For 4 cases in HRS 98, and for one case in HRS 96, the interview year appears as 1980.

In Wave 5 two interview months are given, which are labeled beginning and current month.

For Waves 1, 2, 4, and from Wave 6, the Tracker variables that correspond to the beginning interview month and year are available.

For Waves 3H and 5, the Tracker variables that correspond to the ending interview month and year are available.

Exit Interview Variables

From Wave 3 forward, we use Tracker data for beginning interview months and years. We do not have an interview start date so we impute the 15th day of the month. For Wave 2H, we use the recorded day instead of imputing the 15th day of the month.

Waves 2H, 4, and from Wave 6 forward, we utilize the interview ending date for month and year. In Waves 3 and 5, we use the Tracker only interview month and year. For Respondents with interviews in these waves, their REIWBEG and REIWEND are equal. For Wave 3 forward, we do not have the interview end date, therefore we impute the 15th day of the month.

HRS Variables Used

Core Interview Variables

```
AHEAD 1995:
    D95             W1 IW MONTH
    D96             W1 IW YEAR
HRS 1996:
    E95             PREV WAVE IW MONTH
    E96             PREV WAVE IW YEAR
HRS 1998:
    F218            PREV WAVE IW MONTH
    F219            PREV WAVE IW YEAR
HRS 2000:
    G218            PR218.PREV WAVE IW MONTH
    G219            PR219.PREV WAVE IW YEAR
HRS 2002-2022:
    xZ092           PREV WAVE IW MONTH
    xZ093           PREV WAVE IW YEAR
```

Exit Interview Variables

```
HRS 1998:
    Q699            MONTH OF INTERVIEW
    Q701            YEAR OF INTERVIEW
HRS 2002-2022:
    xA500           DATE OF INTERVIEW - MONTH
    xA501           DATE OF INTERVIEW - YEAR
```

Tracker Variables

```
AHEAD 1995:
    D95             W1 IW MONTH
    D96             W1 IW YEAR
HRS 1996:
    E95             PREV WAVE IW MONTH
    E96             PREV WAVE IW YEAR
HRS 1998:
    F218            PREV WAVE IW MONTH
    F219            PREV WAVE IW YEAR
HRS 2000:
    G218            PR218.PREV WAVE IW MONTH
    G219            PR219.PREV WAVE IW YEAR
HRS 2002-2022:
    xZ092           PREV WAVE IW MONTH
    xZ093           PREV WAVE IW YEAR
Tracker:
    xIWMONTH            1992-2022 INTERVIEW MONTH
    xIWYEAR             1992-2022 INTERVIEW YEAR
```

Birth date: Month, Year, and SAS date

Wave	Variable Name	Variable Label	Type
1	RABYEAR	RABYEAR: R birth year	Cont
1	S1BYEAR	S1BYEAR: S birth year	Cont
2	S2BYEAR	S2BYEAR: S birth year	Cont
3	S3BYEAR	S3BYEAR: S birth year	Cont
4	S4BYEAR	S4BYEAR: S birth year	Cont
5	S5BYEAR	S5BYEAR: S birth year	Cont
6	S6BYEAR	S6BYEAR: S birth year	Cont
7	S7BYEAR	S7BYEAR: S birth year	Cont
8	S8BYEAR	S8BYEAR: S birth year	Cont
9	S9BYEAR	S9BYEAR: S birth year	Cont
10	S10BYEAR	S10BYEAR: S birth year	Cont
11	S11BYEAR	S11BYEAR: S birth year	Cont
12	S12BYEAR	S12BYEAR: S birth year	Cont
13	S13BYEAR	S13BYEAR: S birth year	Cont
14	S14BYEAR	S14BYEAR: S birth year	Cont
15	S15BYEAR	S15BYEAR: S birth year	Cont
16	S16BYEAR	S16BYEAR: S birth year	Cont
1	RABMONTH	RABMONTH: R birth month	Cont
1	S1BMONTH	S1BMONTH: S birth month	Cont
2	S2BMONTH	S2BMONTH: S birth month	Cont
3	S3BMONTH	S3BMONTH: S birth month	Cont
4	S4BMONTH	S4BMONTH: S birth month	Cont
5	S5BMONTH	S5BMONTH: S birth month	Cont
6	S6BMONTH	S6BMONTH: S birth month	Cont
7	S7BMONTH	S7BMONTH: S birth month	Cont
8	S8BMONTH	S8BMONTH: S birth month	Cont
9	S9BMONTH	S9BMONTH: S birth month	Cont
10	S10BMONTH	S10BMONTH: S birth month	Cont
11	S11BMONTH	S11BMONTH: S birth month	Cont
12	S12BMONTH	S12BMONTH: S birth month	Cont
13	S13BMONTH	S13BMONTH: S birth month	Cont
14	S14BMONTH	S14BMONTH: S birth month	Cont
15	S15BMONTH	S15BMONTH: S birth month	Cont
16	S16BMONTH	S16BMONTH: S birth month	Cont
1	RABFLAG	RABFLAG: R flag birthdate missings	Categ
1	S1BFLAG	S1BFLAG: S flag birthdate missings	Categ
2	S2BFLAG	S2BFLAG: S flag birthdate missings	Categ
3	S3BFLAG	S3BFLAG: S flag birthdate missings	Categ
4	S4BFLAG	S4BFLAG: S flag birthdate missings	Categ
5	S5BFLAG	S5BFLAG: S flag birthdate missings	Categ
6	S6BFLAG	S6BFLAG: S flag birthdate missings	Categ
7	S7BFLAG	S7BFLAG: S flag birthdate missings	Categ
8	S8BFLAG	S8BFLAG: S flag birthdate missings	Categ
9	S9BFLAG	S9BFLAG: S flag birthdate missings	Categ
10	S10BFLAG	S10BFLAG: S flag birthdate missings	Categ
11	S11BFLAG	S11BFLAG: S flag birthdate missings	Categ
12	S12BFLAG	S12BFLAG: S flag birthdate missings	Categ
13	S13BFLAG	S13BFLAG: S flag birthdate missings	Categ
14	S14BFLAG	S14BFLAG: S flag birthdate missings	Categ
15	S15BFLAG	S15BFLAG: S flag birthdate missings	Categ
16	S16BFLAG	S16BFLAG: S flag birthdate missings	Categ
1	RABDATE	RABDATE: R birth date	Cont
1	S1BDATE	S1BDATE: S birth date	Cont
2	S2BDATE	S2BDATE: S birth date	Cont
3	S3BDATE	S3BDATE: S birth date	Cont
4	S4BDATE	S4BDATE: S birth date	Cont
5	S5BDATE	S5BDATE: S birth date	Cont
6	S6BDATE	S6BDATE: S birth date	Cont
7	S7BDATE	S7BDATE: S birth date	Cont

8	S8BDATE	S8BDATE: S birth date	Cont
9	S9BDATE	S9BDATE: S birth date	Cont
10	S10BDATE	S10BDATE: S birth date	Cont
11	S11BDATE	S11BDATE: S birth date	Cont
12	S12BDATE	S12BDATE: S birth date	Cont
13	S13BDATE	S13BDATE: S birth date	Cont
14	S14BDATE	S14BDATE: S birth date	Cont
15	S15BDATE	S15BDATE: S birth date	Cont
16	S16BDATE	S16BDATE: S birth date	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RABYEAR	45164	1941.78	17.07	1890.0	1995.0
S1BYEAR	10279	1936.57	6.14	1907.0	1969.0
S2BYEAR	13585	1930.77	10.51	1890.0	1971.0
S3BYEAR	12255	1931.56	10.14	1898.0	1974.0
S4BYEAR	14508	1933.94	10.18	1900.0	1973.0
S5BYEAR	13040	1934.72	9.80	1900.0	1976.0
S6BYEAR	11858	1935.58	9.41	1900.0	1980.0
S7BYEAR	13352	1939.26	10.52	1900.0	1976.0
S8BYEAR	12051	1939.82	10.18	1907.0	1983.0
S9BYEAR	11011	1940.53	9.95	1909.0	1986.0
S10BYEAR	14236	1946.17	11.19	1912.0	1992.0
S11BYEAR	13080	1946.77	10.83	1912.0	1992.0
S12BYEAR	11620	1947.68	10.49	1915.0	1995.0
S13BYEAR	12873	1952.13	11.22	1916.0	1999.0
S14BYEAR	10456	1952.57	10.80	1916.0	1995.0
S15BYEAR	9513	1953.33	10.30	1919.0	1995.0
S16BYEAR	9231	1955.88	10.66	1924.0	1995.0
RABMONTH	45164	6.54	3.43	1.0	12.0
S1BMONTH	10279	6.46	3.41	1.0	12.0
S2BMONTH	13585	6.46	3.41	1.0	12.0
S3BMONTH	12255	6.45	3.41	1.0	12.0
S4BMONTH	14508	6.51	3.42	1.0	12.0
S5BMONTH	13040	6.52	3.41	1.0	12.0
S6BMONTH	11858	6.52	3.40	1.0	12.0
S7BMONTH	13352	6.55	3.40	1.0	12.0
S8BMONTH	12051	6.56	3.40	1.0	12.0
S9BMONTH	11011	6.56	3.40	1.0	12.0
S10BMONTH	14236	6.60	3.41	1.0	12.0
S11BMONTH	13080	6.59	3.41	1.0	12.0
S12BMONTH	11620	6.58	3.41	1.0	12.0
S13BMONTH	12873	6.57	3.40	1.0	12.0
S14BMONTH	10456	6.59	3.38	1.0	12.0
S15BMONTH	9513	6.61	3.37	1.0	12.0
S16BMONTH	9231	6.58	3.27	1.0	12.0
RABFLAG	45165	0.00	0.04	0.0	3.0
S1BFLAG	10279	0.00	0.03	0.0	1.0
S2BFLAG	13610	0.01	0.13	0.0	3.0
S3BFLAG	12276	0.01	0.13	0.0	3.0
S4BFLAG	14512	0.01	0.09	0.0	3.0

S5BFLAG	13041	0.00	0.04	0.0	3.0
S6BFLAG	11858	0.00	0.06	0.0	1.0
S7BFLAG	13352	0.00	0.07	0.0	1.0
S8BFLAG	12051	0.00	0.07	0.0	1.0
S9BFLAG	11011	0.01	0.08	0.0	1.0
S10BFLAG	14236	0.01	0.09	0.0	1.0
S11BFLAG	13080	0.01	0.10	0.0	1.0
S12BFLAG	11620	0.01	0.10	0.0	1.0
S13BFLAG	12874	0.02	0.13	0.0	3.0
S14BFLAG	10456	0.02	0.16	0.0	1.0
S15BFLAG	9513	0.03	0.16	0.0	1.0
S16BFLAG	9234	0.08	0.28	0.0	3.0
RABDATE	45164	-6472.42	6234.97	-25371.0	13010.0
S1BDATE	10279	-8376.46	2244.91	-19313.0	3361.0
S2BDATE	13585	-10496.47	3840.25	-25371.0	4032.0
S3BDATE	12255	-10206.45	3702.59	-22599.0	5340.0
S4BDATE	14508	-9335.88	3717.96	-21900.0	4883.0
S5BDATE	13040	-9051.07	3578.12	-21900.0	6102.0
S6BDATE	11858	-8737.84	3438.28	-21900.0	7440.0
S7BDATE	13352	-7394.29	3843.81	-21900.0	6102.0
S8BDATE	12051	-7188.31	3720.63	-19313.0	8658.0
S9BDATE	11011	-6927.20	3637.26	-18309.0	9678.0
S10BDATE	14236	-4865.84	4086.72	-17213.0	11823.0
S11BDATE	13080	-4647.48	3957.03	-17213.0	11823.0
S12BDATE	11620	-4314.95	3833.19	-16363.0	12949.0
S13BDATE	12873	-2692.44	4099.67	-15875.0	14502.0
S14BDATE	10456	-2528.87	3944.66	-15875.0	12949.0
S15BDATE	9513	-2253.18	3760.43	-14749.0	12949.0
S16BDATE	9231	-1321.17	3891.03	-12891.0	12949.0

Categorical Variable Codes

RABFLAG: R flag birthdate missings

Value	
0.Mo/Yr OK	45100
1.Mo missing	64
3.Mo/Yr missing	1

SwBFLAG: S flag birthdate missings

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		64	58	4		1		1		1
0.Mo/Yr OK	10270	13573	12241	14436	13026	11812	13295	11993	10942	14125
1.Mo missing	9	12	14	72	14	46	57	58	69	111
3.Mo/Yr missing		25	21	4	1					

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	1	2	14	6	8	6
0.Mo/Yr OK	12947	11496	12651	10197	9262	8462
1.Mo missing	133	124	222	259	251	769
3.Mo/Yr missing			1			3

How Constructed

RABMONTH and RABYEAR are the Respondent's reported birth month and year, respectively. RABDATE is the SAS date format of the birth date. The SAS date format is the number of days since 1/1/1960. If a date is before 1960 the SAS date is a negative number; if after 1960 it is a positive number.

The Respondent birth date is derived by searching all waves of data and Tracker for a non-missing date. The first non-missing birth month is used beginning with the Tracker BIRTHMO and BIRTHYR, and then the core data from Wave 1 forward, consecutively.

To calculate RABDATE, a day must also be used. If the birth month is given, the 15th is used as the day. If the month is missing but year is given, the day is July 1st and RABMONTH is set to 7. If the year is missing, the birth date is missing. RABFLAG indicates if the birth month is missing.

Spouse birth date is taken from the Wave "w" spouse's self-reported birth date, i.e., from the spouse's RABMONTH, RABYEAR, and RABDATE. If the spouse never responded, then the birth month and year of spouse as reported by the Respondent in Wave "w" is used.

HRS Variables Used

```
HRS 1992:
    V42             R:BIRTHDATE:MONTH
    V44             R:BIRTHDATE:YEAR
AHEAD 1993:
    B114            A1. BIRTH YEAR
HRS 1994:
    W212            A11. R:Birthdate:Month
```

```
    W53             Year of Birth
AHEAD 1995:
    D636            A1. BIRTHDATE MONTH
    D638            A1B. BIRTHDATE YEAR
HRS 1996:
    E636            A1.BIRTHDATE MONTH
    E638            A1B.BIRTHDATE YEAR
HRS 1998:
    F488            CS2A.R BIRTHDATE
    F685            R BIRTH YEAR
    F968            A1.BIRTHDATE MONTH
    F970            A1B.BIRTHDATE YEAR
HRS 2000:
    G1051           A1.BIRTHDATE MONTH
    G1053           A1B.BIRTHDATE YEAR
    G756            CS22Y33.R BIRTH YEAR TE
HRS 2002-2022:
    xX004_R         R MONTH BORN-UPDATED
    xX067_R         YEAR BORN-UPDATED
Tracker:
    BIRTHMO             BIRTHDATE: MONTH
    BIRTHYR             BIRTHDATE: YEAR
```

Death Date: Month, Year, and SAS date

Wave	Variable Name	Variable Label	Type
1	RADYEAR	RADYEAR: R death year	Cont
1	S1DYEAR	S1DYEAR: S death year	Cont
2	S2DYEAR	S2DYEAR: S death year	Cont
3	S3DYEAR	S3DYEAR: S death year	Cont
4	S4DYEAR	S4DYEAR: S death year	Cont
5	S5DYEAR	S5DYEAR: S death year	Cont
6	S6DYEAR	S6DYEAR: S death year	Cont
7	S7DYEAR	S7DYEAR: S death year	Cont
8	S8DYEAR	S8DYEAR: S death year	Cont
9	S9DYEAR	S9DYEAR: S death year	Cont
10	S10DYEAR	S10DYEAR: S death year	Cont
11	S11DYEAR	S11DYEAR: S death year	Cont
12	S12DYEAR	S12DYEAR: S death year	Cont
13	S13DYEAR	S13DYEAR: S death year	Cont
14	S14DYEAR	S14DYEAR: S death year	Cont
15	S15DYEAR	S15DYEAR: S death year	Cont
16	S16DYEAR	S16DYEAR: S death year	Cont
1	RADMONTH	RADMONTH: R death month	Cont
1	S1DMONTH	S1DMONTH: S death month	Cont
2	S2DMONTH	S2DMONTH: S death month	Cont
3	S3DMONTH	S3DMONTH: S death month	Cont
4	S4DMONTH	S4DMONTH: S death month	Cont
5	S5DMONTH	S5DMONTH: S death month	Cont
6	S6DMONTH	S6DMONTH: S death month	Cont
7	S7DMONTH	S7DMONTH: S death month	Cont
8	S8DMONTH	S8DMONTH: S death month	Cont
9	S9DMONTH	S9DMONTH: S death month	Cont
10	S10DMONTH	S10DMONTH: S death month	Cont
11	S11DMONTH	S11DMONTH: S death month	Cont
12	S12DMONTH	S12DMONTH: S death month	Cont
13	S13DMONTH	S13DMONTH: S death month	Cont
14	S14DMONTH	S14DMONTH: S death month	Cont
15	S15DMONTH	S15DMONTH: S death month	Cont
16	S16DMONTH	S16DMONTH: S death month	Cont
1	RADDATE	RADDATE: R death date	Cont
1	S1DDATE	S1DDATE: S death date	Cont
2	S2DDATE	S2DDATE: S death date	Cont
3	S3DDATE	S3DDATE: S death date	Cont
4	S4DDATE	S4DDATE: S death date	Cont
5	S5DDATE	S5DDATE: S death date	Cont
6	S6DDATE	S6DDATE: S death date	Cont
7	S7DDATE	S7DDATE: S death date	Cont
8	S8DDATE	S8DDATE: S death date	Cont
9	S9DDATE	S9DDATE: S death date	Cont
10	S10DDATE	S10DDATE: S death date	Cont
11	S11DDATE	S11DDATE: S death date	Cont
12	S12DDATE	S12DDATE: S death date	Cont
13	S13DDATE	S13DDATE: S death date	Cont
14	S14DDATE	S14DDATE: S death date	Cont
15	S15DDATE	S15DDATE: S death date	Cont
16	S16DDATE	S16DDATE: S death date	Cont
1	RADSRC	RADSRC: R death date source	Categ
1	S1DSRC	S1DSRC: S death date source	Categ
2	S2DSRC	S2DSRC: S death date source	Categ
3	S3DSRC	S3DSRC: S death date source	Categ
4	S4DSRC	S4DSRC: S death date source	Categ
5	S5DSRC	S5DSRC: S death date source	Categ
6	S6DSRC	S6DSRC: S death date source	Categ
7	S7DSRC	S7DSRC: S death date source	Categ

8	S8DSRC	S8DSRC: S death date source	Categ
9	S9DSRC	S9DSRC: S death date source	Categ
10	S10DSRC	S10DSRC: S death date source	Categ
11	S11DSRC	S11DSRC: S death date source	Categ
12	S12DSRC	S12DSRC: S death date source	Categ
13	S13DSRC	S13DSRC: S death date source	Categ
14	S14DSRC	S14DSRC: S death date source	Categ
15	S15DSRC	S15DSRC: S death date source	Categ
16	S16DSRC	S16DSRC: S death date source	Categ
1	RADTIMTDTH	RADTIMTDTH: Number of Months from last Core interview to Death Date	Cont
1	S1DTIMTDTH	S1DTIMTDTH: Number of Months from last Core interview to Death Date	Cont
2	S2DTIMTDTH	S2DTIMTDTH: Number of Months from last Core interview to Death Date	Cont
3	S3DTIMTDTH	S3DTIMTDTH: Number of Months from last Core interview to Death Date	Cont
4	S4DTIMTDTH	S4DTIMTDTH: Number of Months from last Core interview to Death Date	Cont
5	S5DTIMTDTH	S5DTIMTDTH: Number of Months from last Core interview to Death Date	Cont
6	S6DTIMTDTH	S6DTIMTDTH: Number of Months from last Core interview to Death Date	Cont
7	S7DTIMTDTH	S7DTIMTDTH: Number of Months from last Core interview to Death Date	Cont
8	S8DTIMTDTH	S8DTIMTDTH: Number of Months from last Core interview to Death Date	Cont
9	S9DTIMTDTH	S9DTIMTDTH: Number of Months from last Core interview to Death Date	Cont
10	S10DTIMTDTH	S10DTIMTDTH: Number of Months from last Core interview to Death Dat	Cont
11	S11DTIMTDTH	S11DTIMTDTH: Number of Months from last Core interview to Death Dat	Cont
12	S12DTIMTDTH	S12DTIMTDTH: Number of Months from last Core interview to Death Dat	Cont
13	S13DTIMTDTH	S13DTIMTDTH: Number of Months from last Core interview to Death Dat	Cont
14	S14DTIMTDTH	S14DTIMTDTH: Number of Months from last Core interview to Death Dat	Cont
15	S15DTIMTDTH	S15DTIMTDTH: Number of Months from last Core interview to Death Dat	Cont
16	S16DTIMTDTH	S16DTIMTDTH: Number of Months from last Core interview to Death Dat	Cont
E	REPLDEATH	REPLDEATH:EXIT Place of death	Categ
E	REXPDEATH	REXPDEATH:EXIT Death expected?	Categ
E	RET2DEATH	RET2DEATH:EXIT Time from start of final illness to death	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RADYEAR	19144	2008.06	8.27	1992.0	2023.0
S1DYEAR	5281	2009.83	8.29	1992.0	2023.0
S2DYEAR	8828	2007.73	8.06	1992.0	2023.0
S3DYEAR	7771	2008.85	7.55	1995.0	2023.0
S4DYEAR	8430	2010.37	6.91	1998.0	2023.0
S5DYEAR	7361	2011.45	6.32	2000.0	2023.0
S6DYEAR	6381	2012.59	5.67	2002.0	2023.0
S7DYEAR	5936	2013.56	5.19	2002.0	2023.0
S8DYEAR	5099	2014.52	4.60	2004.0	2023.0
S9DYEAR	4288	2015.45	4.06	2006.0	2023.0
S10DYEAR	3817	2016.57	3.48	2008.0	2023.0
S11DYEAR	3117	2017.34	2.99	2011.0	2023.0
S12DYEAR	2293	2018.34	2.41	2012.0	2023.0
S13DYEAR	1602	2019.40	1.82	2014.0	2023.0
S14DYEAR	916	2020.35	1.25	2017.0	2023.0
S15DYEAR	457	2021.17	0.89	2018.0	2023.0
S16DYEAR	3	2022.33	0.58	2022.0	2023.0
RADMONTH	19005	6.52	3.55	1.0	12.0
S1DMONTH	5255	6.67	3.58	1.0	12.0
S2DMONTH	8780	6.52	3.56	1.0	12.0
S3DMONTH	7727	6.53	3.56	1.0	12.0
S4DMONTH	8386	6.55	3.57	1.0	12.0
S5DMONTH	7320	6.54	3.59	1.0	12.0

S6DMONTH	6344	6.53	3.59	1.0	12.0
S7DMONTH	5898	6.53	3.59	1.0	12.0
S8DMONTH	5068	6.51	3.59	1.0	12.0
S9DMONTH	4263	6.53	3.60	1.0	12.0
S10DMONTH	3794	6.46	3.60	1.0	12.0
S11DMONTH	3098	6.49	3.61	1.0	12.0
S12DMONTH	2276	6.42	3.60	1.0	12.0
S13DMONTH	1591	6.43	3.58	1.0	12.0
S14DMONTH	910	6.55	3.65	1.0	12.0
S15DMONTH	456	6.49	3.66	1.0	12.0
S16DMONTH	3	7.00	5.00	2.0	12.0
RADDATE	19144	17752.58	3016.02	11961.0	23222.0
S1DDATE	5281	18401.50	3018.69	11961.0	23222.0
S2DDATE	8828	17631.86	2943.04	11747.0	23222.0
S3DDATE	7771	18039.98	2756.33	13117.0	23222.0
S4DDATE	8430	18596.59	2518.99	13938.0	23222.0
S5DDATE	7361	18991.46	2304.55	14669.0	23222.0
S6DDATE	6381	19404.53	2067.58	15491.0	23222.0
S7DDATE	5936	19758.68	1889.94	15371.0	23222.0
S8DDATE	5099	20111.82	1675.40	16405.0	23222.0
S9DDATE	4288	20449.17	1477.65	17044.0	23222.0
S10DDATE	3817	20856.93	1267.41	17866.0	23222.0
S11DDATE	3117	21141.39	1083.19	18747.0	23222.0
S12DDATE	2293	21504.58	874.00	19236.0	23222.0
S13DDATE	1602	21890.11	653.93	20088.0	23222.0
S14DDATE	916	22241.30	438.67	20850.0	23222.0
S15DDATE	457	22538.96	305.08	21243.0	23222.0
S16DDATE	3	22978.67	260.42	22704.0	23222.0
RADSRC	19144	1.26	0.81	1.0	4.0
S1DSRC	5281	1.35	0.93	1.0	4.0
S2DSRC	8828	1.20	0.71	1.0	4.0
S3DSRC	7771	1.20	0.70	1.0	4.0
S4DSRC	8430	1.20	0.70	1.0	4.0
S5DSRC	7361	1.21	0.72	1.0	4.0
S6DSRC	6381	1.20	0.70	1.0	4.0
S7DSRC	5936	1.22	0.72	1.0	4.0
S8DSRC	5099	1.23	0.73	1.0	4.0
S9DSRC	4288	1.25	0.75	1.0	4.0
S10DSRC	3817	1.28	0.78	1.0	4.0
S11DSRC	3117	1.29	0.78	1.0	4.0
S12DSRC	2293	1.32	0.80	1.0	4.0
S13DSRC	1602	1.36	0.83	1.0	4.0
S14DSRC	916	1.33	0.76	1.0	4.0
S15DSRC	457	1.32	0.75	1.0	4.0
S16DSRC	3	3.33	0.58	3.0	4.0
RADTIMTDTH	19143	18.58	18.33	0.0	227.0
S1DTIMTDTH	5254	19.68	20.55	0.0	218.0
S2DTIMTDTH	8760	18.30	18.30	0.0	218.0
S3DTIMTDTH	7759	18.12	17.37	0.0	206.0
S4DTIMTDTH	8414	18.30	17.25	0.0	225.0
S5DTIMTDTH	7351	18.65	17.47	0.0	225.0
S6DTIMTDTH	6378	18.36	16.67	0.0	211.0
S7DTIMTDTH	5932	18.50	16.18	0.0	187.0

S8DTIMTDTH	5093	18.43	15.93	0.0	187.0
S9DTIMTDTH	4284	18.44	15.71	0.0	184.0
S10DTIMTDTH	3805	18.66	16.07	0.0	139.0
S11DTIMTDTH	3109	19.02	16.52	0.0	225.0
S12DTIMTDTH	2281	19.38	15.45	0.0	129.0
S13DTIMTDTH	1587	18.80	14.57	0.0	126.0
S14DTIMTDTH	906	17.31	12.12	0.0	94.0
S15DTIMTDTH	450	17.00	12.39	0.0	98.0
S16DTIMTDTH	3	42.33	31.56	18.0	78.0
REPLDEATH	17500	2.32	1.35	1.0	7.0
REXPDEATH	17433	1.58	1.08	1.0	7.0
RET2DEATH	16884	4.12	1.54	1.0	6.0

Categorical Variable Codes

RADSRC: R death date source

Value	
.X=No death date	26021
1.Respondent's exit intervi	17223
2.Core interview of respond	171
3.Date respondent was repor	429
4.Imputed date	1321

SwDSRC: S death date source

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		64	65	62	34	37	45	50	58	92
.X=No death date	4998	4782	4498	6024	5646	5441	7371	6903	6665	10328
1.Respondent's exit intervi	4567	8124	7158	7734	6724	5842	5371	4586	3814	3315
2.Core interview of respond	76	99	84	103	97	89	99	98	100	122
3.Date respondent was repor	128	137	139	182	169	160	187	177	160	177
4.Imputed date	510	468	390	411	371	290	279	238	214	203

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	95	101	200	195	154	254
.X=No death date	9869	9228	11086	9351	8910	8983
1.Respondent's exit intervi	2681	1930	1313	753	377	
2.Core interview of respond	120	109	83	53	25	
3.Date respondent was repor	156	138	125	82	43	2
4.Imputed date	160	116	81	28	12	1

REPLDEATH: EXIT Place of death

Value	
.D=DK	18
.M=Oth missing	18
.Q=Not Asked This Wv	175
.R=RF	1
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
1. In Hospital	6202
2. In Nursing Home	3710
3. At Home	5374
4. In Hospice	1407
5. Assisted Living Facility	239
7. Other (Specify); Includi	568

REXPDEATH: EXIT Death expected?

Value	
.D=DK	83
.M=Oth missing	18
.Q=Not Asked This Wv	175
.R=RF	3
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
1. Expected	10021
2. Unexpected	6879
7. Other (Specify)	533

RET2DEATH: EXIT Time from start of final illness to death

Value	
.D=DK	449
.M=Oth missing	18
.Q Not Asked This Wv	175
.R=RF	16
.S=Skip	170
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
1. One Or Two Hours (Or No	1526
2. Less Than A Day	1141
3. Less Than A Week	2813
4. Less Than A Month	3375
5. Less Than A Year	4338
6. More Than A Year	3691

How Constructed

Core Interview Variables

RADYEAR and RADMONTH are the year and month of death ascertained by HRS and populated by either the Exit Interview or spouse reported year of death information. These death dates are taken directly from the Tracker file. RADDATE is the SAS date format of the Death date. RADSRC is the source of the death date variables. RADTIMTDTH is the number of months between the last

core interview and death date.

To calculate RADDATE, a day must also be used. If the death month is given, the last day of the month is used as the day. If the month is missing but year is given, and the year is the same as the last live interview, the month and day are set using the mean date between the last interview date and the last day of the year. Otherwise if the month is missing, the death date is set to July 1st of the death year. If the year is missing, the death date is missing.

Spouse death information is taken from the Wave "w" spouse's death date, i.e., from the spouse's RADDATE, RADSRC or RADTIMTDH.

Exit Interview Variables

REPLDEATH indicates where the Respondent was at the time of death. It is constructed from an Exit Interview question and the response options are: a hospital, a nursing home, home, hospice, assisted living facility/rest home/retirement home/senior care home and other. In Wave 2H, place of death is not asked, therefore REPLDEATH is coded .Q for "not asked this wave."

REXPDEATH indicates if the Respondent's death was expected or unexpected. It is derived from the cover sheet question, "Was the death expected at about the time it occurred or was it unexpected...?" The response options are expected, unexpected, and other.

RET2DEATH is the length of time between start of final illness and death. All waves are coded as intervals of time from one or two hours to more than a year.

Cross Wave Differences in Original HRS Data

Exit Interview Variables

Place of Death was not asked in Wave 2H. In all other waves, the Exit Interview asks, "At the time of death, was [she/he] in a hospital, in a nursing home, at home, in a hospice, or what?" From Wave 6 forward, the category for assisted living facility/rest home/retirement home/senior care home was added as a response. For Wave 8, the code "Home" includes hospice care at home at the time of death.

In Wave 2H, the question to derive REXPDEATH was not asked. In Wave 3H, the skip pattern results in 75 percent of Respondents skipping this question. In all other waves this question was answered consistently.

HRS Variables Used

Exit Interview Variables

```
AHEAD 1995:
    N226            CS2cx.PLACE OF DEATH
    N233            CS2jx.EXPECTED DEATH?
    N235            CS2mx.TIME TO DEATH
HRS 1996:
    P226            CS2cx.PLACE OF DEATH
    P233            CS2jx.EXPECTED DEATH?
    P237            CS2mx.TIME TO DEATH
HRS 1998:
    Q491            CS2cx.PLACE OF DEATH
    Q496            CS2jx.EXPECTED DEATH?
    Q500            CS2mx.TIME TO DEATH
HRS 2000:
    R525            CS2cx.PLACE OF DEATH
```

```
    R530            CS2jx.EXPECTED DEATH?
    R532            CS2mx.TIME TO DEATH
HRS 2002-2022:
    xA124           LOCATION OF DEATH
    xA126M          R DIED- STATE - MASKED
    xA131           DEATH EXPECTED/UNEXPECTED
    xA134           DURATION FINAL ILLNESS/DEATH
```

Tracker Variables

```
Tracker:
    KNOWNDECEASEDMO     KNOWN DECEASED - MONTH
    KNOWNDECEASEDSOURCE KNOWN DECEASED - SOURCE
    KNOWNDECEASEDYR     KNOWN DECEASED - YEAR
```

Age at interview, death (in months and years)

Wave	Variable Name	Variable Label	Type
1	R1AGEM_B	R1AGEM_B:W1 R Age (months) at Ivw BegMon	Cont
2	R2AGEM_B	R2AGEM_B:W2 R Age (months) at Ivw BegMon	Cont
3	R3AGEM_B	R3AGEM_B:W3 R Age (months) at Ivw BegMon	Cont
4	R4AGEM_B	R4AGEM_B:W4 R Age (months) at Ivw BegMon	Cont
5	R5AGEM_B	R5AGEM_B:W5 R Age (months) at Ivw BegMon	Cont
6	R6AGEM_B	R6AGEM_B:W6 R Age (months) at Ivw BegMon	Cont
7	R7AGEM_B	R7AGEM_B:W7 R Age (months) at Ivw BegMon	Cont
8	R8AGEM_B	R8AGEM_B:W8 R Age (months) at Ivw BegMon	Cont
9	R9AGEM_B	R9AGEM_B:W9 R Age (months) at Ivw BegMon	Cont
10	R10AGEM_B	R10AGEM_B:W10 R Age (months) at Ivw BegMon	Cont
11	R11AGEM_B	R11AGEM_B:W11 R Age (months) at Ivw BegMon	Cont
12	R12AGEM_B	R12AGEM_B:W12 R Age (months) at Ivw BegMon	Cont
13	R13AGEM_B	R13AGEM_B:W13 R Age (months) at Ivw BegMon	Cont
14	R14AGEM_B	R14AGEM_B:W14 R Age (months) at Ivw BegMon	Cont
15	R15AGEM_B	R15AGEM_B:W15 R Age (months) at Ivw BegMon	Cont
16	R16AGEM_B	R16AGEM_B:W16 R Age (months) at Ivw BegMon	Cont
1	S1AGEM_B	S1AGEM_B:W1 S Age (months) at Ivw BegMon	Cont
2	S2AGEM_B	S2AGEM_B:W2 S Age (months) at Ivw BegMon	Cont
3	S3AGEM_B	S3AGEM_B:W3 S Age (months) at Ivw BegMon	Cont
4	S4AGEM_B	S4AGEM_B:W4 S Age (months) at Ivw BegMon	Cont
5	S5AGEM_B	S5AGEM_B:W5 S Age (months) at Ivw BegMon	Cont
6	S6AGEM_B	S6AGEM_B:W6 S Age (months) at Ivw BegMon	Cont
7	S7AGEM_B	S7AGEM_B:W7 S Age (months) at Ivw BegMon	Cont
8	S8AGEM_B	S8AGEM_B:W8 S Age (months) at Ivw BegMon	Cont
9	S9AGEM_B	S9AGEM_B:W9 S Age (months) at Ivw BegMon	Cont
10	S10AGEM_B	S10AGEM_B:W10 S Age (months) at Ivw BegMon	Cont
11	S11AGEM_B	S11AGEM_B:W11 S Age (months) at Ivw BegMon	Cont
12	S12AGEM_B	S12AGEM_B:W12 S Age (months) at Ivw BegMon	Cont
13	S13AGEM_B	S13AGEM_B:W13 S Age (months) at Ivw BegMon	Cont
14	S14AGEM_B	S14AGEM_B:W14 S Age (months) at Ivw BegMon	Cont
15	S15AGEM_B	S15AGEM_B:W15 S Age (months) at Ivw BegMon	Cont
16	S16AGEM_B	S16AGEM_B:W16 S Age (months) at Ivw BegMon	Cont
1	R1AGEY_B	R1AGEY_B:W1 R Age (years) at Ivw BegMon	Cont
2	R2AGEY_B	R2AGEY_B:W2 R Age (years) at Ivw BegMon	Cont
3	R3AGEY_B	R3AGEY_B:W3 R Age (years) at Ivw BegMon	Cont
4	R4AGEY_B	R4AGEY_B:W4 R Age (years) at Ivw BegMon	Cont
5	R5AGEY_B	R5AGEY_B:W5 R Age (years) at Ivw BegMon	Cont
6	R6AGEY_B	R6AGEY_B:W6 R Age (years) at Ivw BegMon	Cont
7	R7AGEY_B	R7AGEY_B:W7 R Age (years) at Ivw BegMon	Cont
8	R8AGEY_B	R8AGEY_B:W8 R Age (years) at Ivw BegMon	Cont
9	R9AGEY_B	R9AGEY_B:W9 R Age (years) at Ivw BegMon	Cont
10	R10AGEY_B	R10AGEY_B:W10 R Age (years) at Ivw BegMon	Cont
11	R11AGEY_B	R11AGEY_B:W11 R Age (years) at Ivw BegMon	Cont
12	R12AGEY_B	R12AGEY_B:W12 R Age (years) at Ivw BegMon	Cont
13	R13AGEY_B	R13AGEY_B:W13 R Age (years) at Ivw BegMon	Cont
14	R14AGEY_B	R14AGEY_B:W14 R Age (years) at Ivw BegMon	Cont
15	R15AGEY_B	R15AGEY_B:W15 R Age (years) at Ivw BegMon	Cont
16	R16AGEY_B	R16AGEY_B:W16 R Age (years) at Ivw BegMon	Cont
1	S1AGEY_B	S1AGEY_B:W1 S Age (years) at Ivw BegMon	Cont
2	S2AGEY_B	S2AGEY_B:W2 S Age (years) at Ivw BegMon	Cont
3	S3AGEY_B	S3AGEY_B:W3 S Age (years) at Ivw BegMon	Cont
4	S4AGEY_B	S4AGEY_B:W4 S Age (years) at Ivw BegMon	Cont
5	S5AGEY_B	S5AGEY_B:W5 S Age (years) at Ivw BegMon	Cont
6	S6AGEY_B	S6AGEY_B:W6 S Age (years) at Ivw BegMon	Cont
7	S7AGEY_B	S7AGEY_B:W7 S Age (years) at Ivw BegMon	Cont
8	S8AGEY_B	S8AGEY_B:W8 S Age (years) at Ivw BegMon	Cont
9	S9AGEY_B	S9AGEY_B:W9 S Age (years) at Ivw BegMon	Cont
10	S10AGEY_B	S10AGEY_B:W10 S Age (years) at Ivw BegMon	Cont
11	S11AGEY_B	S11AGEY_B:W11 S Age (years) at Ivw BegMon	Cont
12	S12AGEY_B	S12AGEY_B:W12 S Age (years) at Ivw BegMon	Cont
13	S13AGEY_B	S13AGEY_B:W13 S Age (years) at Ivw BegMon	Cont
14	S14AGEY_B	S14AGEY_B:W14 S Age (years) at Ivw BegMon	Cont
15	S15AGEY_B	S15AGEY_B:W15 S Age (years) at Ivw BegMon	Cont

16	S16AGEY_B	S16AGEY_B:W16 S Age (years) at Ivw BegMon	Cont
1	R1AGEM_E	R1AGEM_E:W1 R Age (months) at Ivw EndMon	Cont
2	R2AGEM_E	R2AGEM_E:W2 R Age (months) at Ivw EndMon	Cont
3	R3AGEM_E	R3AGEM_E:W3 R Age (months) at Ivw EndMon	Cont
4	R4AGEM_E	R4AGEM_E:W4 R Age (months) at Ivw EndMon	Cont
5	R5AGEM_E	R5AGEM_E:W5 R Age (months) at Ivw EndMon	Cont
6	R6AGEM_E	R6AGEM_E:W6 R Age (months) at Ivw EndMon	Cont
7	R7AGEM_E	R7AGEM_E:W7 R Age (months) at Ivw EndMon	Cont
8	R8AGEM_E	R8AGEM_E:W8 R Age (months) at Ivw EndMon	Cont
9	R9AGEM_E	R9AGEM_E:W9 R Age (months) at Ivw EndMon	Cont
10	R10AGEM_E	R10AGEM_E:W10 R Age (months) at Ivw EndMon	Cont
11	R11AGEM_E	R11AGEM_E:W11 R Age (months) at Ivw EndMon	Cont
12	R12AGEM_E	R12AGEM_E:W12 R Age (months) at Ivw EndMon	Cont
13	R13AGEM_E	R13AGEM_E:W13 R Age (months) at Ivw EndMon	Cont
14	R14AGEM_E	R14AGEM_E:W14 R Age (months) at Ivw EndMon	Cont
15	R15AGEM_E	R15AGEM_E:W15 R Age (months) at Ivw EndMon	Cont
16	R16AGEM_E	R16AGEM_E:W16 R Age (months) at Ivw EndMon	Cont
1	S1AGEM_E	S1AGEM_E:W1 S Age (months) at Ivw EndMon	Cont
2	S2AGEM_E	S2AGEM_E:W2 S Age (months) at Ivw EndMon	Cont
3	S3AGEM_E	S3AGEM_E:W3 S Age (months) at Ivw EndMon	Cont
4	S4AGEM_E	S4AGEM_E:W4 S Age (months) at Ivw EndMon	Cont
5	S5AGEM_E	S5AGEM_E:W5 S Age (months) at Ivw EndMon	Cont
6	S6AGEM_E	S6AGEM_E:W6 S Age (months) at Ivw EndMon	Cont
7	S7AGEM_E	S7AGEM_E:W7 S Age (months) at Ivw EndMon	Cont
8	S8AGEM_E	S8AGEM_E:W8 S Age (months) at Ivw EndMon	Cont
9	S9AGEM_E	S9AGEM_E:W9 S Age (months) at Ivw EndMon	Cont
10	S10AGEM_E	S10AGEM_E:W10 S Age (months) at Ivw EndMon	Cont
11	S11AGEM_E	S11AGEM_E:W11 S Age (months) at Ivw EndMon	Cont
12	S12AGEM_E	S12AGEM_E:W12 S Age (months) at Ivw EndMon	Cont
13	S13AGEM_E	S13AGEM_E:W13 S Age (months) at Ivw EndMon	Cont
14	S14AGEM_E	S14AGEM_E:W14 S Age (months) at Ivw EndMon	Cont
15	S15AGEM_E	S15AGEM_E:W15 S Age (months) at Ivw EndMon	Cont
16	S16AGEM_E	S16AGEM_E:W16 S Age (months) at Ivw EndMon	Cont
1	R1AGEY_E	R1AGEY_E:W1 R Age (years) at Ivw EndMon	Cont
2	R2AGEY_E	R2AGEY_E:W2 R Age (years) at Ivw EndMon	Cont
3	R3AGEY_E	R3AGEY_E:W3 R Age (years) at Ivw EndMon	Cont
4	R4AGEY_E	R4AGEY_E:W4 R Age (years) at Ivw EndMon	Cont
5	R5AGEY_E	R5AGEY_E:W5 R Age (years) at Ivw EndMon	Cont
6	R6AGEY_E	R6AGEY_E:W6 R Age (years) at Ivw EndMon	Cont
7	R7AGEY_E	R7AGEY_E:W7 R Age (years) at Ivw EndMon	Cont
8	R8AGEY_E	R8AGEY_E:W8 R Age (years) at Ivw EndMon	Cont
9	R9AGEY_E	R9AGEY_E:W9 R Age (years) at Ivw EndMon	Cont
10	R10AGEY_E	R10AGEY_E:W10 R Age (years) at Ivw EndMon	Cont
11	R11AGEY_E	R11AGEY_E:W11 R Age (years) at Ivw EndMon	Cont
12	R12AGEY_E	R12AGEY_E:W12 R Age (years) at Ivw EndMon	Cont
13	R13AGEY_E	R13AGEY_E:W13 R Age (years) at Ivw EndMon	Cont
14	R14AGEY_E	R14AGEY_E:W14 R Age (years) at Ivw EndMon	Cont
15	R15AGEY_E	R15AGEY_E:W15 R Age (years) at Ivw EndMon	Cont
16	R16AGEY_E	R16AGEY_E:W16 R Age (years) at Ivw EndMon	Cont
1	S1AGEY_E	S1AGEY_E:W1 S Age (years) at Ivw EndMon	Cont
2	S2AGEY_E	S2AGEY_E:W2 S Age (years) at Ivw EndMon	Cont
3	S3AGEY_E	S3AGEY_E:W3 S Age (years) at Ivw EndMon	Cont
4	S4AGEY_E	S4AGEY_E:W4 S Age (years) at Ivw EndMon	Cont
5	S5AGEY_E	S5AGEY_E:W5 S Age (years) at Ivw EndMon	Cont
6	S6AGEY_E	S6AGEY_E:W6 S Age (years) at Ivw EndMon	Cont
7	S7AGEY_E	S7AGEY_E:W7 S Age (years) at Ivw EndMon	Cont
8	S8AGEY_E	S8AGEY_E:W8 S Age (years) at Ivw EndMon	Cont
9	S9AGEY_E	S9AGEY_E:W9 S Age (years) at Ivw EndMon	Cont
10	S10AGEY_E	S10AGEY_E:W10 S Age (years) at Ivw EndMon	Cont
11	S11AGEY_E	S11AGEY_E:W11 S Age (years) at Ivw EndMon	Cont
12	S12AGEY_E	S12AGEY_E:W12 S Age (years) at Ivw EndMon	Cont
13	S13AGEY_E	S13AGEY_E:W13 S Age (years) at Ivw EndMon	Cont
14	S14AGEY_E	S14AGEY_E:W14 S Age (years) at Ivw EndMon	Cont
15	S15AGEY_E	S15AGEY_E:W15 S Age (years) at Ivw EndMon	Cont
16	S16AGEY_E	S16AGEY_E:W16 S Age (years) at Ivw EndMon	Cont
1	R1AGEM_M	R1AGEM_M:W1 R Age (months) at Ivw MidMon	Cont
2	R2AGEM_M	R2AGEM_M:W2 R Age (months) at Ivw MidMon	Cont

3	R3AGEM_M	R3AGEM_M:W3 R Age (months) at Ivw MidMon	Cont
4	R4AGEM_M	R4AGEM_M:W4 R Age (months) at Ivw MidMon	Cont
5	R5AGEM_M	R5AGEM_M:W5 R Age (months) at Ivw MidMon	Cont
6	R6AGEM_M	R6AGEM_M:W6 R Age (months) at Ivw MidMon	Cont
7	R7AGEM_M	R7AGEM_M:W7 R Age (months) at Ivw MidMon	Cont
8	R8AGEM_M	R8AGEM_M:W8 R Age (months) at Ivw MidMon	Cont
9	R9AGEM_M	R9AGEM_M:W9 R Age (months) at Ivw MidMon	Cont
10	R10AGEM_M	R10AGEM_M:W10 R Age (months) at Ivw MidMon	Cont
11	R11AGEM_M	R11AGEM_M:W11 R Age (months) at Ivw MidMon	Cont
12	R12AGEM_M	R12AGEM_M:W12 R Age (months) at Ivw MidMon	Cont
13	R13AGEM_M	R13AGEM_M:W13 R Age (months) at Ivw MidMon	Cont
14	R14AGEM_M	R14AGEM_M:W14 R Age (months) at Ivw MidMon	Cont
15	R15AGEM_M	R15AGEM_M:W15 R Age (months) at Ivw MidMon	Cont
16	R16AGEM_M	R16AGEM_M:W16 R Age (months) at Ivw MidMon	Cont
1	S1AGEM_M	S1AGEM_M:W1 S Age (months) at Ivw MidMon	Cont
2	S2AGEM_M	S2AGEM_M:W2 S Age (months) at Ivw MidMon	Cont
3	S3AGEM_M	S3AGEM_M:W3 S Age (months) at Ivw MidMon	Cont
4	S4AGEM_M	S4AGEM_M:W4 S Age (months) at Ivw MidMon	Cont
5	S5AGEM_M	S5AGEM_M:W5 S Age (months) at Ivw MidMon	Cont
6	S6AGEM_M	S6AGEM_M:W6 S Age (months) at Ivw MidMon	Cont
7	S7AGEM_M	S7AGEM_M:W7 S Age (months) at Ivw MidMon	Cont
8	S8AGEM_M	S8AGEM_M:W8 S Age (months) at Ivw MidMon	Cont
9	S9AGEM_M	S9AGEM_M:W9 S Age (months) at Ivw MidMon	Cont
10	S10AGEM_M	S10AGEM_M:W10 S Age (months) at Ivw MidMon	Cont
11	S11AGEM_M	S11AGEM_M:W11 S Age (months) at Ivw MidMon	Cont
12	S12AGEM_M	S12AGEM_M:W12 S Age (months) at Ivw MidMon	Cont
13	S13AGEM_M	S13AGEM_M:W13 S Age (months) at Ivw MidMon	Cont
14	S14AGEM_M	S14AGEM_M:W14 S Age (months) at Ivw MidMon	Cont
15	S15AGEM_M	S15AGEM_M:W15 S Age (months) at Ivw MidMon	Cont
16	S16AGEM_M	S16AGEM_M:W16 S Age (months) at Ivw MidMon	Cont
1	R1AGEY_M	R1AGEY_M:W1 R Age (years) at Ivw MidMon	Cont
2	R2AGEY_M	R2AGEY_M:W2 R Age (years) at Ivw MidMon	Cont
3	R3AGEY_M	R3AGEY_M:W3 R Age (years) at Ivw MidMon	Cont
4	R4AGEY_M	R4AGEY_M:W4 R Age (years) at Ivw MidMon	Cont
5	R5AGEY_M	R5AGEY_M:W5 R Age (years) at Ivw MidMon	Cont
6	R6AGEY_M	R6AGEY_M:W6 R Age (years) at Ivw MidMon	Cont
7	R7AGEY_M	R7AGEY_M:W7 R Age (years) at Ivw MidMon	Cont
8	R8AGEY_M	R8AGEY_M:W8 R Age (years) at Ivw MidMon	Cont
9	R9AGEY_M	R9AGEY_M:W9 R Age (years) at Ivw MidMon	Cont
10	R10AGEY_M	R10AGEY_M:W10 R Age (years) at Ivw MidMon	Cont
11	R11AGEY_M	R11AGEY_M:W11 R Age (years) at Ivw MidMon	Cont
12	R12AGEY_M	R12AGEY_M:W12 R Age (years) at Ivw MidMon	Cont
13	R13AGEY_M	R13AGEY_M:W13 R Age (years) at Ivw MidMon	Cont
14	R14AGEY_M	R14AGEY_M:W14 R Age (years) at Ivw MidMon	Cont
15	R15AGEY_M	R15AGEY_M:W15 R Age (years) at Ivw MidMon	Cont
16	R16AGEY_M	R16AGEY_M:W16 R Age (years) at Ivw MidMon	Cont
1	S1AGEY_M	S1AGEY_M:W1 S Age (years) at Ivw MidMon	Cont
2	S2AGEY_M	S2AGEY_M:W2 S Age (years) at Ivw MidMon	Cont
3	S3AGEY_M	S3AGEY_M:W3 S Age (years) at Ivw MidMon	Cont
4	S4AGEY_M	S4AGEY_M:W4 S Age (years) at Ivw MidMon	Cont
5	S5AGEY_M	S5AGEY_M:W5 S Age (years) at Ivw MidMon	Cont
6	S6AGEY_M	S6AGEY_M:W6 S Age (years) at Ivw MidMon	Cont
7	S7AGEY_M	S7AGEY_M:W7 S Age (years) at Ivw MidMon	Cont
8	S8AGEY_M	S8AGEY_M:W8 S Age (years) at Ivw MidMon	Cont
9	S9AGEY_M	S9AGEY_M:W9 S Age (years) at Ivw MidMon	Cont
10	S10AGEY_M	S10AGEY_M:W10 S Age (years) at Ivw MidMon	Cont
11	S11AGEY_M	S11AGEY_M:W11 S Age (years) at Ivw MidMon	Cont
12	S12AGEY_M	S12AGEY_M:W12 S Age (years) at Ivw MidMon	Cont
13	S13AGEY_M	S13AGEY_M:W13 S Age (years) at Ivw MidMon	Cont
14	S14AGEY_M	S14AGEY_M:W14 S Age (years) at Ivw MidMon	Cont
15	S15AGEY_M	S15AGEY_M:W15 S Age (years) at Ivw MidMon	Cont
16	S16AGEY_M	S16AGEY_M:W16 S Age (years) at Ivw MidMon	Cont
1	RADAGE_M	RADAGE_M: Age at Death in Months	Cont
1	S1DAGE_M	S1DAGE_M: Age at Death in Months	Cont
2	S2DAGE_M	S2DAGE_M: Age at Death in Months	Cont
3	S3DAGE_M	S3DAGE_M: Age at Death in Months	Cont
4	S4DAGE_M	S4DAGE_M: Age at Death in Months	Cont

5	S5DAGE_M	S5DAGE_M: Age at Death in Months	Cont
6	S6DAGE_M	S6DAGE_M: Age at Death in Months	Cont
7	S7DAGE_M	S7DAGE_M: Age at Death in Months	Cont
8	S8DAGE_M	S8DAGE_M: Age at Death in Months	Cont
9	S9DAGE_M	S9DAGE_M: Age at Death in Months	Cont
10	S10DAGE_M	S10DAGE_M: Age at Death in Months	Cont
11	S11DAGE_M	S11DAGE_M: Age at Death in Months	Cont
12	S12DAGE_M	S12DAGE_M: Age at Death in Months	Cont
13	S13DAGE_M	S13DAGE_M: Age at Death in Months	Cont
14	S14DAGE_M	S14DAGE_M: Age at Death in Months	Cont
15	S15DAGE_M	S15DAGE_M: Age at Death in Months	Cont
16	S16DAGE_M	S16DAGE_M: Age at Death in Months	Cont
1	RADAGE_Y	RADAGE_Y: Age at Death in Years	Cont
1	S1DAGE_Y	S1DAGE_Y: Age at Death in Years	Cont
2	S2DAGE_Y	S2DAGE_Y: Age at Death in Years	Cont
3	S3DAGE_Y	S3DAGE_Y: Age at Death in Years	Cont
4	S4DAGE_Y	S4DAGE_Y: Age at Death in Years	Cont
5	S5DAGE_Y	S5DAGE_Y: Age at Death in Years	Cont
6	S6DAGE_Y	S6DAGE_Y: Age at Death in Years	Cont
7	S7DAGE_Y	S7DAGE_Y: Age at Death in Years	Cont
8	S8DAGE_Y	S8DAGE_Y: Age at Death in Years	Cont
9	S9DAGE_Y	S9DAGE_Y: Age at Death in Years	Cont
10	S10DAGE_Y	S10DAGE_Y: Age at Death in Years	Cont
11	S11DAGE_Y	S11DAGE_Y: Age at Death in Years	Cont
12	S12DAGE_Y	S12DAGE_Y: Age at Death in Years	Cont
13	S13DAGE_Y	S13DAGE_Y: Age at Death in Years	Cont
14	S14DAGE_Y	S14DAGE_Y: Age at Death in Years	Cont
15	S15DAGE_Y	S15DAGE_Y: Age at Death in Years	Cont
16	S16DAGE_Y	S16DAGE_Y: Age at Death in Years	Cont
E	RESPAGEY_B	RESPAGEY_B:EXIT S Age (years) at Exit Ivw BegMon	Cont
E	RESPAGEY_M	RESPAGEY_M:EXIT S Age (years) at Exit Ivw MidMon	Cont
E	RESPAGEY_E	RESPAGEY_E:EXIT S Age (years) at Exit Ivw EndMon	Cont
E	RESPAGEM_B	RESPAGEM_B:EXIT S Age (months) at Exit Ivw BegMon	Cont
E	RESPAGEM_M	RESPAGEM_M:EXIT S Age (months) at Exit Ivw MidMon	Cont
E	RESPAGEM_E	RESPAGEM_E:EXIT S Age (months) at Exit Ivw EndMon	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1AGEM_B	12651	668.63	68.01	278.0	1025.0
R2AGEM_B	19641	787.15	137.17	285.0	1243.0
R3AGEM_B	17991	801.76	133.57	264.0	1265.0
R4AGEM_B	21384	796.78	133.29	305.0	1264.0
R5AGEM_B	19578	811.08	130.07	284.0	1292.0
R6AGEM_B	18165	825.92	125.94	308.0	1316.0
R7AGEM_B	20129	804.31	137.90	296.0	1289.0
R8AGEM_B	18469	821.40	133.19	305.0	1255.0
R9AGEM_B	17217	835.91	129.11	301.0	1280.0
R10AGEM_B	22034	793.36	143.58	227.0	1308.0
R11AGEM_B	20554	807.72	139.09	244.0	1244.0
R12AGEM_B	18747	820.41	135.14	226.0	1253.0
R13AGEM_B	20912	793.91	141.54	255.0	1285.0
R14AGEM_B	17146	809.45	136.80	275.0	1253.0
R15AGEM_B	15723	822.56	130.10	297.0	1250.0
R16AGEM_B	15787	818.00	131.82	325.0	1276.0
S1AGEM_B	10279	667.44	73.73	278.0	1025.0
S2AGEM_B	13585	757.39	123.85	285.0	1243.0
S3AGEM_B	12255	772.07	119.26	263.0	1177.0
S4AGEM_B	14508	768.11	121.37	304.0	1185.0

S5AGEM_B	13040	781.86	117.42	282.0	1203.0
S6AGEM_B	11858	797.45	112.85	269.0	1227.0
S7AGEM_B	13352	776.86	125.73	331.0	1250.0
S8AGEM_B	12051	794.16	121.71	274.0	1191.0
S9AGEM_B	11011	809.08	119.29	270.0	1185.0
S10AGEM_B	14236	769.85	133.91	226.0	1178.0
S11AGEM_B	13080	784.16	129.43	244.0	1196.0
S12AGEM_B	11620	795.57	125.43	226.0	1196.0
S13AGEM_B	12873	770.43	132.68	216.0	1199.0
S14AGEM_B	10456	786.96	128.66	275.0	1224.0
S15AGEM_B	9513	801.24	123.01	297.0	1208.0
S16AGEM_B	9231	797.07	126.72	324.0	1177.0
R1AGEY_B	12651	55.26	5.67	23.0	85.0
R2AGEY_B	19641	65.13	11.44	23.0	103.0
R3AGEY_B	17991	66.36	11.14	22.0	105.0
R4AGEY_B	21384	65.93	11.12	25.0	105.0
R5AGEY_B	19578	67.13	10.84	23.0	107.0
R6AGEY_B	18165	68.37	10.50	25.0	109.0
R7AGEY_B	20129	66.57	11.50	24.0	107.0
R8AGEY_B	18469	67.99	11.10	25.0	104.0
R9AGEY_B	17217	69.20	10.76	25.0	106.0
R10AGEY_B	22034	65.66	11.97	18.0	109.0
R11AGEY_B	20554	66.85	11.60	20.0	103.0
R12AGEY_B	18747	67.90	11.27	18.0	104.0
R13AGEY_B	20912	65.70	11.80	21.0	107.0
R14AGEY_B	17146	66.99	11.40	22.0	104.0
R15AGEY_B	15723	68.09	10.85	24.0	104.0
R16AGEY_B	15787	67.71	10.99	27.0	106.0
S1AGEY_B	10279	55.16	6.15	23.0	85.0
S2AGEY_B	13585	62.66	10.32	23.0	103.0
S3AGEY_B	12255	63.88	9.94	21.0	98.0
S4AGEY_B	14508	63.54	10.12	25.0	98.0
S5AGEY_B	13040	64.69	9.79	23.0	100.0
S6AGEY_B	11858	66.00	9.41	22.0	102.0
S7AGEY_B	13352	64.28	10.48	27.0	104.0
S8AGEY_B	12051	65.72	10.14	22.0	99.0
S9AGEY_B	11011	66.96	9.95	22.0	98.0
S10AGEY_B	14236	63.69	11.16	18.0	98.0
S11AGEY_B	13080	64.89	10.79	20.0	99.0
S12AGEY_B	11620	65.83	10.46	18.0	99.0
S13AGEY_B	12873	63.74	11.06	18.0	99.0
S14AGEY_B	10456	65.11	10.73	22.0	102.0
S15AGEY_B	9513	66.31	10.26	24.0	100.0
S16AGEY_B	9231	65.97	10.57	27.0	98.0
R1AGEM_E	12651	668.65	68.01	278.0	1025.0
R2AGEM_E	19641	787.18	137.15	285.0	1243.0
R3AGEM_E	17991	801.80	133.54	264.0	1265.0
R4AGEM_E	21384	796.84	133.30	305.0	1264.0
R5AGEM_E	19578	811.13	130.08	284.0	1292.0
R6AGEM_E	18165	825.95	125.94	308.0	1316.0
R7AGEM_E	20129	804.31	137.90	296.0	1289.0
R8AGEM_E	18469	821.44	133.19	305.0	1255.0
R9AGEM_E	17217	835.94	129.11	301.0	1280.0
R10AGEM_E	22034	793.42	143.57	227.0	1308.0
R11AGEM_E	20554	807.82	139.08	244.0	1244.0
R12AGEM_E	18747	820.47	135.14	226.0	1253.0

R13AGEM_E	20912	794.05	141.52	255.0	1285.0
R14AGEM_E	17146	809.58	136.80	275.0	1253.0
R15AGEM_E	15723	822.72	130.08	297.0	1255.0
R16AGEM_E	15787	818.26	131.78	325.0	1276.0
S1AGEM_E	10279	667.45	73.73	278.0	1025.0
S2AGEM_E	13585	757.41	123.84	285.0	1243.0
S3AGEM_E	12255	772.11	119.24	263.0	1177.0
S4AGEM_E	14508	768.16	121.37	304.0	1185.0
S5AGEM_E	13040	781.90	117.42	282.0	1203.0
S6AGEM_E	11858	797.48	112.84	269.0	1227.0
S7AGEM_E	13352	776.86	125.73	331.0	1250.0
S8AGEM_E	12051	794.18	121.70	274.0	1191.0
S9AGEM_E	11011	809.11	119.28	270.0	1185.0
S10AGEM_E	14236	769.90	133.89	226.0	1178.0
S11AGEM_E	13080	784.24	129.41	244.0	1196.0
S12AGEM_E	11620	795.62	125.42	226.0	1196.0
S13AGEM_E	12873	770.54	132.66	216.0	1199.0
S14AGEM_E	10456	787.07	128.65	275.0	1224.0
S15AGEM_E	9513	801.38	122.99	297.0	1208.0
S16AGEM_E	9231	797.29	126.67	324.0	1177.0
R1AGEY_E	12651	55.26	5.67	23.0	85.0
R2AGEY_E	19641	65.14	11.43	23.0	103.0
R3AGEY_E	17991	66.36	11.13	22.0	105.0
R4AGEY_E	21384	65.94	11.12	25.0	105.0
R5AGEY_E	19578	67.13	10.84	23.0	107.0
R6AGEY_E	18165	68.37	10.50	25.0	109.0
R7AGEY_E	20129	66.57	11.50	24.0	107.0
R8AGEY_E	18469	67.99	11.10	25.0	104.0
R9AGEY_E	17217	69.20	10.76	25.0	106.0
R10AGEY_E	22034	65.66	11.97	18.0	109.0
R11AGEY_E	20554	66.85	11.60	20.0	103.0
R12AGEY_E	18747	67.91	11.27	18.0	104.0
R13AGEY_E	20912	65.71	11.79	21.0	107.0
R14AGEY_E	17146	67.00	11.40	22.0	104.0
R15AGEY_E	15723	68.10	10.85	24.0	104.0
R16AGEY_E	15787	67.73	10.99	27.0	106.0
S1AGEY_E	10279	55.16	6.15	23.0	85.0
S2AGEY_E	13585	62.66	10.32	23.0	103.0
S3AGEY_E	12255	63.89	9.94	21.0	98.0
S4AGEY_E	14508	63.55	10.12	25.0	98.0
S5AGEY_E	13040	64.69	9.79	23.0	100.0
S6AGEY_E	11858	66.00	9.41	22.0	102.0
S7AGEY_E	13352	64.28	10.48	27.0	104.0
S8AGEY_E	12051	65.72	10.14	22.0	99.0
S9AGEY_E	11011	66.96	9.95	22.0	98.0
S10AGEY_E	14236	63.70	11.16	18.0	98.0
S11AGEY_E	13080	64.89	10.79	20.0	99.0
S12AGEY_E	11620	65.84	10.46	18.0	99.0
S13AGEY_E	12873	63.75	11.06	18.0	99.0
S14AGEY_E	10456	65.12	10.73	22.0	102.0
S15AGEY_E	9513	66.32	10.26	24.0	100.0
S16AGEY_E	9231	65.99	10.57	27.0	98.0
R1AGEM_M	12651	668.64	68.01	278.0	1025.0
R2AGEM_M	19641	787.16	137.16	285.0	1243.0
R3AGEM_M	17991	801.77	133.56	264.0	1265.0

R4AGEM_M	21384	796.79	133.30	305.0	1264.0
R5AGEM_M	19578	811.09	130.07	284.0	1292.0
R6AGEM_M	18165	825.93	125.94	308.0	1316.0
R7AGEM_M	20129	804.31	137.90	296.0	1289.0
R8AGEM_M	18469	821.41	133.19	305.0	1255.0
R9AGEM_M	17217	835.91	129.11	301.0	1280.0
R10AGEM_M	22034	793.37	143.58	227.0	1308.0
R11AGEM_M	20554	807.75	139.08	244.0	1244.0
R12AGEM_M	18747	820.43	135.14	226.0	1253.0
R13AGEM_M	20912	793.96	141.53	255.0	1285.0
R14AGEM_M	17146	809.49	136.80	275.0	1253.0
R15AGEM_M	15723	822.61	130.09	297.0	1252.0
R16AGEM_M	15787	818.10	131.80	325.0	1276.0
S1AGEM_M	10279	667.44	73.73	278.0	1025.0
S2AGEM_M	13585	757.40	123.84	285.0	1243.0
S3AGEM_M	12255	772.08	119.25	263.0	1177.0
S4AGEM_M	14508	768.12	121.37	304.0	1185.0
S5AGEM_M	13040	781.87	117.42	282.0	1203.0
S6AGEM_M	11858	797.46	112.84	269.0	1227.0
S7AGEM_M	13352	776.86	125.73	331.0	1250.0
S8AGEM_M	12051	794.16	121.70	274.0	1191.0
S9AGEM_M	11011	809.09	119.28	270.0	1185.0
S10AGEM_M	14236	769.86	133.90	226.0	1178.0
S11AGEM_M	13080	784.19	129.42	244.0	1196.0
S12AGEM_M	11620	795.59	125.43	226.0	1196.0
S13AGEM_M	12873	770.46	132.67	216.0	1199.0
S14AGEM_M	10456	787.00	128.66	275.0	1224.0
S15AGEM_M	9513	801.29	123.01	297.0	1208.0
S16AGEM_M	9231	797.16	126.70	324.0	1177.0
R1AGEY_M	12651	55.26	5.67	23.0	85.0
R2AGEY_M	19641	65.14	11.43	23.0	103.0
R3AGEY_M	17991	66.36	11.14	22.0	105.0
R4AGEY_M	21384	65.94	11.12	25.0	105.0
R5AGEY_M	19578	67.13	10.84	23.0	107.0
R6AGEY_M	18165	68.37	10.50	25.0	109.0
R7AGEY_M	20129	66.57	11.50	24.0	107.0
R8AGEY_M	18469	67.99	11.10	25.0	104.0
R9AGEY_M	17217	69.20	10.76	25.0	106.0
R10AGEY_M	22034	65.66	11.97	18.0	109.0
R11AGEY_M	20554	66.85	11.60	20.0	103.0
R12AGEY_M	18747	67.91	11.27	18.0	104.0
R13AGEY_M	20912	65.70	11.79	21.0	107.0
R14AGEY_M	17146	67.00	11.40	22.0	104.0
R15AGEY_M	15723	68.09	10.85	24.0	104.0
R16AGEY_M	15787	67.72	10.99	27.0	106.0
S1AGEY_M	10279	55.16	6.15	23.0	85.0
S2AGEY_M	13585	62.66	10.32	23.0	103.0
S3AGEY_M	12255	63.88	9.94	21.0	98.0
S4AGEY_M	14508	63.55	10.12	25.0	98.0
S5AGEY_M	13040	64.69	9.79	23.0	100.0
S6AGEY_M	11858	66.00	9.41	22.0	102.0
S7AGEY_M	13352	64.28	10.48	27.0	104.0
S8AGEY_M	12051	65.72	10.14	22.0	99.0
S9AGEY_M	11011	66.96	9.95	22.0	98.0
S10AGEY_M	14236	63.69	11.16	18.0	98.0
S11AGEY_M	13080	64.89	10.79	20.0	99.0

S12AGEY_M	11620	65.84	10.46	18.0	99.0
S13AGEY_M	12873	63.74	11.06	18.0	99.0
S14AGEY_M	10456	65.12	10.73	22.0	102.0
S15AGEY_M	9513	66.31	10.26	24.0	100.0
S16AGEY_M	9231	65.97	10.57	27.0	98.0
RADAGE_M	19143	954.94	135.19	377.0	1335.0
S1DAGE_M	5281	902.63	111.61	420.0	1178.0
S2DAGE_M	8820	968.56	115.37	455.0	1322.0
S3DAGE_M	7767	971.87	112.21	491.0	1322.0
S4DAGE_M	8429	969.74	112.44	420.0	1322.0
S5DAGE_M	7359	972.96	109.00	420.0	1322.0
S6DAGE_M	6381	976.07	104.87	491.0	1322.0
S7DAGE_M	5936	966.62	112.85	524.0	1322.0
S8DAGE_M	5099	969.56	110.22	528.0	1245.0
S9DAGE_M	4287	973.57	106.73	528.0	1241.0
S10DAGE_M	3817	952.24	121.65	377.0	1232.0
S11DAGE_M	3117	954.30	119.20	377.0	1232.0
S12DAGE_M	2293	955.79	119.36	377.0	1232.0
S13DAGE_M	1601	940.91	128.53	406.0	1232.0
S14DAGE_M	912	939.50	126.59	467.0	1205.0
S15DAGE_M	454	931.42	124.75	467.0	1187.0
S16DAGE_M	3	975.67	162.89	789.0	1089.0
RADAGE_Y	19143	79.12	11.27	31.0	111.0
S1DAGE_Y	5281	74.77	9.30	35.0	98.0
S2DAGE_Y	8820	80.26	9.61	37.0	110.0
S3DAGE_Y	7767	80.54	9.35	40.0	110.0
S4DAGE_Y	8429	80.36	9.37	35.0	110.0
S5DAGE_Y	7359	80.63	9.08	35.0	110.0
S6DAGE_Y	6381	80.89	8.74	40.0	110.0
S7DAGE_Y	5936	80.10	9.40	43.0	110.0
S8DAGE_Y	5099	80.34	9.19	44.0	103.0
S9DAGE_Y	4287	80.67	8.90	44.0	103.0
S10DAGE_Y	3817	78.89	10.14	31.0	102.0
S11DAGE_Y	3117	79.07	9.94	31.0	102.0
S12DAGE_Y	2293	79.19	9.96	31.0	102.0
S13DAGE_Y	1601	77.95	10.72	33.0	102.0
S14DAGE_Y	912	77.83	10.55	38.0	100.0
S15DAGE_Y	454	77.15	10.39	38.0	98.0
S16DAGE_Y	3	80.67	13.65	65.0	90.0
RESPAGEY_B	7206	74.03	10.83	28.0	104.0
RESPAGEY_M	7206	74.03	10.83	28.0	104.0
RESPAGEY_E	7206	74.03	10.83	28.0	104.0
RESPAGEM_B	7206	893.82	129.97	342.0	1255.0
RESPAGEM_M	7206	893.83	129.97	342.0	1255.0
RESPAGEM_E	7206	893.84	129.98	342.0	1255.0

How Constructed

Core Interview Variables

Age at the beginning of the interview is calculated from the Respondent's birth date and beginning interview date (RwIWBEG), in months (RwAGEM_B) and years. Age in years (RwAGEY_B) is the integer portion of the number of months old divided by 12.

Age in months and years at the end of the interview (RwAGEM_E and RwAGEY_E) is calculated in the same way, but uses the ending interview date (RwIWEND). Age in months and years at the midpoint between the beginning and ending interview dates (RwAGEM_M and RwAGEY_M) is calculated in the same way, but uses the midpoint between interview dates (RwIWMID).

According to HRS, when there are different beginning and ending interview dates, most of the interview is usually conducted on the ending date. Thus, it is probably best to use the RwAGEM_E and RwAGEY_E variables for Respondent age at each interview.

From Wave 6 forward, and in AHEAD Waves 2A and 3A, the beginning and ending interview dates are always the same. In those waves, RwAGEM_B, RwAGEM_M, and RwAGEM_E are all the same, as are RwAGEY_B, RwAGEY_M and RwAGEY_E.

Age at death in months (RADAGE_M) is calculated from the Respondent's birth date (RABDATE) and death date (RADDATE). Age in years (RADAGE_Y) is the integer portion of the number of months old at time of death divided by 12. If a Respondent does not have a death date, RADAGE_M and RADAGE_Y are set to .X.

See Birth Date (RABMONTH, RABYEAR, RABDATE) for a description of how the birth date is derived. See Interview Dates (RwIWBEG, RwIWEND, RwIWMID) for a description of how the beginning, ending, and midpoint interview dates are derived. See Death Date (RADMONTH, RADYEAR, RADDATE) for a description of how the death date is derived.

Spouse age is calculated using the spouse birth month and the Respondent's interview month at each wave.

Spouse birth date is taken from the Wave "w" spouse's birth date, i.e., from SwBDATE.

Spouse age at death (SwDAGE_M, SwDAGE_Y) is taken from the Wave "w" spouse's age at death.

Exit Interview Variables

RESPAGEM_B indicates spouse age at the beginning of the Exit Interview and is calculated from the spouse's birthdate and beginning Exit Interview date (REIWBEG), in months and years. RESPAGEY_B indicates age in years and is the integer portion of the number of months old divided by 12.

RESPAGEM_E and RESPAGEY_E indicates spouse age in months and years at the end of the Exit Interview, and is calculated in the same way, but uses the ending Exit Interview date (REIWEND). RESPAGEM_M and RESPAGEY_M indicates age in months and years at the midpoint between the beginning and ending interview dates, and is calculated in the same way, but uses the midpoint between the Exit Interview dates (REIWMID).

The spouse's birthdate is constructed from the date on the Respondent's previous interview in the Core Interview. From Wave 4, if there is no data available in the Core Interview or the spouse status has changed from the Respondent's previous interview, we calculate spouse birthdate from the Exit Interview. In Wave 5, only month and year are available, so we impute the day to be 15.

Core and Exit Differences

In constructing Exit Interview spouse age, we utilize the previous Core Interview spouse age. However, in most waves, there is Exit Interview data for spouse age we use when we do not have the age in a previous interview or when the cover sheet section indicates a new spouse.

Cross Wave Differences in Original HRS Data

Exit Interview Variables

In Waves 2H and 3, spouse age was not collected in the Exit Interviews.

In Wave 4 and from Wave 6 forward, if the data is not available in the Core Interview, we use the Exit data for spouse age.

In Wave 5, if spouse birth date is not available in the previous Core Interview, we fill in missing spouse age with Exit Interview data for spouse birth month and birth year. We impute birth day as the 15th of the month, and if month is missing we impute June.

HRS Variables Used

Exit Interview Variables

```
AHEAD 1995:
    N218            CS1a.PROXY INTERVIEW
    N240            CS4x.R SAME SP/P
    N262            SP ALIVE
    N263            NEW SP
    N375            R MARITAL STAT
HRS 1996:
    P218            CS1a.PROXY INTERVIEW
    P240            CS4x.R SAME SP/P
    P256            MARRIAGE STATUS
    P262            SP ALIVE
    P263            NEW SP
HRS 1998:
    Q483            CS1A.PROXY/SELF INTERVIEW
    Q504            CS4x.1ST R SAME SPOUSE/P
    Q555            SP ALIVE
    Q556            NEW SP
    Q715            SP`S CURRENT AGE
HRS 2000:
    R514            CS1A.PROXY/SELF INTERVIEW
    R604            CS15Y18.SP ALIVE
    R605            CS15Y19.NEW SP
    R658            CS15Y63.SAME SPOUSE AS LAST WAVE
    R952            CS49Y53.SP BIRTH YEAR
    R953            CS49Y54.SP BIRTH MONTH
HRS 2002-2022:
    xA020           1ST R SAME SP/P
    xA023           PREVIOUS WAVE SP/P ALIVE
    xA044           SP/P CURRENT AGE CALCULATION
    xA045           R HAS NEW SPOUSE OR PARTNER
    xA103           PROXY RELATIONSHIP TO R
    xA126M          R DIED- STATE - MASKED
    xA500           DATE OF INTERVIEW - MONTH
    xA501           DATE OF INTERVIEW - YEAR
    xX060_R         SEX OF INDIVIDUAL - RESPONDENT-UPDATED
```

Sex

Wave	Variable Name	Variable Label	Type
1	RASEX	RASEX: R Sex	Categ
1	S1SEX	S1SEX: S Sex	Categ
2	S2SEX	S2SEX: S Sex	Categ
3	S3SEX	S3SEX: S Sex	Categ
4	S4SEX	S4SEX: S Sex	Categ
5	S5SEX	S5SEX: S Sex	Categ
6	S6SEX	S6SEX: S Sex	Categ
7	S7SEX	S7SEX: S Sex	Categ
8	S8SEX	S8SEX: S Sex	Categ
9	S9SEX	S9SEX: S Sex	Categ
10	S10SEX	S10SEX: S Sex	Categ
11	S11SEX	S11SEX: S Sex	Categ
12	S12SEX	S12SEX: S Sex	Categ
13	S13SEX	S13SEX: S Sex	Categ
14	S14SEX	S14SEX: S Sex	Categ
15	S15SEX	S15SEX: S Sex	Categ
16	S16SEX	S16SEX: S Sex	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RASEX	45165	1.56	0.50	1.0	2.0
S1SEX	10279	1.50	0.50	1.0	2.0
S2SEX	13630	1.50	0.50	1.0	2.0
S3SEX	12299	1.50	0.50	1.0	2.0
S4SEX	14516	1.50	0.50	1.0	2.0
S5SEX	13041	1.50	0.50	1.0	2.0
S6SEX	11822	1.50	0.50	1.0	2.0
S7SEX	13307	1.50	0.50	1.0	2.0
S8SEX	12002	1.50	0.50	1.0	2.0
S9SEX	10953	1.50	0.50	1.0	2.0
S10SEX	14145	1.50	0.50	1.0	2.0
S11SEX	12977	1.50	0.50	1.0	2.0
S12SEX	11519	1.50	0.50	1.0	2.0
S13SEX	12688	1.50	0.50	1.0	2.0
S14SEX	10210	1.50	0.50	1.0	2.0
S15SEX	9276	1.50	0.50	1.0	2.0
S16SEX	8468	1.50	0.50	1.0	2.0

Categorical Variable Codes

RASEX: R Sex

Value	
1.Male	19844
2.Female	25321

SwSEX: S Sex

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		44	35			37	45	50	58	92
1.Male	5165	6847	6170	7268	6519	5900	6665	5989	5476	7091
2.Female	5114	6783	6129	7248	6522	5922	6642	6013	5477	7054

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	104	103	200	252	245	772
1.Male	6506	5771	6384	5144	4682	4228
2.Female	6471	5748	6304	5066	4594	4240

How Constructed

RASEX is taken from the sex variable in the Tracker file.

SwSEX is taken from the Wave "w" spouse's RASEX variable.

Cross Wave Differences in Original HRS Data

Sex is reported in the Tracker file and in all waves. We only use the Tracker file in our derivation as it has the most up-to-date information.

HRS Variables Used

Tracker:
SEX SEX

Race, Ethnicity: Race

Wave	Variable Name	Variable Label	Type
1	RARACEM	RARACEM: R Race-masked	Categ
1	S1RACEM	S1RACEM: S Race-masked	Categ
2	S2RACEM	S2RACEM: S Race-masked	Categ
3	S3RACEM	S3RACEM: S Race-masked	Categ
4	S4RACEM	S4RACEM: S Race-masked	Categ
5	S5RACEM	S5RACEM: S Race-masked	Categ
6	S6RACEM	S6RACEM: S Race-masked	Categ
7	S7RACEM	S7RACEM: S Race-masked	Categ
8	S8RACEM	S8RACEM: S Race-masked	Categ
9	S9RACEM	S9RACEM: S Race-masked	Categ
10	S10RACEM	S10RACEM: S Race-masked	Categ
11	S11RACEM	S11RACEM: S Race-masked	Categ
12	S12RACEM	S12RACEM: S Race-masked	Categ
13	S13RACEM	S13RACEM: S Race-masked	Categ
14	S14RACEM	S14RACEM: S Race-masked	Categ
15	S15RACEM	S15RACEM: S Race-masked	Categ
16	S16RACEM	S16RACEM: S Race-masked	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RARACEM	45022	1.38	0.64	1.0	3.0
S1RACEM	10148	1.21	0.49	1.0	3.0
S2RACEM	13505	1.18	0.46	1.0	3.0
S3RACEM	12198	1.17	0.45	1.0	3.0
S4RACEM	14357	1.18	0.46	1.0	3.0
S5RACEM	12953	1.18	0.47	1.0	3.0
S6RACEM	11782	1.18	0.47	1.0	3.0
S7RACEM	13218	1.21	0.52	1.0	3.0
S8RACEM	11944	1.21	0.52	1.0	3.0
S9RACEM	10894	1.21	0.52	1.0	3.0
S10RACEM	13886	1.33	0.64	1.0	3.0
S11RACEM	12808	1.34	0.64	1.0	3.0
S12RACEM	11349	1.35	0.66	1.0	3.0
S13RACEM	12223	1.43	0.71	1.0	3.0
S14RACEM	9965	1.43	0.71	1.0	3.0
S15RACEM	9073	1.44	0.72	1.0	3.0
S16RACEM	8362	1.46	0.72	1.0	3.0

Categorical Variable Codes

RARACEM: R Race-masked

Value	
.M=Missing	143
1.White/Caucasian	31952
2.Black/African American	9136
3.Other	3934

SwRACEM: S Race-masked

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Missing		13	6	6	4	4	3	2	1	42
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	131	156	130	153	84	73	131	106	116	309
1.White/Caucasian	8439	11533	10487	12320	11139	10107	11105	10093	9189	10588
2.Black/African American	1313	1554	1332	1539	1340	1238	1409	1227	1114	2020
3.Other	396	418	379	498	474	437	704	624	591	1278

Value	w11	w12	w13	w14	w15	w16
.M=Missing	45	44	56	47	47	51
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	228	229	609	450	401	827
1.White/Caucasian	9698	8531	8570	6956	6304	5625
2.Black/African American	1881	1673	2038	1702	1522	1587
3.Other	1229	1145	1615	1307	1247	1150

How Constructed

RARACEM is assigned by looking at reports from Tracker and all waves of data. The non-missing race variable from Tracker is used. If race is missing, then the most recent non-missing race from all waves is used.

SwRACEM provides the race of the Respondent's spouse or partner. It is taken from the Wave "w" spouse's RARACEM variables.

Cross Wave Differences in Original HRS Data

Before Wave 8 race is asked at the Respondent's first interview. In Wave 8, the question format was changed to meet OMB guidelines. In particular, Respondents were allowed to report multiple races, and some categories that had previously been combined were separated. Also, if more than one race was reported, Respondents were asked which one they consider to be their primary race. The new format is asked only once of all Respondents, either in Wave 8 or the first wave after that in which a Respondent completed an interview.

HRS Variables Used

```
HRS 1992:
    V10221          A8:RACE/ETHNICITY   :IND
    V216            A7:HISPANIC OR LATINO
    V221            A8:RACE/ETHNICITY   :IMP
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AHEAD 1993:
    B140            A7. R HISPANIC/LATINO
    B143            A8. R'S RACE
HRS 1994:
    W228            A15. Hispanic or Latino
    W233            A16. Race/Ethnicity
AHEAD 1995:
    D664            A7. HISPANIC
    D667M           A8. R RACE - MASKED
HRS 1996:
    E664            A7.HISPANIC
    E667M           A8.R RACE - MASKED
HRS 1998:
    F1002           A7.HISPANIC
    F1005M          A8.R RACE - MASKED
HRS 2000:
    G1089           A7.HISPANIC
    G1092A          A8.R RACE - COMBINED MASKED
    G1092M          A8.R RACE - MASKED
HRS 2002-2004:
    xB031M          R RACE - MASKED
HRS 2002-2022:
    xB028           R HISPANIC/LATINO
HRS 2006-2022:
    xB089M1M        R RACE - MULTIPLE RESPONSE -1 MASKED
    xB091M          R RACE - PRIMARY - MASKED
Tracker:
    HISPANIC            HISPANICITY TYPE
    RACE                RACE/ETHNICITY
```

Race, Ethnicity: Whether Hispanic

Wave	Variable Name	Variable Label	Type
1	RAHISPAN	RAHISPAN: R Hispanic	Categ
1	S1HISPAN	S1HISPAN: S Hispanic	Categ
2	S2HISPAN	S2HISPAN: S Hispanic	Categ
3	S3HISPAN	S3HISPAN: S Hispanic	Categ
4	S4HISPAN	S4HISPAN: S Hispanic	Categ
5	S5HISPAN	S5HISPAN: S Hispanic	Categ
6	S6HISPAN	S6HISPAN: S Hispanic	Categ
7	S7HISPAN	S7HISPAN: S Hispanic	Categ
8	S8HISPAN	S8HISPAN: S Hispanic	Categ
9	S9HISPAN	S9HISPAN: S Hispanic	Categ
10	S10HISPAN	S10HISPAN: S Hispanic	Categ
11	S11HISPAN	S11HISPAN: S Hispanic	Categ
12	S12HISPAN	S12HISPAN: S Hispanic	Categ
13	S13HISPAN	S13HISPAN: S Hispanic	Categ
14	S14HISPAN	S14HISPAN: S Hispanic	Categ
15	S15HISPAN	S15HISPAN: S Hispanic	Categ
16	S16HISPAN	S16HISPAN: S Hispanic	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAHISPAN	45074	0.13	0.34	0.0	1.0
S1HISPAN	10140	0.09	0.29	0.0	1.0
S2HISPAN	13500	0.08	0.26	0.0	1.0
S3HISPAN	12194	0.08	0.27	0.0	1.0
S4HISPAN	14359	0.08	0.27	0.0	1.0
S5HISPAN	12956	0.08	0.27	0.0	1.0
S6HISPAN	11784	0.08	0.27	0.0	1.0
S7HISPAN	13222	0.10	0.30	0.0	1.0
S8HISPAN	11946	0.09	0.29	0.0	1.0
S9HISPAN	10894	0.10	0.30	0.0	1.0
S10HISPAN	13913	0.14	0.35	0.0	1.0
S11HISPAN	12834	0.15	0.36	0.0	1.0
S12HISPAN	11375	0.16	0.36	0.0	1.0
S13HISPAN	12259	0.18	0.39	0.0	1.0
S14HISPAN	9999	0.19	0.39	0.0	1.0
S15HISPAN	9109	0.19	0.39	0.0	1.0
S16HISPAN	8398	0.21	0.41	0.0	1.0

Categorical Variable Codes

RAHISPAN: R Hispanic

Value	
.M=Missing	91
0.Not Hispanic	39011
1.Hispanic	6063

SwHISPAN: S Hispanic

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Missing	8	19	11	7	4	3			1	15
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	131	155	129	150	81	72	130	106	116	309
0.Not Hispanic	9224	12480	11234	13239	11919	10830	11919	10814	9818	11900
1.Hispanic	916	1020	960	1120	1037	954	1303	1132	1076	2013

Value	w11	w12	w13	w14	w15	w16
.M=Missing	19	18	22	14	12	16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	228	229	607	449	400	826
0.Not Hispanic	10907	9585	10036	8149	7385	6643
1.Hispanic	1927	1790	2223	1850	1724	1755

How Constructed

RAHISPAN indicates whether the Respondent is Hispanic. It is assigned by looking at reports from the Tracker file and all waves of data. The non-missing Hispanic variable from Tracker file is used. If RAHISPAN is missing, then the most recent non-missing Hispanic from all waves of data is used.

In the Tracker file variable, both Mexican-American and Other Hispanic are recoded to "1." The codes for the core data variables which indicate yes, for Hispanic, are recoded to "1", and no is recoded to "0".

SwHISPAN indicates whether the Respondent's spouse or partner is Hispanic. It is taken from the Wave "w" spouse's RAHISPAN variable.

Cross Wave Differences in Original HRS Data

Before Wave 8, individuals are asked whether they consider themselves Hispanic or Latino at their first interview. In Wave 8, everyone is asked this question. From Wave 9, the question is asked if it's the first interview.

HRS Variables Used

```
HRS 1992:
    V216            A7:HISPANIC OR LATINO
AHEAD 1993:
    B140            A7. R HISPANIC/LATINO
```

```
HRS 1994:
    W228            A15. Hispanic or Latino
AHEAD 1995:
    D664            A7. HISPANIC
HRS 1996:
    E664            A7.HISPANIC
HRS 1998:
    F1002           A7.HISPANIC
HRS 2000:
    G1089           A7.HISPANIC
HRS 2002-2022:
    xB028           R HISPANIC/LATINO
Tracker:
    HISPANIC            HISPANICITY TYPE
```

Census Region

Wave	Variable Name	Variable Label	Type
1	R1CENREG	R1CENREG:W1 Census Region	Categ
2	R2CENREG	R2CENREG:W2 Census Region	Categ
3	R3CENREG	R3CENREG:W3 Census Region	Categ
4	R4CENREG	R4CENREG:W4 Census Region	Categ
5	R5CENREG	R5CENREG:W5 Census Region	Categ
6	R6CENREG	R6CENREG:W6 Census Region	Categ
7	R7CENREG	R7CENREG:W7 Census Region	Categ
8	R8CENREG	R8CENREG:W8 Census Region	Categ
9	R9CENREG	R9CENREG:W9 Census Region	Categ
10	R10CENREG	R10CENREG:W10 Census Region	Categ
11	R11CENREG	R11CENREG:W11 Census Region	Categ
12	R12CENREG	R12CENREG:W12 Census Region	Categ
13	R13CENREG	R13CENREG:W13 Census Region	Categ
14	R14CENREG	R14CENREG:W14 Census Region	Categ
15	R15CENREG	R15CENREG:W15 Census Region	Categ
16	R16CENREG	R16CENREG:W16 Census Region	Categ
1	S1CENREG	S1CENREG:W1 Census Region	Categ
2	S2CENREG	S2CENREG:W2 Census Region	Categ
3	S3CENREG	S3CENREG:W3 Census Region	Categ
4	S4CENREG	S4CENREG:W4 Census Region	Categ
5	S5CENREG	S5CENREG:W5 Census Region	Categ
6	S6CENREG	S6CENREG:W6 Census Region	Categ
7	S7CENREG	S7CENREG:W7 Census Region	Categ
8	S8CENREG	S8CENREG:W8 Census Region	Categ
9	S9CENREG	S9CENREG:W9 Census Region	Categ
10	S10CENREG	S10CENREG:W10 Census Region	Categ
11	S11CENREG	S11CENREG:W11 Census Region	Categ
12	S12CENREG	S12CENREG:W12 Census Region	Categ
13	S13CENREG	S13CENREG:W13 Census Region	Categ
14	S14CENREG	S14CENREG:W14 Census Region	Categ
15	S15CENREG	S15CENREG:W15 Census Region	Categ
16	S16CENREG	S16CENREG:W16 Census Region	Categ
1	R1CENDIV	R1CENDIV:W1 Census Division	Categ
2	R2CENDIV	R2CENDIV:W2 Census Division	Categ
3	R3CENDIV	R3CENDIV:W3 Census Division	Categ
4	R4CENDIV	R4CENDIV:W4 Census Division	Categ
5	R5CENDIV	R5CENDIV:W5 Census Division	Categ
6	R6CENDIV	R6CENDIV:W6 Census Division	Categ
7	R7CENDIV	R7CENDIV:W7 Census Division	Categ
8	R8CENDIV	R8CENDIV:W8 Census Division	Categ
9	R9CENDIV	R9CENDIV:W9 Census Division	Categ
10	R10CENDIV	R10CENDIV:W10 Census Division	Categ
11	R11CENDIV	R11CENDIV:W11 Census Division	Categ
12	R12CENDIV	R12CENDIV:W12 Census Division	Categ
13	R13CENDIV	R13CENDIV:W13 Census Division	Categ
14	R14CENDIV	R14CENDIV:W14 Census Division	Categ
15	R15CENDIV	R15CENDIV:W15 Census Division	Categ
16	R16CENDIV	R16CENDIV:W16 Census Division	Categ
1	S1CENDIV	S1CENDIV:W1 Census Division	Categ
2	S2CENDIV	S2CENDIV:W2 Census Division	Categ
3	S3CENDIV	S3CENDIV:W3 Census Division	Categ
4	S4CENDIV	S4CENDIV:W4 Census Division	Categ
5	S5CENDIV	S5CENDIV:W5 Census Division	Categ
6	S6CENDIV	S6CENDIV:W6 Census Division	Categ
7	S7CENDIV	S7CENDIV:W7 Census Division	Categ
8	S8CENDIV	S8CENDIV:W8 Census Division	Categ
9	S9CENDIV	S9CENDIV:W9 Census Division	Categ
10	S10CENDIV	S10CENDIV:W10 Census Division	Categ
11	S11CENDIV	S11CENDIV:W11 Census Division	Categ
12	S12CENDIV	S12CENDIV:W12 Census Division	Categ
13	S13CENDIV	S13CENDIV:W13 Census Division	Categ
14	S14CENDIV	S14CENDIV:W14 Census Division	Categ
15	S15CENDIV	S15CENDIV:W15 Census Division	Categ

```
16    S16CENDIV            S16CENDIV:W16 Census Division                                  Categ

 E    RECENREG             RECENREG:EXIT Census Region, place of death                    Categ
 E    RECENDIV             RECENDIV:EXIT Census Division, place of death                  Categ
```

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1CENREG	12652	2.57	0.96	1.0	5.0
R2CENREG	19642	2.56	0.96	1.0	5.0
R3CENREG	17990	2.57	0.96	1.0	5.0
R4CENREG	21384	2.59	0.96	1.0	5.0
R5CENREG	19578	2.59	0.97	1.0	5.0
R6CENREG	18165	2.60	0.96	1.0	5.0
R7CENREG	20129	2.62	0.98	1.0	5.0
R8CENREG	18469	2.63	0.97	1.0	5.0
R9CENREG	17217	2.64	0.97	1.0	5.0
R10CENREG	22034	2.68	0.98	1.0	5.0
R11CENREG	20554	2.69	0.98	1.0	5.0
R12CENREG	18747	2.70	0.98	1.0	5.0
R13CENREG	20912	2.73	0.97	1.0	5.0
R14CENREG	17146	2.74	0.96	1.0	5.0
R15CENREG	15723	2.75	0.96	1.0	5.0
R16CENREG	15777	2.77	0.96	1.0	5.0
S1CENREG	9900	2.57	0.95	1.0	5.0
S2CENREG	13090	2.58	0.96	1.0	5.0
S3CENREG	11917	2.59	0.95	1.0	5.0
S4CENREG	13980	2.61	0.96	1.0	5.0
S5CENREG	12730	2.61	0.96	1.0	5.0
S6CENREG	11639	2.62	0.96	1.0	5.0
S7CENREG	12972	2.64	0.98	1.0	5.0
S8CENREG	11735	2.65	0.97	1.0	5.0
S9CENREG	10646	2.66	0.96	1.0	5.0
S10CENREG	13513	2.71	0.97	1.0	5.0
S11CENREG	12484	2.73	0.98	1.0	5.0
S12CENREG	11012	2.73	0.98	1.0	5.0
S13CENREG	11779	2.77	0.96	1.0	5.0
S14CENREG	9358	2.78	0.95	1.0	5.0
S15CENREG	8477	2.79	0.96	1.0	5.0
S16CENREG	7835	2.80	0.96	1.0	5.0
R1CENDIV	12652	4.90	2.31	1.0	13.0
R2CENDIV	19642	4.89	2.32	1.0	13.0
R3CENDIV	17990	4.90	2.32	1.0	13.0
R4CENDIV	21384	4.94	2.33	1.0	13.0
R5CENDIV	19578	4.97	2.35	1.0	13.0
R6CENDIV	18165	5.00	2.36	1.0	13.0
R7CENDIV	20129	5.05	2.40	1.0	13.0
R8CENDIV	18469	5.07	2.40	1.0	13.0
R9CENDIV	17217	5.09	2.39	1.0	13.0
R10CENDIV	22034	5.21	2.42	1.0	13.0
R11CENDIV	20554	5.23	2.42	1.0	13.0
R12CENDIV	18747	5.25	2.43	1.0	13.0
R13CENDIV	20912	5.31	2.40	1.0	13.0
R14CENDIV	17146	5.33	2.40	1.0	13.0
R15CENDIV	15723	5.36	2.40	1.0	13.0

R16CENDIV	15777	5.39	2.40	1.0	13.0
S1CENDIV	9900	4.91	2.30	1.0	13.0
S2CENDIV	13090	4.94	2.32	1.0	13.0
S3CENDIV	11917	4.96	2.32	1.0	13.0
S4CENDIV	13980	5.00	2.34	1.0	13.0
S5CENDIV	12730	5.01	2.36	1.0	13.0
S6CENDIV	11639	5.04	2.36	1.0	13.0
S7CENDIV	12972	5.09	2.41	1.0	13.0
S8CENDIV	11735	5.12	2.41	1.0	13.0
S9CENDIV	10646	5.13	2.40	1.0	13.0
S10CENDIV	13513	5.29	2.43	1.0	13.0
S11CENDIV	12484	5.33	2.45	1.0	13.0
S12CENDIV	11012	5.35	2.46	1.0	13.0
S13CENDIV	11779	5.41	2.41	1.0	13.0
S14CENDIV	9358	5.43	2.41	1.0	13.0
S15CENDIV	8477	5.44	2.42	1.0	13.0
S16CENDIV	7835	5.47	2.42	1.0	13.0
RECENREG	17490	2.51	0.98	1.0	5.0
RECENDIV	17490	4.77	2.37	1.0	11.0

Categorical Variable Codes

RwCENREG: Census Region

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Missing			1							
1.Northeast	2236	3524	3132	3580	3300	2969	3247	2870	2637	3378
2.Midwest	3044	4773	4437	5321	4821	4525	4998	4628	4274	4920
3.South	5339	8204	7488	8854	8052	7448	8008	7434	7006	9109
4.West	2027	3137	2920	3606	3365	3180	3821	3468	3230	4557
5.Other	6	4	13	23	40	43	55	69	70	70

Value	w11	w12	w13	w14	w15	w16
.M=Missing						10
1.Northeast	3111	2829	2992	2396	2171	2102
2.Midwest	4564	4100	4271	3471	3153	3155
3.South	8528	7834	9105	7527	6853	6885
4.West	4275	3897	4463	3673	3485	3574
5.Other	76	87	81	79	61	61

SwCENREG: Census Region

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Missing										
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
1.Northeast	1680	2210	1939	2194	2050	1814	1992	1736	1519	1904
2.Midwest	2463	3259	3007	3547	3197	2967	3308	3005	2736	3118
3.South	4178	5438	4943	5745	5197	4722	5067	4649	4279	5479
4.West	1573	2181	2020	2477	2258	2106	2565	2291	2062	2962
5.Other	6	2	8	17	28	30	40	54	50	50

Value	w11	w12	w13	w14	w15	w16
.M=Missing						5
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	597	610	1109	1104	1044	1400
1.Northeast	1747	1554	1554	1178	1078	947
2.Midwest	2819	2444	2425	1921	1755	1623
3.South	5074	4474	5075	4064	3589	3317
4.West	2787	2479	2666	2146	2019	1914
5.Other	57	61	59	49	36	34

RwCENDIV: Census Division

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Missing			1							
1.New England	469	779	700	863	799	714	834	739	665	788
2.Mid Atlantic	1767	2745	2432	2717	2501	2255	2413	2131	1972	2590
3.EN Central	1989	3235	2980	3562	3178	2980	3352	3066	2823	3359
4.WN Central	1055	1538	1457	1759	1643	1545	1646	1562	1451	1561
5.S Atlantic	3254	4982	4577	5434	4882	4445	4733	4319	4100	5170
6.ES Central	818	1121	1018	1195	1119	1056	1180	1136	1064	1373
7.WS Central	1267	2101	1893	2225	2051	1947	2095	1979	1842	2566
8.Mountain	512	797	809	1018	961	912	1156	1089	1052	1381
9.Pacific	1515	2340	2111	2588	2404	2268	2665	2379	2178	3176
12.US territory			4	5	5	8	10	8	6	9
13.Foreign Country	6	4	9	18	35	35	45	61	64	61

Value	w11	w12	w13	w14	w15	w16
.M=Missing						10
1.New England	711	626	699	590	526	539
2.Mid Atlantic	2400	2203	2293	1806	1645	1563
3.EN Central	3131	2818	2900	2378	2166	2212
4.WN Central	1433	1282	1371	1093	987	943
5.S Atlantic	4823	4411	5248	4313	3961	3964
6.ES Central	1319	1208	1420	1175	1062	1045
7.WS Central	2386	2215	2437	2039	1830	1876
8.Mountain	1307	1206	1429	1216	1159	1246
9.Pacific	2968	2691	3034	2457	2326	2328
12.US territory	8	7	6	3	2	1
13.Foreign Country	68	80	75	76	59	60

SwCENDIV: Census Division

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Missing										
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
1.New England	379	511	437	547	514	448	541	463	402	472
2.Mid Atlantic	1301	1699	1502	1647	1536	1366	1451	1273	1117	1432
3.EN Central	1586	2181	2011	2330	2074	1922	2195	1976	1794	2109
4.WN Central	877	1078	996	1217	1123	1045	1113	1029	942	1009
5.S Atlantic	2512	3262	2983	3519	3114	2792	2997	2669	2489	3070
6.ES Central	653	775	697	793	759	707	760	726	659	816
7.WS Central	1013	1401	1263	1433	1324	1223	1310	1254	1131	1593
8.Mountain	408	583	581	700	656	619	797	733	665	908
9.Pacific	1165	1598	1439	1777	1602	1487	1768	1558	1397	2054
12.US territory			4	4	4	6	8	7	5	8
13.Foreign Country	6	2	4	13	24	24	32	47	45	42

Value	w11	w12	w13	w14	w15	w16
.M=Missing						5
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	597	610	1109	1104	1044	1400
1.New England	420	360	364	293	267	261
2.Mid Atlantic	1327	1194	1190	885	811	686
3.EN Central	1911	1668	1608	1313	1186	1131
4.WN Central	908	776	817	608	569	492
5.S Atlantic	2822	2470	2921	2340	2098	1918
6.ES Central	785	692	763	610	530	491
7.WS Central	1467	1312	1391	1114	961	908
8.Mountain	853	757	834	707	644	674
9.Pacific	1934	1722	1832	1439	1375	1240
12.US territory	6	6	6			
13.Foreign Country	51	55	53	49	36	34

RECENREG: EXIT Census Region, place of death

Value	
.D=DK/NA	11
.M=Oth missing	35
.Q=Not asked this wv	175
.R=RF	1
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
1.Northeast	3331
2.Midwest	4657
3.South	6801
4.West	2614
5.Other	87

RECENDIV: EXIT Census Division, place of death

Value	
.D=DK/NA	11
.M=Oth missing	35
.Q=Not asked this wv	175
.R=RF	1
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
1.New England	1081
2.Mid Atlantic	2250
3.EN Central	3020
4.WN Central	1637
5.S Atlantic	4142
6.ES Central	906
7.WS Central	1753
8.Mountain	733
9.Pacific	1881
11.Not US/inc US terr	87

How Constructed

Core Interview Variables

RwCENREG gives the Census Region and RwCENDIV the Census Division of Respondent residence at wave "w." The Census Division of residence is provided in the HRS 1992-2022 Cross-Wave Census Region/Division and Mobility File, and in the core data for most waves. Census Division is recoded into the larger Census Regions.

If the residence location in the Geographic Region file variables is missing, we examine variables from the core data for location, if available. We then look at the spouse's residence from the Geographic Region file, and if the couple is living together, use it to fill missing variables as well. Finally, we examine variables indicating whether the household moved between waves, and if not, carry prior residence forward, or future residence back.

In the core data, location of residence is collected in the first interview for the entry cohort sub-sample, i.e., in Wave 1 for the HRS cohort, Wave 2A for the AHEAD cohort, Wave 4 for the CODA and War Babies cohorts, Wave 7 for the EBB cohort, Wave 10 for the MBB cohort, Wave 13 for the LBB cohort, and Wave 16 for the EGENX cohort. At subsequent interviews, questions ask whether the household moved, and if so, if the move was within the same area as the previous interview residence. If the household moved out of the area, the new location was collected. The new location is provided in the core data, except in Waves 2H and 3A.

Note that most of the time the Respondent and spouse live in the same Census Region, but occasionally the two regions differ.

The spouse's Census Region and Division are taken from the Wave "w" spouse's variables, i.e., from the Wave "w" spouse's RwCENREG and RwCENDIV.

Exit Interview Variables

RECENDIV indicates the Census Division where the Respondent's death occurred. RECENDIV is constructed consistently across all waves from the Exit Interview question, "In what state and county did [he/she] die?" The HRS Core data codebook explains, "Code categories have been collapsed to protect participant confidentiality." The variable is masked; that is, recoded to one variable indicating the Census Region of death, with a code for non-U.S. deaths–"Not US/inc US terr.".

RECENREG represents the Census Region in a collapsed version of Census Division; as Northeast, Midwest, South, West, or

Other.

Core and Exit Differences

The Core Interview questions are about the Census Division and Census Region of residence. The Exit Interview questions are about the Census Division and Census Region where death occurred.

Cross Wave Differences in Original HRS Data

Core Interview Variables

Region of residence is provided in the Cross-Wave Census Region/Division file. Information on household location is available in the core data.

Location of residence is available in Wave 1 data for the HRS entry cohort, and in Wave 2A for the AHEAD entry cohort. In Wave 4, the War Babies and Coda cohorts are asked for the location of current residence, as this is their first wave in the study. In Wave 7, the EBB cohorts are asked for location of current residence. The MBB cohort is asked in Wave 10, the LBB cohort is asked in Wave 13, and the EGENX cohort is asked in Wave 16.

In Wave 2H for HRS cohort there is no question about the current location of residence. The only question asked is whether the household moved to a different residence since the date of the Wave 1 interview.

In Wave 3H and from Wave 4 through Wave 15, questions ask if the household is still in the same location as in the previous wave interview, and if not, whether it moved to the same area of that old address. If the household did not stay within the same area, the new location is asked. Wave 3A follows a similar sequence of questions, except that the new location was not asked. In Wave 16 forward, the follow-up question asking if the household moved to the same area of that old address is not asked. The new location question is asked to all households who were not in the same location as in the previous wave interview.

Exit Interview Variables

In the Exit Interview, Waves 3, 10, and 11 include response options of "97 Other Country" for RECENDIV. This category is combined with "11. Not US/inc US terr."

HRS Variables Used

Core Interview Variables

```
HRS 1992:
    V53             R:STATE HRS (RECODED)
AHEAD 1993:
    REGION          CENSUS REGION/DIVISION
HRS 1994:
    W100            HHCS5. Is Residence Different?
    W200            A1. Marital Status
AHEAD 1995:
    D241            CS12.COUPLE LIVE TOGETHER
    D422            CS27. SAME RESIDENCE #1
    D423            CS28. SAME AREA - 1
HRS 1996:
    E241            CS12.COUPLE LIVE TOGETHER
```

```
    E422            CS27. SAME RESIDENCE #1
    E423            CS28. SAME AREA - 1
    E430M           CS33. REGION CURRENT RESIDENCE
HRS 1998:
    F521            CS12.COUPLE LIVE TOGETHER
    F723            CS27. SAME RESIDENCE #1
    F724            CS28. SAME AREA - 1
    F731M           CS33.CURRENT RESIDENCE - REGION
HRS 2000:
    G562            CS12.COUPLE LIVE TOGETHER
    G796            CS27. SAME RESIDENCE #1
    G797            CS28. SAME AREA - 1
    G805M           CS33.CURRENT RESIDENCE - REGION
HRS 2002-2020:
    xA072           SAME CITY/ST RESID # 1
HRS 2002-2022:
    xA030           COUPLE LIVE TOGETHER
    xA071           SAME RESID AS PREV WAVE #1
    xA076M          CURRENT RESIDENCE STATE - MASKED
Region:
    REGION92        CENSUS REGION-DIVISION OF RESIDENCE 1992
    REGION93        CENSUS REGION-DIVISION OF RESIDENCE 1993
    REGION94        CENSUS REGION-DIVISION OF RESIDENCE 1994
    REGION95        CENSUS REGION-DIVISION OF RESIDENCE 1995
    REGION96        CENSUS REGION-DIVISION OF RESIDENCE 1996
    REGION98        CENSUS REGION-DIVISION OF RESIDENCE 1998
    REGION00        CENSUS REGION-DIVISION OF RESIDENCE 2000
    REGION02        CENSUS REGION-DIVISION OF RESIDENCE 2002
    REGION04        CENSUS REGION-DIVISION OF RESIDENCE 2004
    REGION06        CENSUS REGION-DIVISION OF RESIDENCE 2006
    REGION08        CENSUS REGION-DIVISION OF RESIDENCE 2008
    REGION10        CENSUS REGION-DIVISION OF RESIDENCE 2010
    REGION12        CENSUS REGION-DIVISION OF RESIDENCE 2012
    REGION14        CENSUS REGION-DIVISION OF RESIDENCE 2014
    REGION16        CENSUS REGION-DIVISION OF RESIDENCE 2016
    REGION18        CENSUS REGION-DIVISION OF RESIDENCE 2018
    REGION20        CENSUS REGION-DIVISION OF RESIDENCE 2020
    REGION22        CENSUS REGION-DIVISION OF RESIDENCE 2022
```

Exit Interview Variables

```
HRS 1996:
    P227M           CS2dx.LOCATION - DIE - MASKED
HRS 1998:
    Q492M           CS2dx.LOCATION - REGION OF DEATH - MASKED
HRS 2000:
    R526M           CS2fx.LOCATION - DIE- MASKED
HRS 2002-2022:
    xA126M          R DIED- STATE - MASKED
```

Urbanicity

Wave	Variable Name	Variable Label	Type
1	R1URBRUR	R1URBRUR:W1 Urban-Suburban-Rural	Categ
2	R2URBRUR	R2URBRUR:W2 Urban-Suburban-Rural	Categ
3	R3URBRUR	R3URBRUR:W3 Urban-Suburban-Rural	Categ
4	R4URBRUR	R4URBRUR:W4 Urban-Suburban-Rural	Categ
5	R5URBRUR	R5URBRUR:W5 Urban-Suburban-Rural	Categ
6	R6URBRUR	R6URBRUR:W6 Urban-Suburban-Rural	Categ
7	R7URBRUR	R7URBRUR:W7 Urban-Suburban-Rural	Categ
8	R8URBRUR	R8URBRUR:W8 Urban-Suburban-Rural	Categ
9	R9URBRUR	R9URBRUR:W9 Urban-Suburban-Rural	Categ
10	R10URBRUR	R10URBRUR:W10 Urban-Suburban-Rural	Categ
11	R11URBRUR	R11URBRUR:W11 Urban-Suburban-Rural	Categ
12	R12URBRUR	R12URBRUR:W12 Urban-Suburban-Rural	Categ
13	R13URBRUR	R13URBRUR:W13 Urban-Suburban-Rural	Categ
14	R14URBRUR	R14URBRUR:W14 Urban-Suburban-Rural	Categ
15	R15URBRUR	R15URBRUR:W15 Urban-Suburban-Rural	Categ
16	R16URBRUR	R16URBRUR:W16 Urban-Suburban-Rural	Categ
1	S1URBRUR	S1URBRUR:W1 Urban-Suburban-Rural	Categ
2	S2URBRUR	S2URBRUR:W2 Urban-Suburban-Rural	Categ
3	S3URBRUR	S3URBRUR:W3 Urban-Suburban-Rural	Categ
4	S4URBRUR	S4URBRUR:W4 Urban-Suburban-Rural	Categ
5	S5URBRUR	S5URBRUR:W5 Urban-Suburban-Rural	Categ
6	S6URBRUR	S6URBRUR:W6 Urban-Suburban-Rural	Categ
7	S7URBRUR	S7URBRUR:W7 Urban-Suburban-Rural	Categ
8	S8URBRUR	S8URBRUR:W8 Urban-Suburban-Rural	Categ
9	S9URBRUR	S9URBRUR:W9 Urban-Suburban-Rural	Categ
10	S10URBRUR	S10URBRUR:W10 Urban-Suburban-Rural	Categ
11	S11URBRUR	S11URBRUR:W11 Urban-Suburban-Rural	Categ
12	S12URBRUR	S12URBRUR:W12 Urban-Suburban-Rural	Categ
13	S13URBRUR	S13URBRUR:W13 Urban-Suburban-Rural	Categ
14	S14URBRUR	S14URBRUR:W14 Urban-Suburban-Rural	Categ
15	S15URBRUR	S15URBRUR:W15 Urban-Suburban-Rural	Categ
16	S16URBRUR	S16URBRUR:W16 Urban-Suburban-Rural	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1URBRUR	12625	1.83	0.83	1.0	3.0
R2URBRUR	19619	1.83	0.83	1.0	3.0
R3URBRUR	17963	1.85	0.83	1.0	3.0
R4URBRUR	21365	1.82	0.87	1.0	3.0
R5URBRUR	19538	1.83	0.87	1.0	3.0
R6URBRUR	18129	1.83	0.87	1.0	3.0
R7URBRUR	20082	1.82	0.87	1.0	3.0
R8URBRUR	18407	1.84	0.87	1.0	3.0
R9URBRUR	17153	1.82	0.86	1.0	3.0
R10URBRUR	21973	1.73	0.84	1.0	3.0
R11URBRUR	20485	1.73	0.84	1.0	3.0
R12URBRUR	18667	1.72	0.83	1.0	3.0
R13URBRUR	20837	1.68	0.83	1.0	3.0
R14URBRUR	17066	1.65	0.83	1.0	3.0
R15URBRUR	15663	1.64	0.83	1.0	3.0
R16URBRUR	15713	1.63	0.82	1.0	3.0
S1URBRUR	9879	1.86	0.83	1.0	3.0
S2URBRUR	13080	1.86	0.83	1.0	3.0
S3URBRUR	11903	1.88	0.83	1.0	3.0

S4URBRUR	13967	1.85	0.87	1.0	3.0
S5URBRUR	12703	1.86	0.87	1.0	3.0
S6URBRUR	11615	1.87	0.87	1.0	3.0
S7URBRUR	12938	1.86	0.88	1.0	3.0
S8URBRUR	11687	1.88	0.88	1.0	3.0
S9URBRUR	10601	1.86	0.86	1.0	3.0
S10URBRUR	13471	1.76	0.85	1.0	3.0
S11URBRUR	12433	1.73	0.84	1.0	3.0
S12URBRUR	10957	1.72	0.84	1.0	3.0
S13URBRUR	11726	1.69	0.83	1.0	3.0
S14URBRUR	9306	1.65	0.83	1.0	3.0
S15URBRUR	8440	1.63	0.82	1.0	3.0
S16URBRUR	7798	1.63	0.83	1.0	3.0

Categorical Variable Codes

RwURBRUR: Urban-Suburban-Rural

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Other Missing	21	19	15	1	5	1	2	1		
.N=No match for Rural-Urban	6	4	13	18	35	35	45	61	64	61
1.Urban	5556	8643	7770	10302	9302	8596	9652	8639	8060	11443
2.Suburban	3617	5628	5174	4618	4274	3946	4311	3983	4058	4954
3.Ex-urban	3452	5348	5019	6445	5962	5587	6119	5785	5035	5576

Value	w11	w12	w13	w14	w15	w16
.M=Other Missing				1	1	13
.N=No match for Rural-Urban	69	80	75	79	59	61
1.Urban	10729	9846	11498	9858	9154	9355
2.Suburban	4629	4200	4481	3284	2974	2877
3.Ex-urban	5127	4621	4858	3924	3535	3481

SwURBRUR: Urban-Suburban-Rural

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Other Missing	15	8	6		3		2	1		
.N=No match for Rural-Urban	6	2	8	13	24	24	32	47	45	42
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
1.Urban	4193	5558	4928	6498	5811	5289	6028	5268	4793	6848
2.Suburban	2845	3767	3483	3053	2834	2531	2755	2530	2500	3051
3.Ex-urban	2841	3755	3492	4416	4058	3795	4155	3889	3308	3572

Value	w11	w12	w13	w14	w15	w16
.M=Other Missing				1	1	8
.N=No match for Rural-Urban	51	55	53	51	36	34
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	597	610	1109	1104	1044	1400
1.Urban	6467	5759	6445	5363	4976	4615
2.Suburban	2795	2459	2525	1815	1595	1432
3.Ex-urban	3171	2739	2756	2128	1869	1751

How Constructed

RwURBRUR provides the urbanicity of the Respondent's county of residence at Wave "w." The urbanicity is taken from the Beale codes in the HRS 1992-2022 Cross-Wave Census Region/Division and Mobility File.

The values for RwURBRUR can be 1.Urban, 2.Suburban, or 3.Ex-urban (which also includes rural counties). If there is no match for the Rural-Urban code, a value of .N is assigned. There are currently four sets of Beale codes provided: 1993, 2003, 2013, and 2023. For each wave of data, the Beale code with the closest year is used in creating the RwURBRUR variable. If that value is missing, the next closest Beale code year is used. If that code is also missing, the furthest Beale code year is used. If the Beale code years are equidistant from the interview wave year, the most recent Beale code year is used first. The Beale codes provided in HRS's Cross-Wave Census Region/Division and Mobility File are consolidated from the USDA's Rural-Urban Continuum Codes. USDA's full code list is available on their website. The crosswalk for HRS's classifications is in the codebook of HRS's Cross-Wave Census Region/Division and Mobility File.

The spouse's urbanicity (SwURBRUR) is taken from the Wave "w" spouse's variable, i.e., from the Wave "w" spouse's RwURBRUR.

HRS Variables Used

```
Region:
    BEALE1993_92    HRS URBAN-RURAL CODE 1992 (BEALE 1993)
    BEALE1993_93    HRS URBAN-RURAL CODE 1993 (BEALE 1993)
    BEALE2003_93    HRS URBAN-RURAL CODE 1993 (BEALE 2003)
    BEALE2013_93    HRS URBAN-RURAL CODE 1993 (BEALE 2013)
    BEALE2023_93    HRS URBAN-RURAL CODE 1993 (BEALE 2023)
    BEALE1993_96    HRS URBAN-RURAL CODE 1996 (BEALE 1993)
    BEALE2003_96    HRS URBAN-RURAL CODE 1996 (BEALE 2003)
    BEALE2013_96    HRS URBAN-RURAL CODE 1996 (BEALE 2013)
    BEALE2023_96    HRS URBAN-RURAL CODE 1996 (BEALE 2023)
    BEALE1993_98    HRS URBAN-RURAL CODE 1998 (BEALE 1993)
    BEALE2003_98    HRS URBAN-RURAL CODE 1998 (BEALE 2003)
    BEALE2013_98    HRS URBAN-RURAL CODE 1998 (BEALE 2013)
    BEALE2023_98    HRS URBAN-RURAL CODE 1998 (BEALE 2023)
    BEALE1993_00    HRS URBAN-RURAL CODE 2000 (BEALE 1993)
    BEALE2003_00    HRS URBAN-RURAL CODE 2000 (BEALE 2003)
    BEALE2013_00    HRS URBAN-RURAL CODE 2000 (BEALE 2013)
    BEALE2023_00    HRS URBAN-RURAL CODE 2000 (BEALE 2023)
    BEALE1993_02    HRS URBAN-RURAL CODE 2002 (BEALE 1993)
    BEALE2003_02    HRS URBAN-RURAL CODE 2002 (BEALE 2003)
    BEALE2013_02    HRS URBAN-RURAL CODE 2002 (BEALE 2013)
    BEALE2023_02    HRS URBAN-RURAL CODE 2002 (BEALE 2023)
    BEALE1993_04    HRS URBAN-RURAL CODE 2004 (BEALE 1993)
    BEALE2003_04    HRS URBAN-RURAL CODE 2004 (BEALE 2003)
    BEALE2013_04    HRS URBAN-RURAL CODE 2004 (BEALE 2013)
    BEALE2023_04    HRS URBAN-RURAL CODE 2004 (BEALE 2023)
    BEALE1993_06    HRS URBAN-RURAL CODE 2006 (BEALE 1993)
    BEALE2003_06    HRS URBAN-RURAL CODE 2006 (BEALE 2003)
    BEALE2013_06    HRS URBAN-RURAL CODE 2006 (BEALE 2013)
    BEALE2023_06    HRS URBAN-RURAL CODE 2006 (BEALE 2023)
    BEALE1993_08    HRS URBAN-RURAL CODE 2008 (BEALE 1993)
    BEALE2003_08    HRS URBAN-RURAL CODE 2008 (BEALE 2003)
    BEALE2013_08    HRS URBAN-RURAL CODE 2008 (BEALE 2013)
    BEALE2023_08    HRS URBAN-RURAL CODE 2008 (BEALE 2023)
    BEALE1993_10    HRS URBAN-RURAL CODE 2010 (BEALE 1993)
    BEALE2003_10    HRS URBAN-RURAL CODE 2010 (BEALE 2003)
    BEALE2013_10    HRS URBAN-RURAL CODE 2010 (BEALE 2013)
```

BEALE2023_10	HRS URBAN-RURAL CODE 2010 (BEALE 2023)
BEALE1993_12	HRS URBAN-RURAL CODE 2012 (BEALE 1993)
BEALE2003_12	HRS URBAN-RURAL CODE 2012 (BEALE 2003)
BEALE2013_12	HRS URBAN-RURAL CODE 2012 (BEALE 2013)
BEALE2023_12	HRS URBAN-RURAL CODE 2012 (BEALE 2023)
BEALE1993_14	HRS URBAN-RURAL CODE 2014 (BEALE 1993)
BEALE2003_14	HRS URBAN-RURAL CODE 2014 (BEALE 2003)
BEALE2013_14	HRS URBAN-RURAL CODE 2014 (BEALE 2013)
BEALE2023_14	HRS URBAN-RURAL CODE 2014 (BEALE 2023)
BEALE1993_16	HRS URBAN-RURAL CODE 2016 (BEALE 1993)
BEALE2003_16	HRS URBAN-RURAL CODE 2016 (BEALE 2003)
BEALE2013_16	HRS URBAN-RURAL CODE 2016 (BEALE 2013)
BEALE2023_16	HRS URBAN-RURAL CODE 2016 (BEALE 2023)
BEALE1993_18	HRS URBAN-RURAL CODE 2018 (BEALE 1993)
BEALE2003_18	HRS URBAN-RURAL CODE 2018 (BEALE 2003)
BEALE2013_18	HRS URBAN-RURAL CODE 2018 (BEALE 2013)
BEALE2023_18	HRS URBAN-RURAL CODE 2018 (BEALE 2023)
BEALE1993_20	HRS URBAN-RURAL CODE 2020 (BEALE 1993)
BEALE2003_20	HRS URBAN-RURAL CODE 2020 (BEALE 2003)
BEALE2013_20	HRS URBAN-RURAL CODE 2020 (BEALE 2013)
BEALE2023_20	HRS URBAN-RURAL CODE 2020 (BEALE 2023)
BEALE1993_22	HRS URBAN-RURAL CODE 2022 (BEALE 1993)
BEALE2003_22	HRS URBAN-RURAL CODE 2022 (BEALE 2003)
BEALE2013_22	HRS URBAN-RURAL CODE 2022 (BEALE 2013)
BEALE2023_22	HRS URBAN-RURAL CODE 2022 (BEALE 2023)

Education: Years of Education

Wave	Variable Name	Variable Label	Type
1	RAEDYRS	RAEDYRS: R Years of Education	Categ
1	S1EDYRS	S1EDYRS: S Years of Education	Categ
2	S2EDYRS	S2EDYRS: S Years of Education	Categ
3	S3EDYRS	S3EDYRS: S Years of Education	Categ
4	S4EDYRS	S4EDYRS: S Years of Education	Categ
5	S5EDYRS	S5EDYRS: S Years of Education	Categ
6	S6EDYRS	S6EDYRS: S Years of Education	Categ
7	S7EDYRS	S7EDYRS: S Years of Education	Categ
8	S8EDYRS	S8EDYRS: S Years of Education	Categ
9	S9EDYRS	S9EDYRS: S Years of Education	Categ
10	S10EDYRS	S10EDYRS: S Years of Education	Categ
11	S11EDYRS	S11EDYRS: S Years of Education	Categ
12	S12EDYRS	S12EDYRS: S Years of Education	Categ
13	S13EDYRS	S13EDYRS: S Years of Education	Categ
14	S14EDYRS	S14EDYRS: S Years of Education	Categ
15	S15EDYRS	S15EDYRS: S Years of Education	Categ
16	S16EDYRS	S16EDYRS: S Years of Education	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAEDYRS	44992	12.21	3.45	0.0	17.0
S1EDYRS	10135	12.07	3.26	0.0	17.0
S2EDYRS	13457	11.84	3.40	0.0	17.0
S3EDYRS	12191	11.95	3.34	0.0	17.0
S4EDYRS	14352	12.21	3.29	0.0	17.0
S5EDYRS	12953	12.29	3.30	0.0	17.0
S6EDYRS	11783	12.40	3.25	0.0	17.0
S7EDYRS	13201	12.60	3.23	0.0	17.0
S8EDYRS	11922	12.68	3.20	0.0	17.0
S9EDYRS	10870	12.76	3.17	0.0	17.0
S10EDYRS	13862	12.81	3.22	0.0	17.0
S11EDYRS	12788	12.84	3.24	0.0	17.0
S12EDYRS	11331	12.91	3.23	0.0	17.0
S13EDYRS	12270	12.88	3.41	0.0	17.0
S14EDYRS	9987	12.99	3.36	0.0	17.0
S15EDYRS	9095	13.06	3.37	0.0	17.0
S16EDYRS	8392	13.16	3.35	0.0	17.0

Categorical Variable Codes

RAEDYRS: R Years of Education

Value	
.M=Missing	173
0.None	478
1	143
2	222
3	483
4	401
5	446
6	1094
7	725
8	2106
9	1567
10	2189
11	2266
12	13705
13	3320
14	4752
15	1705
16	5057
17.17+ yrs	4333

SwEDYRS: S Years of Education

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Missing		11	5	3		3	21	25	25	63
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	144	206	138	161	88	73	130	105	116	312
0.None	80	135	117	113	106	91	93	81	68	91
1	23	49	38	44	32	32	32	28	26	34
2	45	57	48	54	48	33	44	32	28	60
3	104	158	130	139	120	106	119	101	85	113
4	83	141	111	117	107	82	76	64	63	80
5	106	163	139	139	127	106	99	86	71	89
6	206	279	249	263	223	191	235	202	175	306
7	154	260	207	202	188	166	162	148	120	139
8	512	846	719	738	631	527	485	408	342	332
9	382	559	479	501	451	393	389	341	297	359
10	582	794	688	758	650	574	580	508	452	507
11	532	691	620	696	622	542	553	503	434	578
12	3643	4689	4299	4942	4403	4051	4353	3916	3588	4319
13	653	837	795	988	901	820	989	913	846	1088
14	903	1112	1052	1331	1190	1099	1345	1217	1110	1573
15	316	413	375	504	457	443	532	472	437	613
16	878	1114	1043	1408	1338	1246	1551	1430	1339	1861
17.17+ yrs	933	1160	1082	1415	1359	1281	1564	1472	1389	1720

Value	w11	w12	w13	w14	w15	w16
.M=Missing	62	56	51	38	37	41
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	231	235	567	437	389	807
0.None	85	78	157	110	101	76
1	34	26	31	27	21	22
2	54	52	58	46	47	38
3	108	97	105	79	75	64
4	80	56	70	55	51	46
5	82	72	75	62	52	53
6	296	259	307	256	234	239
7	122	99	94	74	61	51
8	275	230	235	163	141	116

9	314	263	290	232	177	179
10	456	373	366	284	243	225
11	527	465	463	354	311	281
12	3930	3436	3554	2822	2508	2188
13	1037	900	983	809	748	667
14	1457	1323	1483	1227	1131	1072
15	567	520	549	448	418	378
16	1747	1614	1861	1604	1498	1447
17.17+ yrs	1617	1468	1589	1335	1278	1250

How Constructed

The years of education variable is assigned by looking at reports from all waves of data and then from the Tracker. The first non-missing value from all waves of data is used. If RAEDYRS is missing, then the non-missing SCHLYRS variable from Tracker file is used.

The spouse variables SwEDYRS and SwEDYRF are taken from the Wave "w" spouse's RAEDYRS and RAEDYRF.

Cross Wave Differences in Original HRS Data

In Wave 1, years of education is imputed. It is not imputed in any other wave.

HRS Variables Used

```
HRS 1992:
    V10207          V207 EDUCATION IMP  :IND
    V207            A3:HIGHEST EDUCATION:IMP
AHEAD 1993:
    B125            A3. R'S EDUCATION
HRS 1994:
    W221            A13. Highest Education
AHEAD 1995:
    D649            A3. R EDUCATION
HRS 1996:
    E649            A3.R EDUCATION
HRS 1998:
    F987            A3.R EDUCATION
HRS 2000:
    G1074           A3.R EDUCATION
HRS 2002-2022:
    xB014           R HIGHEST LEVEL OF EDUCATION
Tracker:
    SCHLYRS             NUMBER OF YEARS IN SCHOOL
```

Education: Degrees, Diplomas

Wave	Variable Name	Variable Label	Type
1	RAEDEGRM	RAEDEGRM: R Highest Degree-masked	Categ
1	S1EDEGRM	S1EDEGRM: S Highest Degree-masked	Categ
2	S2EDEGRM	S2EDEGRM: S Highest Degree-masked	Categ
3	S3EDEGRM	S3EDEGRM: S Highest Degree-masked	Categ
4	S4EDEGRM	S4EDEGRM: S Highest Degree-masked	Categ
5	S5EDEGRM	S5EDEGRM: S Highest Degree-masked	Categ
6	S6EDEGRM	S6EDEGRM: S Highest Degree-masked	Categ
7	S7EDEGRM	S7EDEGRM: S Highest Degree-masked	Categ
8	S8EDEGRM	S8EDEGRM: S Highest Degree-masked	Categ
9	S9EDEGRM	S9EDEGRM: S Highest Degree-masked	Categ
10	S10EDEGRM	S10EDEGRM: S Highest Degree-masked	Categ
11	S11EDEGRM	S11EDEGRM: S Highest Degree-masked	Categ
12	S12EDEGRM	S12EDEGRM: S Highest Degree-masked	Categ
13	S13EDEGRM	S13EDEGRM: S Highest Degree-masked	Categ
14	S14EDEGRM	S14EDEGRM: S Highest Degree-masked	Categ
15	S15EDEGRM	S15EDEGRM: S Highest Degree-masked	Categ
16	S16EDEGRM	S16EDEGRM: S Highest Degree-masked	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAEDEGRM	45165	2.42	1.92	0.0	8.0
S1EDEGRM	10143	2.28	1.88	0.0	8.0
S2EDEGRM	13467	2.17	1.88	0.0	8.0
S3EDEGRM	12197	2.22	1.88	0.0	8.0
S4EDEGRM	14359	2.39	1.91	0.0	8.0
S5EDEGRM	12955	2.44	1.93	0.0	8.0
S6EDEGRM	11787	2.50	1.93	0.0	8.0
S7EDEGRM	13222	2.64	1.93	0.0	8.0
S8EDEGRM	11947	2.68	1.94	0.0	8.0
S9EDEGRM	10896	2.73	1.94	0.0	8.0
S10EDEGRM	13931	2.77	1.91	0.0	8.0
S11EDEGRM	12854	2.80	1.91	0.0	8.0
S12EDEGRM	11394	2.85	1.91	0.0	8.0
S13EDEGRM	12284	2.89	1.90	0.0	8.0
S14EDEGRM	10017	2.95	1.90	0.0	8.0
S15EDEGRM	9123	3.01	1.90	0.0	8.0
S16EDEGRM	8415	3.07	1.92	0.0	8.0

Categorical Variable Codes

RAEDEGRM: R Highest Degree-masked

Value	
0.No degree	11210
1.GED	2234
2.HS	12450
3.HS/GED	7850
4.AA/ Lt BA	2434
5.BA	5665
6.MA/MBA	2723
7.Law/MD/PhD	575
8.Other	24

SwEDEGRM: S Highest Degree-masked

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	136	207	137	157	86	72	130	105	115	306
0.No degree	2573	3884	3322	3482	3047	2596	2608	2277	1961	2394
1.GED	531	592	549	651	601	557	604	554	511	724
2.HS	3319	4321	3952	4552	4037	3722	4000	3585	3271	3915
3.HS/GED	1613	2097	1961	2398	2166	1993	2365	2139	1976	2594
4.AA/ Lt BA	363	404	376	535	483	452	611	559	514	837
5.BA	1025	1262	1193	1610	1536	1437	1792	1669	1564	2162
6.MA/MBA	507	648	599	809	783	735	908	858	813	1035
7.Law/MD/PhD	204	248	239	315	300	291	331	302	282	264
8.Other	8	11	6	7	2	4	3	4	4	6

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	227	228	604	445	398	825
0.No degree	2149	1837	1931	1499	1287	1182
1.GED	667	572	623	495	457	388
2.HS	3577	3127	3232	2567	2275	2018
3.HS/GED	2407	2164	2325	1902	1757	1594
4.AA/ Lt BA	797	723	865	738	671	631
5.BA	2028	1848	2093	1793	1687	1639
6.MA/MBA	980	900	1033	869	850	842
7.Law/MD/PhD	245	218	178	150	135	116
8.Other	4	5	4	4	4	5

How Constructed

The highest degree is assigned by looking at reports from Tracker and all waves of data. The first non-missing value is used. If the Respondent reports 12 or fewer years of school, they are asked about a HS degree only. If the Respondent reports 13 or more years of school, they are asked about college degrees only, and if they do not have any, the assumption is completion of HS, but the data do not distinguish a diploma from a GED.

The detail of the higher-level degrees varies across waves. RAEDEGRM is recoded to categories that are consistently available across waves. For degrees higher than BA, there are 2 categories: MA/MBA and MD/Law/PhD through Wave 7. In Wave 8, MD/Law/PhD is included in the "other" category, so cannot be identified separately. If a Respondent first responds in Wave 8, then MD/Law/PhD degrees will be coded as "other."

Overlapping categories occur for high school degrees where the information is sometimes incomplete, i.e., 1=GED, 2=HS and 3=HS or GED.

This variable combines the HS degree, any college degree, and highest degree. If it is missing from all waves, RAEDYRS is used to assign degree: 0-11=no degree; 12, 13=HS/GED; 14, 15=AA; 16, 17=BA.

The spouse variables SwEDEGRM are taken from the Wave "w" spouse's RAEDEGRM variable.

Cross Wave Differences in Original HRS Data

The categories for higher level degrees (beyond BA) vary across waves. In Waves 1 and 2H, MA and MBA are coded separately. For Wave 2A, higher level degrees are indicated by two categories: "Advanced degree/non-professional" and "Advanced degree/professional." From Wave 3 forward, the MA and MBA categories were collapsed. In Waves 1, 2, 3H, 4 and 5 Law/MD and PhD are 2 separate categories. In Waves 3A, 6, and 7, these are collapsed into one category, Law/MD/PhD. From Wave 8 and forward, Law/MD and PhD are not identifiable; they are included in the "other" category.

The wording for degrees less than BA changes across waves. In Waves 1 and 2H it is "Associates." In Wave 2A, and from Wave 3 forward, it is "less than Bachelor's."

HRS Variables Used

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HRS 1992:
    V10207          V207 EDUCATION IMP  :IND
    V207            A3:HIGHEST EDUCATION:IMP
    V208            A3A:HI SCHL DIPLOMA/GED
    V210            A3C:COLLEGE DEGREE (Y/N)
    V211            A3D:HIGHEST DEGREE
AHEAD 1993:
    B125            A3. R'S EDUCATION
    B126            A3a. R FINISH HIGH SCHOOL
    B128            A3b. R FINISH COLLEGE
HRS 1994:
    W221            A13. Highest Education
    W222            A13a. HS Diploma/GED
    W224            A13c. College Degree
    W225            A13d. Highest Degree
AHEAD 1995:
    D649            A3. R EDUCATION
    D650            A3A.R HIGH SCHOOL
    D651            A3B.R COLLEGE
    D652M           A3C.R HIGH DEGREE - MASKED
    DEGREE          A3c. R'S HIGHEST DEGREE
HRS 1996:
    E649            A3.R EDUCATION
    E650            A3A.R HIGH SCHOOL
    E651            A3B.R COLLEGE
    E652M           A3C.R HIGH DEGREE - MASKED
HRS 1998:
    F987            A3.R EDUCATION
    F988            A3A.R HIGH SCHOOL
    F989            A3B.R COLLEGE
    F990M           A3C.R HIGH DEGREE - MASKED
HRS 2000:
    G1074           A3.R EDUCATION
    G1075           A3A.R HIGH SCHOOL
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    G1076           A3B.R COLLEGE
    G1077M          A3C.R HIGH DEGREE - MASKED
HRS 2002-2022:
    xB014           R HIGHEST LEVEL OF EDUCATION
    xB015           R EARN HIGH SCHOOL DIPLOMA/GED
    xB016           R COLLEGE DEGREE
    xB017M          R HIGHEST DEGREE - MASKED
Tracker:
    DEGREE              HIGHEST DEGREE OF EDUCATION
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Education: Categorical summary

Wave	Variable Name	Variable Label	Type
1	RAEDUC	RAEDUC: R education (categ)	Categ
1	S1EDUC	S1EDUC: S education (categ)	Categ
2	S2EDUC	S2EDUC: S education (categ)	Categ
3	S3EDUC	S3EDUC: S education (categ)	Categ
4	S4EDUC	S4EDUC: S education (categ)	Categ
5	S5EDUC	S5EDUC: S education (categ)	Categ
6	S6EDUC	S6EDUC: S education (categ)	Categ
7	S7EDUC	S7EDUC: S education (categ)	Categ
8	S8EDUC	S8EDUC: S education (categ)	Categ
9	S9EDUC	S9EDUC: S education (categ)	Categ
10	S10EDUC	S10EDUC: S education (categ)	Categ
11	S11EDUC	S11EDUC: S education (categ)	Categ
12	S12EDUC	S12EDUC: S education (categ)	Categ
13	S13EDUC	S13EDUC: S education (categ)	Categ
14	S14EDUC	S14EDUC: S education (categ)	Categ
15	S15EDUC	S15EDUC: S education (categ)	Categ
16	S16EDUC	S16EDUC: S education (categ)	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAEDUC	45141	3.08	1.43	1.0	5.0
S1EDUC	10135	2.97	1.39	1.0	5.0
S2EDUC	13456	2.88	1.42	1.0	5.0
S3EDUC	12191	2.93	1.41	1.0	5.0
S4EDUC	14352	3.05	1.41	1.0	5.0
S5EDUC	12953	3.09	1.41	1.0	5.0
S6EDUC	11783	3.14	1.40	1.0	5.0
S7EDUC	13219	3.24	1.38	1.0	5.0
S8EDUC	11943	3.27	1.38	1.0	5.0
S9EDUC	10892	3.31	1.37	1.0	5.0
S10EDUC	13925	3.35	1.36	1.0	5.0
S11EDUC	12850	3.37	1.36	1.0	5.0
S12EDUC	11389	3.40	1.35	1.0	5.0
S13EDUC	12280	3.43	1.35	1.0	5.0
S14EDUC	10013	3.48	1.34	1.0	5.0
S15EDUC	9119	3.52	1.34	1.0	5.0
S16EDUC	8410	3.55	1.34	1.0	5.0

Categorical Variable Codes

RAEDUC: R education (categ)

Value	
.M=Missing	24
1.Lt High-school	11210
2.GED	2234
3.High-school graduate	12493
4.Some college	10241
5.College and above	8963

SwEDUC: S education (categ)

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Missing		11	5	3		3	3	3	3	3
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	144	207	138	161	88	73	130	106	116	309
1.Lt High-school	2573	3884	3322	3482	3047	2596	2608	2277	1961	2394
2.GED	531	592	549	651	601	557	604	554	511	724
3.High-school graduate	3346	4349	3976	4575	4058	3738	4016	3599	3287	3930
4.Some college	1949	2473	2313	2910	2628	2429	2960	2684	2474	3416
5.College and above	1736	2158	2031	2734	2619	2463	3031	2829	2659	3461

Value	w11	w12	w13	w14	w15	w16
.M=Missing	2	3	3	2	3	5
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	229	230	605	447	399	825
1.Lt High-school	2149	1837	1931	1499	1287	1182
2.GED	667	572	623	495	457	388
3.High-school graduate	3590	3139	3241	2575	2283	2023
4.Some college	3191	2875	3181	2632	2420	2220
5.College and above	3253	2966	3304	2812	2672	2597

How Constructed

Categorical education recodes the years of education, whether high school degree, and college degrees in a more general way than RAEDEGR. RAEDUC recodes dropouts, HS diplomas, and GEDs directly from RAEDEGR. If the Respondent has a high school diploma or GED and years of education over 12, RAEDUC is set to "some college." RAEDUC is also set to "some college" if the degree is less than a BA, or "other." If the Respondent has exactly 12 years of education but no college degree, then a high school diploma is assumed. If the college degree is a BA or greater, RAEDUC is set to "college and above."

The spouse variable SwEDUC is taken from the Wave "w" spouse's RAEDUC variable.

Cross Wave Differences in Original HRS Data

The categories for higher level degrees (beyond BA) vary across waves. In Waves 1 and 2H, MA and MBA are coded separately. For Wave 2A, higher level degrees are indicated by two categories: "Advanced degree/non-professional" and "Advanced degree/professional." From Wave 3 forward, the MA and MBA categories were collapsed. In Waves 1, 2, 3H, 4 and 5, Law/MD and PhD are 2 separate categories. For Wave 3A, 6 and 7, these are collapsed into one category, Law/MD/PhD. From Wave 8 and forward, Law/MD and PhD are not identifiable; they are included in the "other" category.

The wording for degrees less than BA changes across waves. In Waves 1 and 2H it is "Associates." For Wave 2A, and from Wave 3 forward, it is "less than Bachelor's."

Parents' Education

Wave	Variable Name	Variable Label	Type
1	RAMEDUC	RAMEDUC: R Mother's Years Education	Categ
1	S1MEDUC	S1MEDUC: S Mother's Years Education	Categ
2	S2MEDUC	S2MEDUC: S Mother's Years Education	Categ
3	S3MEDUC	S3MEDUC: S Mother's Years Education	Categ
4	S4MEDUC	S4MEDUC: S Mother's Years Education	Categ
5	S5MEDUC	S5MEDUC: S Mother's Years Education	Categ
6	S6MEDUC	S6MEDUC: S Mother's Years Education	Categ
7	S7MEDUC	S7MEDUC: S Mother's Years Education	Categ
8	S8MEDUC	S8MEDUC: S Mother's Years Education	Categ
9	S9MEDUC	S9MEDUC: S Mother's Years Education	Categ
10	S10MEDUC	S10MEDUC: S Mother's Years Education	Categ
11	S11MEDUC	S11MEDUC: S Mother's Years Education	Categ
12	S12MEDUC	S12MEDUC: S Mother's Years Education	Categ
13	S13MEDUC	S13MEDUC: S Mother's Years Education	Categ
14	S14MEDUC	S14MEDUC: S Mother's Years Education	Categ
15	S15MEDUC	S15MEDUC: S Mother's Years Education	Categ
16	S16MEDUC	S16MEDUC: S Mother's Years Education	Categ
1	RAFEDUC	RAFEDUC: R Father's Years Education	Categ
1	S1FEDUC	S1FEDUC: S Father's Years Education	Categ
2	S2FEDUC	S2FEDUC: S Father's Years Education	Categ
3	S3FEDUC	S3FEDUC: S Father's Years Education	Categ
4	S4FEDUC	S4FEDUC: S Father's Years Education	Categ
5	S5FEDUC	S5FEDUC: S Father's Years Education	Categ
6	S6FEDUC	S6FEDUC: S Father's Years Education	Categ
7	S7FEDUC	S7FEDUC: S Father's Years Education	Categ
8	S8FEDUC	S8FEDUC: S Father's Years Education	Categ
9	S9FEDUC	S9FEDUC: S Father's Years Education	Categ
10	S10FEDUC	S10FEDUC: S Father's Years Education	Categ
11	S11FEDUC	S11FEDUC: S Father's Years Education	Categ
12	S12FEDUC	S12FEDUC: S Father's Years Education	Categ
13	S13FEDUC	S13FEDUC: S Father's Years Education	Categ
14	S14FEDUC	S14FEDUC: S Father's Years Education	Categ
15	S15FEDUC	S15FEDUC: S Father's Years Education	Categ
16	S16FEDUC	S16FEDUC: S Father's Years Education	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAMEDUC	40090	9.56	3.70	0.0	17.0
S1MEDUC	9214	9.28	3.61	0.0	17.0
S2MEDUC	12151	8.91	3.06	0.0	17.0
S3MEDUC	11067	8.97	3.12	0.0	17.0
S4MEDUC	12894	9.27	3.33	0.0	17.0
S5MEDUC	11679	9.34	3.40	0.0	17.0
S6MEDUC	10631	9.43	3.44	0.0	17.0
S7MEDUC	11990	9.70	3.58	0.0	17.0
S8MEDUC	10848	9.78	3.59	0.0	17.0
S9MEDUC	9943	9.85	3.62	0.0	17.0
S10MEDUC	12746	9.97	3.91	0.0	17.0
S11MEDUC	11787	9.98	3.96	0.0	17.0
S12MEDUC	10478	10.02	4.00	0.0	17.0
S13MEDUC	11329	10.21	4.07	0.0	17.0
S14MEDUC	9291	10.27	4.09	0.0	17.0
S15MEDUC	8459	10.35	4.10	0.0	17.0

S16MEDUC	7832	10.40	4.20	0.0	17.0
RAFEDUC	37160	9.34	3.97	0.0	17.0
S1FEDUC	8950	8.98	3.96	0.0	17.0
S2FEDUC	11898	8.69	3.31	0.0	17.0
S3FEDUC	10824	8.75	3.37	0.0	17.0
S4FEDUC	12370	8.96	3.63	0.0	17.0
S5FEDUC	11200	9.02	3.71	0.0	17.0
S6FEDUC	10171	9.13	3.75	0.0	17.0
S7FEDUC	11384	9.41	3.91	0.0	17.0
S8FEDUC	10305	9.50	3.91	0.0	17.0
S9FEDUC	9429	9.56	3.93	0.0	17.0
S10FEDUC	11877	9.76	4.18	0.0	17.0
S11FEDUC	10979	9.78	4.23	0.0	17.0
S12FEDUC	9743	9.91	4.24	0.0	17.0
S13FEDUC	10444	10.05	4.36	0.0	17.0
S14FEDUC	8562	10.16	4.37	0.0	17.0
S15FEDUC	7835	10.27	4.40	0.0	17.0
S16FEDUC	7166	10.35	4.46	0.0	17.0

Categorical Variable Codes

RAMEDUC: R Mother's Years Education

Value	
.D=DK	4724
.M=Missing	334
.R=RF	17
0.None	1591
1	157
2	312
3	783
4	702
5	811
6	2106
7	907
7.5.Lt 8 yrs	3375
8	4280
8.5.8+ yrs	3848
9	1184
10	1904
11	1222
12	11624
13	755
14	1569
15	314
16	1932
17.17+ yrs	714

SwMEDUC: S Mother's Years Education

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	878	1184	1015	1343	1172	1058	1133	1006	866	1095
.M=Missing	9	96	110	115	99	93	97	90	81	86
.R=RF		1	1	4	3	3	2	2	2	3
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	178	242	141	160	88	74	130	106	119	307
0.None	327	297	281	363	341	316	392	350	325	579
1	35	29	28	36	35	34	38	33	28	67
2	63	58	56	70	67	65	82	76	69	121
3	207	190	176	224	215	190	231	214	200	260
4	267	239	214	263	251	226	244	222	203	249
5	274	251	230	272	252	226	246	213	195	243
6	726	640	596	722	683	624	687	618	571	743
7	341	308	283	346	316	292	293	263	240	278
7.5.Lt 8 yrs	35	1700	1356	1018	743	543	388	272	196	112
8	1951	1774	1654	2104	1962	1833	1901	1725	1586	1667
8.5.8+ yrs	81	2201	1955	1580	1212	927	731	533	381	250
9	365	329	316	384	354	342	387	363	335	423
10	637	560	539	670	628	608	678	627	581	707
11	331	299	274	366	352	340	396	375	350	477
12	2602	2379	2233	3181	3020	2865	3756	3521	3305	4563
13	156	141	132	224	215	202	243	235	221	291
14	344	319	314	450	433	418	509	473	454	613
15	55	53	54	70	65	62	88	83	83	121
16	318	294	286	430	414	396	531	497	471	728
17.17+ yrs	99	90	90	121	121	122	169	155	149	254

Value	w11	w12	w13	w14	w15	w16
.D=DK	987	842	872	662	606	504
.M=Missing	74	68	74	58	50	70
.R=RF	2	3	4	3	1	4
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	231	231	609	448	405	830
0.None	566	522	583	487	447	437
1	67	58	62	55	47	36
2	114	110	118	95	79	86
3	254	221	241	200	177	183
4	228	197	202	160	135	120
5	215	194	204	164	149	134
6	695	612	663	527	492	453
7	259	225	228	177	145	138
7.5.Lt 8 yrs	75	42	21	9	4	1
8	1498	1288	1144	882	771	638
8.5.8+ yrs	165	106	51	26	16	12
9	378	324	347	279	244	216
10	662	603	630	514	449	381
11	445	398	407	332	279	248
12	4273	3864	4352	3629	3360	3113
13	272	230	289	244	234	200
14	570	511	593	494	461	450
15	110	105	119	101	95	89
16	708	657	796	678	648	660
17.17+ yrs	233	211	279	238	227	237

RAFEDUC: R Father's Years Education

Value	
.D=DK	5623
.M=Missing	2363
.R=RF	19
0.None	1522
1	161
2	373
3	1043
4	854
5	966
6	2278
7	914
7.5.Lt 8 yrs	3638
8	4322
8.5.8+ yrs	3572
9	1028
10	1568
11	821
12	8500
13	577
14	1166
15	301
16	2183
17.17+ yrs	1373

SwFEDUC: S Father's Years Education

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	1131	1426	1245	1567	1378	1251	1349	1195	1044	1370
.M=Missing	11	98	115	400	369	353	473	438	405	661
.R=RF				3	3	3	5	5	4	5
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	187	252	150	176	91	81	141	109	129	324
0.None	387	357	313	417	392	346	403	354	318	517
1	45	40	37	39	44	39	49	42	42	67
2	98	85	79	108	95	80	106	93	82	122
3	307	273	258	344	323	290	335	303	277	363
4	326	297	289	342	326	308	322	296	272	305
5	357	317	297	371	352	326	350	305	290	340
6	765	678	640	787	737	689	764	685	632	826
7	327	291	267	330	305	280	308	274	245	279
7.5.Lt 8 yrs	34	1866	1516	1155	833	626	458	335	245	140
8	1898	1735	1611	2046	1910	1795	1926	1794	1643	1814
8.5.8+ yrs	74	2016	1771	1410	1105	828	643	462	331	219
9	350	316	302	373	348	335	373	333	314	397
10	553	494	470	582	559	526	602	551	519	648
11	246	226	210	267	254	231	274	266	250	335
12	2117	1923	1810	2429	2309	2195	2782	2648	2502	3340
13	109	108	106	163	157	153	219	206	192	248
14	256	239	225	326	317	317	363	347	316	441
15	70	66	60	92	90	87	99	97	95	131
16	379	345	331	462	426	417	608	547	519	810
17.17+ yrs	252	226	232	327	318	303	400	367	345	535

Value	w11	w12	w13	w14	w15	w16
.D=DK	1241	1070	1130	872	773	692
.M=Missing	610	564	672	532	462	495
.R=RF	3	4	6	5	4	7
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	248	241	636	491	447	880

0.None	504	437	503	405	382	349
1	67	52	62	50	43	39
2	119	109	116	99	92	94
3	341	295	314	258	222	214
4	269	227	230	176	150	140
5	304	261	283	224	197	174
6	773	678	759	616	547	495
7	262	230	254	201	169	162
7.5.Lt 8 yrs	92	52	27	11	7	2
8	1647	1414	1315	1013	900	745
8.5.8+ yrs	145	94	44	24	13	11
9	360	303	309	253	231	195
10	605	546	549	455	401	361
11	316	306	287	241	195	188
12	3130	2835	3147	2629	2457	2226
13	240	209	241	198	186	161
14	401	387	428	359	340	341
15	121	114	114	91	76	80
16	773	712	888	772	752	716
17.17+ yrs	510	482	574	487	475	473

How Constructed

These variables are assigned by looking at all waves of data for the first non-missing values. In Wave 1 and from Wave 4 forward, a question asks for the [father's/mother's] years of education. Wave 2H does not ask the question at all. In Wave 3H and in Waves 2A and 3A of the AHEAD sample, the question asks if they attended school for 8 or more years.

Wave 1 or Waves 4 and after, are used first, if not missing. If only Wave 3H data are available or for the AHEAD sample–Waves 2A and 3A, 7.5 years is assigned if less than 8 years, and 8.5 is assigned if 8 or more.

The spouse variables SwFEDUC and SwMEDUC are taken from the spouse's Wave "w" RAFEDUC and RAMEDUC variables, respectively.

Cross Wave Differences in Original HRS Data

In Wave 1 the question is: "What is the highest grade of school your father completed?" Answers are given in years of school, 0-17.

In Wave 2H, the question is not asked at all.

In Wave 3H, and for the AHEAD sample, Waves 2A and 3A, the question is: "Did your father/mother attend 8 years or more of school?" and the possible answers are "yes" and "no."

From Wave 4 forward, the question is similar to the Wave 1 wording: "And what is the highest grade of school your father/mother completed?" with possible answers ranging from 0-17.

HRS Variables Used

```
HRS 1992:
    V212            A4:MOTHER-HIGHEST GRADE
    V213            A5:FATHER-HIGHEST GRADE
AHEAD 1993:
    B130            A4. MOTHER IN SCHOOL 8/+ YEARS
    B131            A5. FATHER IN SCHOOL 8/+ YEARS
AHEAD 1995:
    D654            A4.MA EDUC
```

```
    D655            A5.PA EDUC
HRS 1996:
    E654            A4.MOTHER EDUC
    E655            A5.FATHER EDUC
HRS 1998:
    F1000           A5.PA EDUC
    F1001           A6.MA EDUC
HRS 2000:
    G1087           A5.PA EDUC
    G1088           A6.MA EDUC
HRS 2002-2022:
    xB026           FATHER EDUCATION- HIGHEST GRADE
    xB027           MOTHER EDUCATION- HIGHEST GRADE
```

Current Marital Status: With partnership

Wave	Variable Name	Variable Label	Type
1	R1MSTAT	R1MSTAT:W1 R Marital Status	Categ
2	R2MSTAT	R2MSTAT:W2 R Marital Status	Categ
3	R3MSTAT	R3MSTAT:W3 R Marital Status	Categ
4	R4MSTAT	R4MSTAT:W4 R Marital Status	Categ
5	R5MSTAT	R5MSTAT:W5 R Marital Status	Categ
6	R6MSTAT	R6MSTAT:W6 R Marital Status	Categ
7	R7MSTAT	R7MSTAT:W7 R Marital Status	Categ
8	R8MSTAT	R8MSTAT:W8 R Marital Status	Categ
9	R9MSTAT	R9MSTAT:W9 R Marital Status	Categ
10	R10MSTAT	R10MSTAT:W10 R Marital Status	Categ
11	R11MSTAT	R11MSTAT:W11 R Marital Status	Categ
12	R12MSTAT	R12MSTAT:W12 R Marital Status	Categ
13	R13MSTAT	R13MSTAT:W13 R Marital Status	Categ
14	R14MSTAT	R14MSTAT:W14 R Marital Status	Categ
15	R15MSTAT	R15MSTAT:W15 R Marital Status	Categ
16	R16MSTAT	R16MSTAT:W16 R Marital Status	Categ
1	S1MSTAT	S1MSTAT:W1 S Marital Status	Categ
2	S2MSTAT	S2MSTAT:W2 S Marital Status	Categ
3	S3MSTAT	S3MSTAT:W3 S Marital Status	Categ
4	S4MSTAT	S4MSTAT:W4 S Marital Status	Categ
5	S5MSTAT	S5MSTAT:W5 S Marital Status	Categ
6	S6MSTAT	S6MSTAT:W6 S Marital Status	Categ
7	S7MSTAT	S7MSTAT:W7 S Marital Status	Categ
8	S8MSTAT	S8MSTAT:W8 S Marital Status	Categ
9	S9MSTAT	S9MSTAT:W9 S Marital Status	Categ
10	S10MSTAT	S10MSTAT:W10 S Marital Status	Categ
11	S11MSTAT	S11MSTAT:W11 S Marital Status	Categ
12	S12MSTAT	S12MSTAT:W12 S Marital Status	Categ
13	S13MSTAT	S13MSTAT:W13 S Marital Status	Categ
14	S14MSTAT	S14MSTAT:W14 S Marital Status	Categ
15	S15MSTAT	S15MSTAT:W15 S Marital Status	Categ
16	S16MSTAT	S16MSTAT:W16 S Marital Status	Categ
E	REMSTAT	REMSTAT:EXIT R Marital Status	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1MSTAT	12652	1.98	1.98	1.0	8.0
R2MSTAT	19642	2.74	2.61	1.0	8.0
R3MSTAT	17928	2.87	2.69	1.0	8.0
R4MSTAT	21360	2.80	2.60	1.0	8.0
R5MSTAT	19558	2.88	2.63	1.0	8.0
R6MSTAT	18150	2.95	2.65	1.0	8.0
R7MSTAT	20114	2.89	2.61	1.0	8.0
R8MSTAT	18467	2.96	2.63	1.0	8.0
R9MSTAT	17215	3.03	2.65	1.0	8.0
R10MSTAT	22028	3.00	2.60	1.0	8.0
R11MSTAT	20538	3.05	2.62	1.0	8.0
R12MSTAT	18728	3.14	2.64	1.0	8.0
R13MSTAT	20880	3.15	2.62	1.0	8.0
R14MSTAT	17120	3.19	2.64	1.0	8.0
R15MSTAT	15685	3.22	2.65	1.0	8.0
R16MSTAT	15747	3.33	2.68	1.0	8.0
S1MSTAT	9900	1.08	0.38	1.0	3.0
S2MSTAT	13090	1.07	0.41	1.0	8.0

S3MSTAT	11917	1.06	0.35	1.0	6.0
S4MSTAT	13980	1.08	0.38	1.0	7.0
S5MSTAT	12730	1.08	0.39	1.0	3.0
S6MSTAT	11639	1.08	0.39	1.0	5.0
S7MSTAT	12972	1.10	0.43	1.0	5.0
S8MSTAT	11735	1.11	0.44	1.0	7.0
S9MSTAT	10646	1.11	0.46	1.0	8.0
S10MSTAT	13513	1.17	0.55	1.0	8.0
S11MSTAT	12484	1.18	0.56	1.0	7.0
S12MSTAT	11012	1.17	0.55	1.0	3.0
S13MSTAT	11779	1.20	0.59	1.0	4.0
S14MSTAT	9358	1.19	0.58	1.0	3.0
S15MSTAT	8477	1.20	0.61	1.0	8.0
S16MSTAT	7840	1.20	0.59	1.0	3.0
REMSTAT	17604	4.34	2.79	1.0	8.0

Categorical Variable Codes

RwMSTAT: R Marital Status

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.J=Web interview, missing										
.M=Missing			63	24	20	15	15	2	2	6
1.Married	9837	13148	11792	13820	12368	11243	12515	11273	10273	12772
2.Married,spouse absent	57	117	155	144	153	166	187	161	140	296
3.Partnered	385	359	380	551	520	450	650	618	598	1167
4.Separated	310	278		331	281	259	323	277	277	464
5.Divorced	1080	1005		1711	1598	1523	1859	1741	1682	2501
6.Separated/divorced		402	1537		1	1		8	6	17
7.Widowed	621	3764	3590	4199	4094	4030	3949	3843	3726	3733
8.Never married	362	569	474	604	543	478	631	546	513	1078

Value	w11	w12	w13	w14	w15	w16
.J=Web interview, missing				6	9	6
.M=Missing	16	19	32	20	29	34
1.Married	11752	10457	11378	9276	8427	8145
2.Married,spouse absent	212	165	193	136	134	104
3.Partnered	1115	1000	1317	1050	960	991
4.Separated	443	434	565	437	358	397
5.Divorced	2364	2186	2719	2252	2109	2257
6.Separated/divorced						
7.Widowed	3645	3573	3400	2860	2687	2642
8.Never married	1007	913	1308	1109	1010	1211

SwMSTAT: S Marital Status

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
1.Married	9492	12701	11484	13373	12124	11075	12219	11027	9993	12218
2.Married,spouse absent	42	22	125	125	141	152	168	152	123	256
3.Partnered	366	321	301	481	465	405	581	553	524	1034
4.Separated		20				6	3	2	2	2
5.Divorced		11				1	1			1
6.Separated/divorced			7							
7.Widowed		7		1				1	3	1
8.Never married		8							1	1

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	597	610	1109	1104	1044	1400
1.Married	11308	9991	10524	8396	7590	7010
2.Married,spouse absent	180	136	157	113	109	76
3.Partnered	988	885	1097	849	767	754
4.Separated	4		1		2	
5.Divorced	2				4	
6.Separated/divorced						
7.Widowed	2					
8.Never married					5	

REMSTAT: EXIT R Marital Status

Value	
.D=DK	25
.M=Oth missing	80
.R=RF	3
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
1.Married	5973
2.Married,spouse absent	1202
3.Partnered	454
4.Separated	258
5.Divorced	1534
6.Separated/divorced	65
7.Widowed	7380
8.Never married	738

How Constructed

Core Interview Variables

This variable is created using current marital status reported for each wave. For Wave 3A of AHEAD, and from Wave 4 forward, a cleaned version of marital status is used, which fills missing marital status using cover sheet data and marital events reported between interviews.

The codes for separation and divorce are combined in Waves 2A, 3A, and 3H; a separate category is used for this ambiguous state. For all waves, RwMSTAT combines "Married, spouse absent" as one category, rather than separating spouse in institution vs. not. HRS Wave 1 imputations are not used at all.

From Wave 7 and forward, some cases report a marital status of annulled, which is treated the same as never married.

The RwMSTAT variables code partnerships, which override the actual marital status that is available for most cases from Wave 4 forward. Some cases report an unmarried status, but have a partner in the same household, particularly in Wave 2. RwMSTAT retains the reported unmarried status. RwMPART indicates the presence of a partner regardless of the RwMSTAT code. Please see RwMPART description for details.

The RwMSTATH variables do not code partnerships, and actual marital status replaces the partnership code if it can be determined. Please see the description of RwMSTATH variables for details.

The spouse variable SwMSTAT is taken from the spouse's data for Wave 'w.' It is set to .U if Respondent is unmarried or unpartnered or .V if the Respondent's spouse or partner did not respond in a given wave.

There are four individuals where discrepancies in reported marital status and partnership were found. These are resolved, and RwMSTAT and RwMPART are set based on examination of all available data for the individuals and their spouse/partners from all waves.

Exit Interview Variables

REMSTAT indicates the Respondent's marital status at time of death. It is created using marital status reported in the Exit Interview.

The marital status codes follow the same categories as the Core Interview measure RwMSTAT: married, married (spouse absent), partnered, separated, divorced, widowed, and never married, and separated/divorced. Separated/divorced is a combined single code used only in Wave 3. However, separate categories for divorced and separated are used in all other waves. REMSTAT combines married and spouse absent as one category, rather than separating spouse in institution vs. not in institution.

From Wave 7 forward, some cases report a marital status of annulled which is treated as "never married."

REMSTAT codes partnerships, which override all other marital status.

Core and Exit Differences

The Core Interview measure, marital status uses questions asked of the Respondent as well as questions asked of the spouse and/or partner. In the Exit Interview data, marital status uses only the proxy's responses for the Respondent.

Cross Wave Differences in Original HRS Data

Core Interview Variables

The asking and coding of marital status differs from wave to wave. In Waves 1 and 2H Respondents are specifically asked their marital status as married, partnered, separated, divorced, widowed or never married. The marital status in the public use data also includes a "Married, spouse absent" status that is split between those whose spouse is in a nursing home, and whose spouse is not institutionalized. In Wave 2A, a single item is used to assess marital status. Response categories include married (spouse present), married (spouse absent), living with someone, separated/divorced, widowed, and never married. The separated and divorced categories are not coded separately.

In Wave 3H, the Respondent is not asked marital status; it is derived from preloaded marital status, and a series of questions in the Cover Sheet section. There is a "corrected" marital status included in the Wave 3H public use data. In addition, the separated and divorced statuses are not coded separately. In Waves 1, 2, and 3H, partnership overrides any other marital status. Marital status in

Wave 3A is also derived using questions from the cover sheet section. The separated and divorced statuses are in a single category, and partnership overrides any other marital status.

Beginning in Wave 4, all partnered and unmarried single Respondents are asked marital status. Through Wave 6, the status must be an unmarried status, treating separated as an unmarried category apart from divorced. Beginning in Wave 7, both married and annulled may be coded, in addition to the unmarried statuses allowed in prior waves. Marital status in the raw data is set to married or separated for Respondents determined to have these statuses from cover sheet section questions. There is no distinction made between spouse present and spouse absent in the raw marital status variable, but this information is available from other questions in the cover sheet section.

The cover sheet section sequence of questions that lead to a marital status and determination of "coupleness," are included in the data starting in Wave 3. These questions are examined to help set the cleaned marital status used in deriving RwMSTAT.

Respondents who have an unmarried to married transition between interviews, or vice versa, are asked about marriages and ends of marriages (divorce or widowhood) that may have occurred between interviews at all waves after the initial interview in which a Respondent appears.

From Wave 4 forward, some partners appear to have married based on these reported marital transitions. These cases often report "other" in response to the question about specific unmarried status; note that "married" is not allowed in response to this question in Waves 4 to 6. Cases with both a reported marital event and a report of "other" marital status are set to married in the cleaned versions of marital status used in deriving RwMSTAT.

Exit Interview Variables

In Wave 2H, the proxy is asked about Respondent's marital status as married, partnered, separated, divorced, widowed, or never married. The marital status includes a married (spouse absent) status that is split between those whose spouse is in a nursing home and those whose spouse is not institutionalized. These are combined into one category which is married, spouse absent.

In Wave 3H, the Respondent is not asked marital status; it is derived from preloaded marital status and a series of questions in the cover sheet section. The separated and divorced statuses are coded in a single category. In Waves 2H and 3, partnership overrides any other marital status. Marital status in Wave 3A is derived by using questions from the cover sheet section, and there is a distinction for married spouse present and married spouse absent.

Beginning in Wave 4, all partnered and unmarried single Respondents are asked marital status. Through Wave 6, the status must be an unmarried status, treating separated as an unmarried category apart from divorced. Beginning in Wave 7, married or annulled are coded, in addition to the unmarried statuses. Marital status in the raw data is set to married or separated for Respondents using the response status from the cover sheet section. There is no difference made between spouse present and spouse absent in the raw marital status variable, however this information is available from other questions in the cover sheet section.

From Wave 7 forward, some cases report a marital status as annulled, which is treated as never married.

HRS Variables Used

Core Interview Variables

```
HRS 1992:
    V10225          A10:CURRENT MAR STAT:IND
    V225            A10:CURRENT MARR STA:IMP
AHEAD 1993:
    B150            A11. R'S MARITAL STATUS
HRS 1994:
    W112            HHCS11: New Spouse Check
    W200            A1. Marital Status
AHEAD 1995:
    D226            CS4.R SAME SP/P
    D227            CS5.SP/P ALIVE
    D240            CS11.R-WHERE LIVE
    D241            CS12.COUPLE LIVE TOGETHER
    DMSTATR         HRS 95: Marital Status (w/ partnered)
HRS 1996:
    E256A           MARRIAGE STATUS - CORRECTED
HRS 1998:
    F1059           A40.POST W1 MARRIAGE START
    F1066           A41.POST W1 DIV/WIDOWED
    F1070           A43.MARITAL STATUS IF UNMARRIED
    F1071           A43A.MARITAL STATUS, ASSIGNED
    F461            PRELOAD COHORT
    F462            PRELOAD MARITAL STATUS
    F475            WHICH IW 1ST R/2ND R
    F502            CS4.1ST R SAME SPOUSE/P
    F504            CS5.PRELOAD SPOUSE/P ALIVE
    F507            CS7.1ST R MARRIED
    F508            CS8.COUPLE PARTNER
    F517            CS11.R IN NURSING HOME
    F521            CS12.COUPLE LIVE TOGETHER
    F524            CS14.SP/P WHERE LIVE
    F528            CS15A.MARRIED OR SEPARATED
    F529            CS15B.SEPARATED:PARTNERED?
    F546            CS15D.CURRENT COUPLENESS
    FMARSTP         HRS 98: Marital Status (w/ partnered)
HRS 2000:
    G1146           A40.POST W1 MARRIAGE START
    G1153           A41.POST W1 DIV/WIDOWED
    G1158           A43A.MARITAL STATUS_ASSIGNED
    G482            CS0Y9.PRELOAD ENTRY COHORT
    G506            CS0Y21.WHICH IW 1ST R/2ND R
    G543            CS4.1ST R SAME SPOUSE/P
    G545            CS5.PRELOAD SPOUSE/P ALIVE
    G548            CS7.1ST R MARRIED
    G549            CS8.COUPLE PARTNER
    G558            CS11.R IN NURSING HOME
    G562            CS12.COUPLE LIVE TOGETHER
    G569            CS15A.MARRIED OR SEPARATED
    G570            CS15B.SEPARATED:PARTNERED?
    G597            CS15D.CURRENT COUPLENESS
    GMARSTP         HRS 00: Marital Status (w/ partnered)
HRS 2002:
    HMARITAL        MARITAL STATUS
HRS 2002-2022:
    xA020           1ST R SAME SP/P
    xA023           PREVIOUS WAVE SP/P ALIVE
```

```
    xA026           R MARRIED
    xA027           LIVING W/P
    xA028           R IN NURSING HOME
    xA030           COUPLE LIVE TOGETHER
    xA033           SP/P IN NURSHOME
    xA034           MARRIED OR SEPARATED
    xA035           SEPARATED/PARTNERED
    xB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    xB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    xB061           MARITAL STATUS IF UNMARRIED
    xX065_R         COUPLENESS STATUS - UPDATED
    xZ023           WHICH COHORT
HRS 2004-2022:
    xB063           MARITAL STATUS ASSIGNED
    xSUBHH          2004 SUB-HOUSEHOLD IDENTIFIER
```

Exit Interview Variables

```
AHEAD 1995:
    N204            PRELOAD MAR STAT
    N245            CS8x.W1 COUPLE PARTNER
    N248            CS10x.W1 ONLY NEW PARTNER
    N250            CS12.COUPLE LIVE TOGETHER
    N674            A21.R MARITAL STATUS
HRS 1996:
    P204            PRELOAD MAR STAT
    P245            CS8x.W1 COUPLE PARTNER
    P248            CS10x.W1 ONLY NEW PARTNER
    P250            CS12.COUPLE LIVE TOGETHER
    P692            A21.R MARITAL
HRS 1998:
    Q1071           A43a.MARITAL STATUS, ASSIGNED
    Q506            CS5x.PRELOAD SPOUSE/P ALIVE
    Q509            CS7x.1ST R MARRIED
    Q510            CS8x.COUPLE PARTNER
    Q523            CS12.COUPLE LIVE TOGETHER
    Q530            CS15A.MARRIED OR SEPARATED
    Q531            CS15B.SEPARATED:PARTNERED?
    Q548            CS15D.CURRENT COUPLENESS
HRS 2000:
    R1134           A43a.MARITAL STATUS ASSIGNED
    R483            CS0Y9a.PRELOAD MARITAL STATUS
    R545            CS5x.PRELOAD SPOUSE/P ALIVE
    R548            CS7x.1ST R MARRIED
    R549            CS8x.COUPLE PARTNER
    R562            CS12.COUPLE LIVE TOGETHER
    R569            CS15A.MARRIED OR SEPARATED
    R570            CS15B.SEPARATED:PARTNERED?
    R597            CS15D.CURRENT COUPLENESS
HRS 2002:
    SA020           1ST R SAME SP/P
    SA023           PREVIOUS WAVE SP/P ALIVE
    SA026           R MARRIED
    SA034           MARRIED OR SEPARATED
    SA038           CURRENT COUPLENESS
HRS 2002-2022:
    xA030           COUPLE LIVE TOGETHER
    xB061           MARITAL STATUS IF UNMARRIED
```

```
    xX065_R          COUPLENESS STATUS R - UPDATED
HRS 2004-2022:
    xA027            LIVING W/P
    xB063            MARITAL STATUS ASSIGNED
```

Tracker Variables

```
Tracker:
    HHID                 HOUSEHOLD IDENTIFIER
    xSUBHH               1992-2022 SUB-HOUSEHOLD IDENTIFIER
```

Current Marital Status: Current Partnership Status

Wave	Variable Name	Variable Label	Type
1	R1MPART	R1MPART:W1 R partnered	Categ
2	R2MPART	R2MPART:W2 R partnered	Categ
3	R3MPART	R3MPART:W3 R partnered	Categ
4	R4MPART	R4MPART:W4 R partnered	Categ
5	R5MPART	R5MPART:W5 R partnered	Categ
6	R6MPART	R6MPART:W6 R partnered	Categ
7	R7MPART	R7MPART:W7 R partnered	Categ
8	R8MPART	R8MPART:W8 R partnered	Categ
9	R9MPART	R9MPART:W9 R partnered	Categ
10	R10MPART	R10MPART:W10 R partnered	Categ
11	R11MPART	R11MPART:W11 R partnered	Categ
12	R12MPART	R12MPART:W12 R partnered	Categ
13	R13MPART	R13MPART:W13 R partnered	Categ
14	R14MPART	R14MPART:W14 R partnered	Categ
15	R15MPART	R15MPART:W15 R partnered	Categ
16	R16MPART	R16MPART:W16 R partnered	Categ
1	S1MPART	S1MPART:W1 S partnered	Categ
2	S2MPART	S2MPART:W2 S partnered	Categ
3	S3MPART	S3MPART:W3 S partnered	Categ
4	S4MPART	S4MPART:W4 S partnered	Categ
5	S5MPART	S5MPART:W5 S partnered	Categ
6	S6MPART	S6MPART:W6 S partnered	Categ
7	S7MPART	S7MPART:W7 S partnered	Categ
8	S8MPART	S8MPART:W8 S partnered	Categ
9	S9MPART	S9MPART:W9 S partnered	Categ
10	S10MPART	S10MPART:W10 S partnered	Categ
11	S11MPART	S11MPART:W11 S partnered	Categ
12	S12MPART	S12MPART:W12 S partnered	Categ
13	S13MPART	S13MPART:W13 S partnered	Categ
14	S14MPART	S14MPART:W14 S partnered	Categ
15	S15MPART	S15MPART:W15 S partnered	Categ
16	S16MPART	S16MPART:W16 S partnered	Categ
E	REMPART	REMPART:EXIT R Partnered	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1MPART	12652	0.03	0.17	0.0	1.0
R2MPART	19642	0.02	0.14	0.0	1.0
R3MPART	17991	0.02	0.15	0.0	1.0
R4MPART	21384	0.03	0.16	0.0	1.0
R5MPART	19578	0.03	0.16	0.0	1.0
R6MPART	18165	0.02	0.16	0.0	1.0
R7MPART	20129	0.03	0.18	0.0	1.0
R8MPART	18469	0.03	0.18	0.0	1.0
R9MPART	17217	0.03	0.18	0.0	1.0
R10MPART	22034	0.05	0.22	0.0	1.0
R11MPART	20554	0.05	0.23	0.0	1.0
R12MPART	18747	0.05	0.22	0.0	1.0
R13MPART	20912	0.06	0.24	0.0	1.0
R14MPART	17146	0.06	0.24	0.0	1.0
R15MPART	15723	0.06	0.24	0.0	1.0
R16MPART	15787	0.06	0.24	0.0	1.0
S1MPART	9900	0.04	0.19	0.0	1.0
S2MPART	13090	0.03	0.17	0.0	1.0

S3MPART	11917	0.03	0.16	0.0	1.0
S4MPART	13980	0.03	0.18	0.0	1.0
S5MPART	12730	0.04	0.19	0.0	1.0
S6MPART	11639	0.03	0.18	0.0	1.0
S7MPART	12972	0.04	0.21	0.0	1.0
S8MPART	11735	0.05	0.21	0.0	1.0
S9MPART	10646	0.05	0.22	0.0	1.0
S10MPART	13513	0.08	0.27	0.0	1.0
S11MPART	12484	0.08	0.27	0.0	1.0
S12MPART	11012	0.08	0.27	0.0	1.0
S13MPART	11779	0.09	0.29	0.0	1.0
S14MPART	9358	0.09	0.29	0.0	1.0
S15MPART	8477	0.09	0.29	0.0	1.0
S16MPART	7840	0.10	0.29	0.0	1.0
REMPART	17712	0.03	0.16	0.0	1.0

Categorical Variable Codes

RwMPART: R partnered

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	12267	19232	17604	20832	19058	17715	19479	17851	16619	20865
1.Yes	385	410	387	552	520	450	650	618	598	1169

Value	w11	w12	w13	w14	w15	w16
0.No	19437	17747	19595	16096	14763	14796
1.Yes	1117	1000	1317	1050	960	991

SwMPART: S partnered

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	9534	12723	11609	13498	12265	11234	12391	11182	10122	12479
1.Yes	366	367	308	482	465	405	581	553	524	1034

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	597	610	1109	1104	1044	1400
0.No	11496	10127	10682	8509	7710	7086
1.Yes	988	885	1097	849	767	754

REMPART: EXIT R Partnered

Value	
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0. No	17258
1. Yes	454

How Constructed

Core Interview Variables

Marital status RwMSTAT indicates partnership; that is, living with a partner who is not the Respondent's spouse. In addition, some cases report an unmarried status, but have a partner in the same household. Another living individual with the same HHID and sub-household ID on the Tracker file, or in the core data, indicates the presence of a partner when the Respondent gives an unmarried status. From Wave 4 forward, the "coupleness" code in the cover sheet section can also indicate a partnership. RwMPART indicates the presence of a partner regardless of the RwMSTAT code.

The spouse variable SwMPART is taken from the spouse's data for Wave 'w.' In some cases, the spouse and Respondent disagree as to whether they are married or partnered, so RwMPART and SwMPART are not always the same in a given wave. SwMPART is set to .U if the Respondent is unmarried and unpartnered or .V if the Respondent's spouse or partner did not respond in a given wave.

Exit Interview Variables

REMPART is a yes/no marital status indicator of whether the Respondent was partnered at the time of death. We define partnered as living with a partner who is not the Respondent's spouse. From Wave 4 forward, a separate cover sheet code indicates partnership.

Core and Exit Differences

Partnership is indicated by a marital status code in Waves 2H and 3 of the Exit Interviews. From Exit Interview Wave 4 forward, REMPART utilizes separate cover sheet data to code partnership.

In the Core Interview measure, partnership can be indicated by another living individual with the same HHID and sub-household ID on the Tracker file or if the core data indicates the presence of a partner when Respondent gives an unmarried status.

Cross Wave Differences in Original HRS Data

Core Interview Variables

Partnership is indicated by a marital status code in Waves 1 to 3H. From Wave 4 forward, it is indicated by a separate cover sheet section variable.

Partnership can also be indicated by a non-married status when the household is a couple, rather than single in any wave.

Exit Interview Variables

In Waves 2H and 3, partnership is indicated by a marital status code in the Exit Interviews. From Wave 4 forward, REMPART utilizes separate cover sheet data.

HRS Variables Used

Core Interview Variables

```
HRS 1992:
    V10225          A10:CURRENT MAR STAT:IND
    V225            A10:CURRENT MARR STA:IMP
AHEAD 1993:
    B150            A11. R'S MARITAL STATUS
HRS 1994:
    W200            A1. Marital Status
AHEAD 1995:
    DMSTATR         HRS 95: Marital Status (w/ partnered)
HRS 1996:
    E256A           MARRIAGE STATUS - CORRECTED
HRS 1998:
    F1071           A43A.MARITAL STATUS, ASSIGNED
    F546            CS15D.CURRENT COUPLENESS
    FMARSTP         HRS 98: Marital Status (w/ partnered)
HRS 2000:
    G1158           A43A.MARITAL STATUS_ASSIGNED
    G597            CS15D.CURRENT COUPLENESS
    GMARSTP         HRS 00: Marital Status (w/ partnered)
HRS 2002:
    HMARITAL        MARITAL STATUS
HRS 2002-2022:
    xPN_SP          2002 SPOUSE/PARTNER PERSON NUMBER
    xSUBHH          2002 SUB-HOUSEHOLD IDENTIFIER
    xX065_R         COUPLENESS STATUS - UPDATED
```

Exit Interview Variables

```
AHEAD 1995:
    N204            PRELOAD MAR STAT
    N245            CS8x.W1 COUPLE PARTNER
    N248            CS10x.W1 ONLY NEW PARTNER
    N250            CS12.COUPLE LIVE TOGETHER
    N674            A21.R MARITAL STATUS
HRS 1996:
    P204            PRELOAD MAR STAT
    P245            CS8x.W1 COUPLE PARTNER
    P248            CS10x.W1 ONLY NEW PARTNER
    P250            CS12.COUPLE LIVE TOGETHER
    P692            A21.R MARITAL
HRS 1998:
    Q1071           A43a.MARITAL STATUS, ASSIGNED
    Q506            CS5x.PRELOAD SPOUSE/P ALIVE
    Q509            CS7x.1ST R MARRIED
    Q510            CS8x.COUPLE PARTNER
    Q523            CS12.COUPLE LIVE TOGETHER
    Q530            CS15A.MARRIED OR SEPARATED
```

```
    Q531            CS15B.SEPARATED:PARTNERED?
    Q548            CS15D.CURRENT COUPLENESS
HRS 2000:
    R1134           A43a.MARITAL STATUS ASSIGNED
    R483            CS0Y9a.PRELOAD MARITAL STATUS
    R545            CS5x.PRELOAD SPOUSE/P ALIVE
    R548            CS7x.1ST R MARRIED
    R549            CS8x.COUPLE PARTNER
    R562            CS12.COUPLE LIVE TOGETHER
    R569            CS15A.MARRIED OR SEPARATED
    R570            CS15B.SEPARATED:PARTNERED?
    R597            CS15D.CURRENT COUPLENESS
HRS 2002:
    SA020           1ST R SAME SP/P
    SA023           PREVIOUS WAVE SP/P ALIVE
    SA026           R MARRIED
    SA034           MARRIED OR SEPARATED
    SA038           CURRENT COUPLENESS
HRS 2002-2022:
    xA030           COUPLE LIVE TOGETHER
    xB061           MARITAL STATUS IF UNMARRIED
    xX065_R         COUPLENESS STATUS R - UPDATED
HRS 2004-2022:
    xA027           LIVING W/P
    xB063           MARITAL STATUS ASSIGNED
```

Tracker Variables

```
Tracker:
    HHID                HOUSEHOLD IDENTIFIER
    xALIVE              1994-2022 VITAL STATUS
    xPPN                1992-2022 SPOUSE-PARTNER PERSON NUMBER
    xSUBHH              1992-2022 SUB-HOUSEHOLD IDENTIFIER
```

Current Marital Status: Without partnership

Wave	Variable Name	Variable Label	Type
1	R1MSTATH	R1MSTATH:W1 R MarStat-w/o part,filled	Categ
2	R2MSTATH	R2MSTATH:W2 R MarStat-w/o part,filled	Categ
3	R3MSTATH	R3MSTATH:W3 R MarStat-w/o part,filled	Categ
4	R4MSTATH	R4MSTATH:W4 R MarStat-w/o part,filled	Categ
5	R5MSTATH	R5MSTATH:W5 R MarStat-w/o part,filled	Categ
6	R6MSTATH	R6MSTATH:W6 R MarStat-w/o part,filled	Categ
7	R7MSTATH	R7MSTATH:W7 R MarStat-w/o part,filled	Categ
8	R8MSTATH	R8MSTATH:W8 R MarStat-w/o part,filled	Categ
9	R9MSTATH	R9MSTATH:W9 R MarStat-w/o part,filled	Categ
10	R10MSTATH	R10MSTATH:W10 R MarStat-w/o part,filled	Categ
11	R11MSTATH	R11MSTATH:W11 R MarStat-w/o part,filled	Categ
12	R12MSTATH	R12MSTATH:W12 R MarStat-w/o part,filled	Categ
13	R13MSTATH	R13MSTATH:W13 R MarStat-w/o part,filled	Categ
14	R14MSTATH	R14MSTATH:W14 R MarStat-w/o part,filled	Categ
15	R15MSTATH	R15MSTATH:W15 R MarStat-w/o part,filled	Categ
16	R16MSTATH	R16MSTATH:W16 R MarStat-w/o part,filled	Categ
1	S1MSTATH	S1MSTATH:W1 S MarStat-w/o part,filled	Categ
2	S2MSTATH	S2MSTATH:W2 S MarStat-w/o part,filled	Categ
3	S3MSTATH	S3MSTATH:W3 S MarStat-w/o part,filled	Categ
4	S4MSTATH	S4MSTATH:W4 S MarStat-w/o part,filled	Categ
5	S5MSTATH	S5MSTATH:W5 S MarStat-w/o part,filled	Categ
6	S6MSTATH	S6MSTATH:W6 S MarStat-w/o part,filled	Categ
7	S7MSTATH	S7MSTATH:W7 S MarStat-w/o part,filled	Categ
8	S8MSTATH	S8MSTATH:W8 S MarStat-w/o part,filled	Categ
9	S9MSTATH	S9MSTATH:W9 S MarStat-w/o part,filled	Categ
10	S10MSTATH	S10MSTATH:W10 S MarStat-w/o part,filled	Categ
11	S11MSTATH	S11MSTATH:W11 S MarStat-w/o part,filled	Categ
12	S12MSTATH	S12MSTATH:W12 S MarStat-w/o part,filled	Categ
13	S13MSTATH	S13MSTATH:W13 S MarStat-w/o part,filled	Categ
14	S14MSTATH	S14MSTATH:W14 S MarStat-w/o part,filled	Categ
15	S15MSTATH	S15MSTATH:W15 S MarStat-w/o part,filled	Categ
16	S16MSTATH	S16MSTATH:W16 S MarStat-w/o part,filled	Categ
1	R1MSTATF	R1MSTATF:W1 R MStatH-Flag diff w/marhist	Categ
2	R2MSTATF	R2MSTATF:W2 R MStatH-Flag diff w/marhist	Categ
3	R3MSTATF	R3MSTATF:W3 R MStatH-Flag diff w/marhist	Categ
4	R4MSTATF	R4MSTATF:W4 R MStatH-Flag diff w/marhist	Categ
5	R5MSTATF	R5MSTATF:W5 R MStatH-Flag diff w/marhist	Categ
6	R6MSTATF	R6MSTATF:W6 R MStatH-Flag diff w/marhist	Categ
7	R7MSTATF	R7MSTATF:W7 R MStatH-Flag diff w/marhist	Categ
8	R8MSTATF	R8MSTATF:W8 R MStatH-Flag diff w/marhist	Categ
9	R9MSTATF	R9MSTATF:W9 R MStatH-Flag diff w/marhist	Categ
10	R10MSTATF	R10MSTATF:W10 R MStatH-Flag diff w/marhist	Categ
11	R11MSTATF	R11MSTATF:W11 R MStatH-Flag diff w/marhist	Categ
12	R12MSTATF	R12MSTATF:W12 R MStatH-Flag diff w/marhist	Categ
13	R13MSTATF	R13MSTATF:W13 R MStatH-Flag diff w/marhist	Categ
14	R14MSTATF	R14MSTATF:W14 R MStatH-Flag diff w/marhist	Categ
15	R15MSTATF	R15MSTATF:W15 R MStatH-Flag diff w/marhist	Categ
16	R16MSTATF	R16MSTATF:W16 R MStatH-Flag diff w/marhist	Categ
1	S1MSTATF	S1MSTATF:W1 S MStatH-Flag diff w/marhist	Categ
2	S2MSTATF	S2MSTATF:W2 S MStatH-Flag diff w/marhist	Categ
3	S3MSTATF	S3MSTATF:W3 S MStatH-Flag diff w/marhist	Categ
4	S4MSTATF	S4MSTATF:W4 S MStatH-Flag diff w/marhist	Categ
5	S5MSTATF	S5MSTATF:W5 S MStatH-Flag diff w/marhist	Categ
6	S6MSTATF	S6MSTATF:W6 S MStatH-Flag diff w/marhist	Categ
7	S7MSTATF	S7MSTATF:W7 S MStatH-Flag diff w/marhist	Categ
8	S8MSTATF	S8MSTATF:W8 S MStatH-Flag diff w/marhist	Categ
9	S9MSTATF	S9MSTATF:W9 S MStatH-Flag diff w/marhist	Categ
10	S10MSTATF	S10MSTATF:W10 S MStatH-Flag diff w/marhist	Categ
11	S11MSTATF	S11MSTATF:W11 S MStatH-Flag diff w/marhist	Categ
12	S12MSTATF	S12MSTATF:W12 S MStatH-Flag diff w/marhist	Categ
13	S13MSTATF	S13MSTATF:W13 S MStatH-Flag diff w/marhist	Categ
14	S14MSTATF	S14MSTATF:W14 S MStatH-Flag diff w/marhist	Categ
15	S15MSTATF	S15MSTATF:W15 S MStatH-Flag diff w/marhist	Categ

16	S16MSTATF	S16MSTATF:W16 S MStatH-Flag diff w/marhist	Categ
E	REMSTATH	REMSTATH:EXIT R MarStat-w/o part,filled	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1MSTATH	12652	2.08	2.16	1.0	9.0
R2MSTATH	19642	2.79	2.65	1.0	9.0
R3MSTATH	17988	2.84	2.65	1.0	9.0
R4MSTATH	21380	2.88	2.65	1.0	9.0
R5MSTATH	19578	2.96	2.68	1.0	9.0
R6MSTATH	18165	3.03	2.70	1.0	8.0
R7MSTATH	20123	2.98	2.67	1.0	8.0
R8MSTATH	18469	3.05	2.69	1.0	8.0
R9MSTATH	17217	3.13	2.71	1.0	8.0
R10MSTATH	22030	3.15	2.70	1.0	9.0
R11MSTATH	20554	3.21	2.71	1.0	9.0
R12MSTATH	18747	3.30	2.73	1.0	8.0
R13MSTATH	20905	3.35	2.74	1.0	9.0
R14MSTATH	17146	3.37	2.75	1.0	9.0
R15MSTATH	15723	3.40	2.75	1.0	8.0
R16MSTATH	15776	3.52	2.78	1.0	8.0
S1MSTATH	9900	1.21	1.13	1.0	9.0
S2MSTATH	13090	1.15	0.94	1.0	9.0
S3MSTATH	11917	1.13	0.79	1.0	9.0
S4MSTATH	13980	1.18	0.93	1.0	9.0
S5MSTATH	12730	1.19	0.94	1.0	9.0
S6MSTATH	11639	1.19	0.93	1.0	8.0
S7MSTATH	12972	1.23	1.05	1.0	8.0
S8MSTATH	11735	1.25	1.09	1.0	8.0
S9MSTATH	10646	1.26	1.11	1.0	8.0
S10MSTATH	13513	1.40	1.37	1.0	9.0
S11MSTATH	12484	1.41	1.40	1.0	9.0
S12MSTATH	11012	1.41	1.40	1.0	8.0
S13MSTATH	11779	1.48	1.53	1.0	9.0
S14MSTATH	9358	1.47	1.50	1.0	9.0
S15MSTATH	8477	1.47	1.50	1.0	8.0
S16MSTATH	7840	1.50	1.55	1.0	8.0
R1MSTATF	12652	0.00	0.00	0.0	0.0
R2MSTATF	19642	0.03	0.33	0.0	5.0
R3MSTATF	17991	0.01	0.14	0.0	5.0
R4MSTATF	21384	0.04	0.43	0.0	5.0
R5MSTATF	19578	0.06	0.53	0.0	5.0
R6MSTATF	18165	0.08	0.59	0.0	5.0
R7MSTATF	20129	0.06	0.52	0.0	5.0
R8MSTATF	18469	0.06	0.52	0.0	5.0
R9MSTATF	17217	0.07	0.54	0.0	5.0
R10MSTATF	22034	0.05	0.45	0.0	5.0
R11MSTATF	20554	0.07	0.52	0.0	5.0
R12MSTATF	18747	0.08	0.55	0.0	5.0
R13MSTATF	20912	0.06	0.51	0.0	5.0
R14MSTATF	17146	0.08	0.55	0.0	5.0
R15MSTATF	15723	0.08	0.57	0.0	5.0
R16MSTATF	15787	0.08	0.58	0.0	5.0

S1MSTATF	9900	0.00	0.00	0.0	0.0
S2MSTATF	13090	0.00	0.04	0.0	3.0
S3MSTATF	11917	0.00	0.00	0.0	0.0
S4MSTATF	13980	0.00	0.03	0.0	2.0
S5MSTATF	12730	0.00	0.04	0.0	2.0
S6MSTATF	11639	0.00	0.04	0.0	3.0
S7MSTATF	12972	0.00	0.03	0.0	2.0
S8MSTATF	11735	0.00	0.03	0.0	1.0
S9MSTATF	10646	0.00	0.04	0.0	2.0
S10MSTATF	13513	0.00	0.04	0.0	2.0
S11MSTATF	12484	0.00	0.07	0.0	2.0
S12MSTATF	11012	0.00	0.07	0.0	2.0
S13MSTATF	11779	0.00	0.07	0.0	2.0
S14MSTATF	9358	0.00	0.07	0.0	2.0
S15MSTATF	8477	0.00	0.08	0.0	3.0
S16MSTATF	7840	0.00	0.08	0.0	5.0
REMSTATH	17603	4.43	2.82	1.0	9.0

Categorical Variable Codes

RwMSTATH: R MarStat-w/o part,filled

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Missing			3	4			6			4
1.Married	9837	13148	11792	13820	12368	11243	12515	11273	10274	12772
2.Married,spouse absent	57	117	155	144	153	166	187	161	140	296
4.Separated	360	435	367	390	330	290	356	313	299	566
5.Divorced	1217	1320	1376	2009	1900	1775	2232	2082	2023	3124
6.Separated/divorced		111	70							1
7.Widowed	649	3806	3678	4317	4203	4155	4096	3996	3879	3943
8.Never married	428	627	537	691	619	536	737	644	602	1325
9.Unknown unmar	104	78	13	9	5					3

Value	w11	w12	w13	w14	w15	w16
.M=Missing			7			11
1.Married	11752	10457	11379	9277	8435	8147
2.Married,spouse absent	212	165	193	136	134	104
4.Separated	519	491	654	515	410	463
5.Divorced	2978	2742	3422	2818	2659	2795
6.Separated/divorced						1
7.Widowed	3859	3772	3603	3045	2854	2782
8.Never married	1231	1120	1652	1354	1231	1484
9.Unknown unmar	3		2	1		

SwMSTATH: S MarStat-w/o part,filled

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
1.Married	9492	12701	11484	13373	12124	11075	12219	11027	9993	12218
2.Married,spouse absent	42	22	125	125	141	152	168	152	123	256
4.Separated	46	74	63	43	38	26	32	30	20	86
5.Divorced	131	112	135	253	254	219	327	299	296	538
6.Separated/divorced		1								
7.Widowed	26	44	54	105	100	116	130	137	134	183
8.Never married	63	62	44	73	68	51	96	90	80	230
9.Unknown unmar	100	74	12	8	5					2

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	597	610	1109	1104	1044	1400
1.Married	11308	9991	10524	8396	7590	7010
2.Married,spouse absent	180	136	157	113	109	76
4.Separated	63	52	76	61	43	49
5.Divorced	530	476	559	436	427	387
6.Separated/divorced						
7.Widowed	188	166	165	139	122	111
8.Never married	212	191	297	212	186	207
9.Unknown unmar	3		1	1		

REMSTATH: EXIT R MarStat-w/o part,filled

Value	
.D=DK	25
.M=Oth missing	80
.R=RF	3
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1576
1.Married	5973
2.Married,spouse absent	1202
4.Separated	291
5.Divorced	1683
6.Separated/divorced	66
7.Widowed	7500
8.Never married	813
9.Unknown unmar	75

RwMSTATF: R MStatH-Flag diff w/marhist

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No discrepancy	12652	19497	17943	21150	19240	17799	19799	18150	16891	21715
1.MS=nev,marhis=evmar		29	23	33	52	41	49	52	61	84
2.MS=evmar,marhis=nev		20	15	36	43	43	39	40	37	37
3.MS=sep,marhis=wid/div		24		18	42	46	41	49	53	45
5.Othr dif unmarried MS		72	10	147	201	236	201	178	175	153

Value	w11	w12	w13	w14	w15	w16
0.No discrepancy	20121	18305	20501	16711	15284	15351
1.MS=nev,marhis=evmar	115	106	91	118	140	145
2.MS=evmar,marhis=nev	55	63	61	62	54	49
3.MS=sep,marhis=wid/div	72	87	80	86	76	65
5.Othr dif unmarried MS	191	186	179	169	169	177

SwMSTATF: S MStatH-Flag diff w/marhist

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No discrepancy	9900	13087	11917	13976	12719	11630	12964	11727	10631	13498
1.MS=nev,marhis=evmar				2	7	7	7	8	13	14
2.MS=evmar,marhis=nev		1		2	4	1	1		2	1
3.MS=sep,marhis=wid/div		2				1				
5.Othr dif unmarried MS										

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	597	610	1109	1104	1044	1400
0.No discrepancy	12453	10982	11751	9334	8446	7816
1.MS=nev,marhis=evmar	23	21	20	16	23	21
2.MS=evmar,marhis=nev	8	9	8	8	7	2
3.MS=sep,marhis=wid/div					1	
5.Othr dif unmarried MS						1

How Constructed

Core Interview Variables

This variable is created using current marital status reported for each wave. For Wave 3A, and from Wave 4 forward, a cleaned version of marital status is used, which fills missing marital status using cover sheet data and marital events reported between interviews.

The RwMSTAT variables code partnerships, which override actual marital status. Before Wave 4, partnered couples were not asked for their unmarried status. Beginning in Wave 4, those not living with another, and those living as unmarried partners, were asked for their unmarried status. Please see the description of RwMSTAT and RwMPART variables for details.

The RwMSTATH variables are derived from RwMSTAT but do not code partnerships, and actual marital status replaces the partnership code, if it can be determined. For instance, because partners were specifically asked actual marital status from Waves 4 forward, many partner marital statuses can be carried back to prior waves if no intervening marital events have occurred. Marital events can also indicate marital status of a partnered Respondent, e.g., a number of partners report a widowhood or divorce, followed

closely by a marriage to the partner. When the actual marital status cannot be determined RwMSTATH is set to an unknown unmarried status(=9). Marital status for partners can sometimes also be determined at their first interview from retrospective marriage history information. From Wave 7 and forward, some cases report a marital status of annulled, which is treated the same as never married.

The codes for separation and divorce are combined in Waves 2A, 3A, and 3H; a separate category is used for this ambiguous state. Information from previous and subsequent wave marital status, marital events reported, marital history, and spouse marital status are used to distinguish between separation and divorce in these waves when possible. For all waves, this variable combines "Married, spouse absent" as one category, rather than separating spouse in institution vs not. HRS Wave 1 imputations are not used at all.

The RwMSTATF variables compare RwMSTATH with marital status reported in other waves, and those derived from marital history. For instance, some cases switch between unmarried statuses across waves, e.g., from divorced to never married. RwMSTATF flags these seemingly illogical differences, distinguishing between ever married and never married discrepancies, and those of other types.

RwMSTATH may have a value when RwMSTAT is missing. The analyst may want to fill RwMSTAT from RwMSTATH in these cases.

The spouse variable SwMSTATH is taken from the spouse's data for Wave 'w.' It is set to .U if the Respondent is unmarried or unpartnered or .V if the Respondent's spouse or partner did not respond in a given wave.

Exit Interview Variables

REMSTATH indicates a Respondent's marital status without partnership at the time of death. It is constructed using the marital status reported in the Exit Interview (see REMSTAT). The marital status partnership code is replaced by an unmarried marital code. Wave 2H and 3 utilize cover sheet data, preload and previous interview marital codes. In all other waves, unmarried marital status and cover sheet data are utilized to determine the unmarried status for partnership. If the marital status of a partnered couple cannot be determined, then REMSTATH is set to unknown unmarried status(=9).

The marital status codes follow the same categories as the Core Interview measure RwMSTATH: married, married (spouse absent), separated, divorced, widowed, and never married, and separated/divorced. Separated/divorced is a combined single code used only in Wave 3. However, separated categories for divorced and separated are used in all other waves. REMSTATH codes married and spouse absent as one category, rather than separating spouse in institution vs. not in institution.

From Wave 7 forward, some cases report a marital status of annulled which is treated as "never married".

Core and Exit Differences

The Core interview measure RwMSTATH uses questions asked of the Respondent as well as questions asked of the spouse and/or partner. The Exit Interview marital status without partnership is constructed using only the proxy's response for the Respondent. For Exit Interview Wave 2H and 3 cover sheet data, preload and previous interview marital codes for unmarrieds are utilized, and all other Exit Interview Waves, unmarried marital status and cover sheet data are used to determine the unmarried status for partnership.

Cross Wave Differences in Original HRS Data

Core Interview Variables

The asking and coding of marital status differs from wave to wave. In Waves 1 and 2H Respondents are specifically asked their marital status as married, partnered, separated, divorced, widowed or never married. The marital status in the public use data also includes a "Married, spouse absent" status that is split between those whose spouse is in a nursing home and those whose spouse is not institutionalized. In Wave 2A, a single item is used to assess marital status. Response categories include married (spouse present),

married (spouse absent), living with someone, separated/divorced, widowed, and never married. The separated and divorced categories are not coded separately.

In Wave 3H, the Respondent is not asked marital status; it is derived from preloaded marital status and a series of questions in the cover sheet section. There is a "corrected" marital status included in the Wave 3H public use data. In addition, the separated and divorced statuses are not coded separately. In Waves 1, 2, and 3H, partnership overrides any other marital status. Marital status in Wave 3A is also derived using questions from the cover sheet section. The separated and divorced statuses are in a single category, and partnership overrides any other marital status.

Beginning in Wave 4, all partnered and unmarried single Respondents are asked marital status. Through Wave 6, the status must be an unmarried status, treating separated as an unmarried category apart from divorced. Beginning in Wave 7, married or annulled may be coded, in addition to the unmarried statuses.

Marital status in the raw data is set to married or separated for Respondents determined to have these statuses from the cover sheet section questions. There is no distinction made between spouse present and spouse absent in the raw marital status variable, but this information is available from other questions in the cover sheet section.

The cover sheet section sequence of questions that lead to a marital status and determination of "coupleness," are included in the data starting in Wave 3. These questions are examined to help set the cleaned marital status used to derive RwMSTAT.

Respondents who have an unmarried to married transition between interviews, or vice versa, are asked about marriages and ends of marriages (divorce or widowhood) that may have occurred between interviews at all waves after the initial interview in which a Respondent appears.

From Wave 4 forward, some partners appear to have married based on these reported marital transitions. These cases often report "other" in response to the question about specific unmarried status; note that "married" is not allowed in response to this question. Cases with both a reported marital event and a report of "other" marital status are set to married in the cleaned versions of marital status used in deriving RwMSTAT.

Marriage history is asked of individuals at the first interview to which they respond. The questions generally proceed from current marital status and ask number of marriages, the date the first and most recent marriage began, and either the length or end date of those marriages. For previous marriages, questions ask how it ended. In Wave 1, partnered Respondents are asked the timing of their most recent marriage, but not how it ended. For Wave 2A, partnered Respondents who report being previously married are asked how the marriage ended, and the number of years they were married. For new Respondents in Wave 2H the most recent marriage is only asked about if it is also the first. From Wave 3 forward, new Respondents are asked how the most recent marriage ended if they were ever married.

Exit Interview Variables

In Wave 2H, the Proxy is asked about the Respondent's marital status as married, partnered, separated, divorced, widowed, or never married. The marital status includes a married (spouse absent) status that is split between those whose spouse is in a nursing home and those whose spouse is not institutionalized. These are combined into one category which is married, spouse absent.

In Wave 3H, the Respondent is not asked marital status; it is derived from the preloaded marital status and questions from the cover sheet section. The separated and divorced statuses are coded as a single category. Marital status in Wave 3A is also derived using questions from the cover sheet section, and there is a distinction for married spouse present and married spouse absent. In Waves 2H and 3, unmarried codes for partners are determined by cover sheet, preload and previous interview data.

From Wave 4 forward, all partnered and unmarried single Respondents are asked marital status. Through Wave 6, the status must be an unmarried status, treating separated as an unmarried category apart from divorced. Beginning in Wave 7, married or annulled may be coded, in addition to the unmarried statuses. Marital status in the raw data is set to married or separated for Respondents utilizing cover sheet section questions. There is no distinction made between spouse present and spouse absent in the raw marital status variable, but this information is available from other questions in the cover sheet section.

From Wave 7 forward some cases report a marital status as annulled, which is treated as never married.

HRS Variables Used

Core Interview Variables

```
HRS 1992:
    V10225          A10:CURRENT MAR STAT:IND
    V225            A10:CURRENT MARR STA:IMP
    V228            A10B:EVER BEEN MARRIED
    V232            A10E:LAST MARR END-MO
    V233            A10E:LAST MARR END-YEAR
AHEAD 1993:
    B150            A11. R'S MARITAL STATUS
    B158            A11c. LIVE TGHR: EVER MARRIED
    B160            A11e. LIVE TGHR: DIVORCED OR WIDOWED
    B166            A13. # OF MARRIAGES EVER
HRS 1994:
    W200            A1. Marital Status
    W207            A6. Ever Been Married?
    W208            A7. Number of Times Married
    W210            A9. Marriage End Divorce/Widow
AHEAD 1995:
    D676            A21.L-EVER MARRIED
    D677            A21A.# MARRIAGES
    D680            A22B.FIRST MAR-END DIV/WID
    D684            A23B.RECENT MAR-END DIV/WID
    DMSTATR         HRS 95: Marital Status (w/ partnered)
HRS 1996:
    E256A           MARRIAGE STATUS - CORRECTED
    E676            A21.L-EVER MARRIED
    E677            A21A.# MARRIAGES
    E680            A22B.FIRST MAR-END DIV/WID
    E684            A23B.RECENT MAR-END DIV/WID
HRS 1998:
    F1059           A40.POST W1 MARRIAGE START
    F1066           A41.POST W1 DIV/WIDOWED
    F1070           A43.MARITAL STATUS IF UNMARRIED
    F1071           A43A.MARITAL STATUS, ASSIGNED
    F1072           A44.# MARRIAGES
    F1075           A45B.FIRST MAR-END DIV/WID
    F1087           A48B.RECENT MAR-END DIV/WID
    F461            PRELOAD COHORT
    F462            PRELOAD MARITAL STATUS
    F475            WHICH IW 1ST R/2ND R
    F502            CS4.1ST R SAME SPOUSE/P
    F504            CS5.PRELOAD SPOUSE/P ALIVE
    F507            CS7.1ST R MARRIED
    F508            CS8.COUPLE PARTNER
    F517            CS11.R IN NURSING HOME
    F521            CS12.COUPLE LIVE TOGETHER
    F524            CS14.SP/P WHERE LIVE
    F528            CS15A.MARRIED OR SEPARATED
    F529            CS15B.SEPARATED:PARTNERED?
    F546            CS15D.CURRENT COUPLENESS
    FMARST          HRS 98: Marital Status (w/o partnered)
    FMARSTP         HRS 98: Marital Status (w/ partnered)
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HRS 2000:
    G1146           A40.POST W1 MARRIAGE START
    G1153           A41.POST W1 DIV/WIDOWED
    G1158           A43A.MARITAL STATUS_ASSIGNED
    G1159           A44.# MARRIAGES
    G1162           A45B.FIRST MAR-END DIV/WID
    G1174           A48B.RECENT MAR-END DIV/WID
    G482            CS0Y9.PRELOAD ENTRY COHORT
    G506            CS0Y21.WHICH IW 1ST R/2ND R
    G543            CS4.1ST R SAME SPOUSE/P
    G545            CS5.PRELOAD SPOUSE/P ALIVE
    G548            CS7.1ST R MARRIED
    G549            CS8.COUPLE PARTNER
    G558            CS11.R IN NURSING HOME
    G562            CS12.COUPLE LIVE TOGETHER
    G569            CS15A.MARRIED OR SEPARATED
    G570            CS15B.SEPARATED:PARTNERED?
    G597            CS15D.CURRENT COUPLENESS
    GMARST          HRS 00: Marital Status (w/o partnered)
    GMARSTP         HRS 00: Marital Status (w/ partnered)
HRS 2002:
    HMARITAL        MARITAL STATUS
HRS 2002-2022:
    xA020           1ST R SAME SP/P
    xA023           PREVIOUS WAVE SP/P ALIVE
    xA026           R MARRIED
    xA027           LIVING W/P
    xA028           R IN NURSING HOME
    xA030           COUPLE LIVE TOGETHER
    xA033           SP/P IN NURSHOME
    xA034           MARRIED OR SEPARATED
    xA035           SEPARATED/PARTNERED
    xB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    xB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    xB061           MARITAL STATUS IF UNMARRIED
    xB065           NUMBER OF MARRIAGES
    xB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    xX065_R         COUPLENESS STATUS - UPDATED
    xZ023           WHICH COHORT
HRS 2004-2022:
    xB063           MARITAL STATUS ASSIGNED
    xSUBHH          2004 SUB-HOUSEHOLD IDENTIFIER
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Exit Interview Variables

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AHEAD 1995:
    N204            PRELOAD MAR STAT
    N245            CS8x.W1 COUPLE PARTNER
    N248            CS10x.W1 ONLY NEW PARTNER
    N250            CS12.COUPLE LIVE TOGETHER
    N674            A21.R MARITAL STATUS
HRS 1996:
    P204            PRELOAD MAR STAT
    P245            CS8x.W1 COUPLE PARTNER
    P248            CS10x.W1 ONLY NEW PARTNER
    P250            CS12.COUPLE LIVE TOGETHER
    P692            A21.R MARITAL
HRS 1998:
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    Q1071           A43a.MARITAL STATUS, ASSIGNED
    Q506            CS5x.PRELOAD SPOUSE/P ALIVE
    Q509            CS7x.1ST R MARRIED
    Q510            CS8x.COUPLE PARTNER
    Q523            CS12.COUPLE LIVE TOGETHER
    Q530            CS15A.MARRIED OR SEPARATED
    Q531            CS15B.SEPARATED:PARTNERED?
    Q548            CS15D.CURRENT COUPLENESS
HRS 2000:
    R1134           A43a.MARITAL STATUS ASSIGNED
    R483            CS0Y9a.PRELOAD MARITAL STATUS
    R545            CS5x.PRELOAD SPOUSE/P ALIVE
    R548            CS7x.1ST R MARRIED
    R549            CS8x.COUPLE PARTNER
    R562            CS12.COUPLE LIVE TOGETHER
    R569            CS15A.MARRIED OR SEPARATED
    R570            CS15B.SEPARATED:PARTNERED?
    R597            CS15D.CURRENT COUPLENESS
HRS 2002:
    SA020           1ST R SAME SP/P
    SA023           PREVIOUS WAVE SP/P ALIVE
    SA026           R MARRIED
    SA034           MARRIED OR SEPARATED
    SA038           CURRENT COUPLENESS
HRS 2002-2022:
    xA030           COUPLE LIVE TOGETHER
    xB061           MARITAL STATUS IF UNMARRIED
    xX065_R         COUPLENESS STATUS R - UPDATED
HRS 2004-2022:
    xA027           LIVING W/P
    xB063           MARITAL STATUS ASSIGNED
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Tracker Variables

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Tracker:
    HHID                HOUSEHOLD IDENTIFIER
    xSUBHH              1992-2022 SUB-HOUSEHOLD IDENTIFIER
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Marital History

Wave	Variable Name	Variable Label	Type
1	R1MRCT	R1MRCT:W1 R # marriages	Categ
2	R2MRCT	R2MRCT:W2 R # marriages	Categ
3	R3MRCT	R3MRCT:W3 R # marriages	Categ
4	R4MRCT	R4MRCT:W4 R # marriages	Categ
5	R5MRCT	R5MRCT:W5 R # marriages	Categ
6	R6MRCT	R6MRCT:W6 R # marriages	Categ
7	R7MRCT	R7MRCT:W7 R # marriages	Categ
8	R8MRCT	R8MRCT:W8 R # marriages	Categ
9	R9MRCT	R9MRCT:W9 R # marriages	Categ
10	R10MRCT	R10MRCT:W10 R # marriages	Categ
11	R11MRCT	R11MRCT:W11 R # marriages	Categ
12	R12MRCT	R12MRCT:W12 R # marriages	Categ
13	R13MRCT	R13MRCT:W13 R # marriages	Categ
14	R14MRCT	R14MRCT:W14 R # marriages	Categ
15	R15MRCT	R15MRCT:W15 R # marriages	Categ
16	R16MRCT	R16MRCT:W16 R # marriages	Categ
1	S1MRCT	S1MRCT:W1 S # marriages	Categ
2	S2MRCT	S2MRCT:W2 S # marriages	Categ
3	S3MRCT	S3MRCT:W3 S # marriages	Categ
4	S4MRCT	S4MRCT:W4 S # marriages	Categ
5	S5MRCT	S5MRCT:W5 S # marriages	Categ
6	S6MRCT	S6MRCT:W6 S # marriages	Categ
7	S7MRCT	S7MRCT:W7 S # marriages	Categ
8	S8MRCT	S8MRCT:W8 S # marriages	Categ
9	S9MRCT	S9MRCT:W9 S # marriages	Categ
10	S10MRCT	S10MRCT:W10 S # marriages	Categ
11	S11MRCT	S11MRCT:W11 S # marriages	Categ
12	S12MRCT	S12MRCT:W12 S # marriages	Categ
13	S13MRCT	S13MRCT:W13 S # marriages	Categ
14	S14MRCT	S14MRCT:W14 S # marriages	Categ
15	S15MRCT	S15MRCT:W15 S # marriages	Categ
16	S16MRCT	S16MRCT:W16 S # marriages	Categ
1	R1MNEV	R1MNEV:W1 R never married	Categ
2	R2MNEV	R2MNEV:W2 R never married	Categ
3	R3MNEV	R3MNEV:W3 R never married	Categ
4	R4MNEV	R4MNEV:W4 R never married	Categ
5	R5MNEV	R5MNEV:W5 R never married	Categ
6	R6MNEV	R6MNEV:W6 R never married	Categ
7	R7MNEV	R7MNEV:W7 R never married	Categ
8	R8MNEV	R8MNEV:W8 R never married	Categ
9	R9MNEV	R9MNEV:W9 R never married	Categ
10	R10MNEV	R10MNEV:W10 R never married	Categ
11	R11MNEV	R11MNEV:W11 R never married	Categ
12	R12MNEV	R12MNEV:W12 R never married	Categ
13	R13MNEV	R13MNEV:W13 R never married	Categ
14	R14MNEV	R14MNEV:W14 R never married	Categ
15	R15MNEV	R15MNEV:W15 R never married	Categ
16	R16MNEV	R16MNEV:W16 R never married	Categ
1	S1MNEV	S1MNEV:W1 S never married	Categ
2	S2MNEV	S2MNEV:W2 S never married	Categ
3	S3MNEV	S3MNEV:W3 S never married	Categ
4	S4MNEV	S4MNEV:W4 S never married	Categ
5	S5MNEV	S5MNEV:W5 S never married	Categ
6	S6MNEV	S6MNEV:W6 S never married	Categ
7	S7MNEV	S7MNEV:W7 S never married	Categ
8	S8MNEV	S8MNEV:W8 S never married	Categ
9	S9MNEV	S9MNEV:W9 S never married	Categ
10	S10MNEV	S10MNEV:W10 S never married	Categ
11	S11MNEV	S11MNEV:W11 S never married	Categ
12	S12MNEV	S12MNEV:W12 S never married	Categ
13	S13MNEV	S13MNEV:W13 S never married	Categ
14	S14MNEV	S14MNEV:W14 S never married	Categ
15	S15MNEV	S15MNEV:W15 S never married	Categ

16	S16MNEV	S16MNEV:W16 S never married	Categ
1	R1MDIV	R1MDIV:W1 R # times divorced	Categ
2	R2MDIV	R2MDIV:W2 R # times divorced	Categ
3	R3MDIV	R3MDIV:W3 R # times divorced	Categ
4	R4MDIV	R4MDIV:W4 R # times divorced	Categ
5	R5MDIV	R5MDIV:W5 R # times divorced	Categ
6	R6MDIV	R6MDIV:W6 R # times divorced	Categ
7	R7MDIV	R7MDIV:W7 R # times divorced	Categ
8	R8MDIV	R8MDIV:W8 R # times divorced	Categ
9	R9MDIV	R9MDIV:W9 R # times divorced	Categ
10	R10MDIV	R10MDIV:W10 R # times divorced	Categ
11	R11MDIV	R11MDIV:W11 R # times divorced	Categ
12	R12MDIV	R12MDIV:W12 R # times divorced	Categ
13	R13MDIV	R13MDIV:W13 R # times divorced	Categ
14	R14MDIV	R14MDIV:W14 R # times divorced	Categ
15	R15MDIV	R15MDIV:W15 R # times divorced	Categ
16	R16MDIV	R16MDIV:W16 R # times divorced	Categ
1	S1MDIV	S1MDIV:W1 S # times divorced	Categ
2	S2MDIV	S2MDIV:W2 S # times divorced	Categ
3	S3MDIV	S3MDIV:W3 S # times divorced	Categ
4	S4MDIV	S4MDIV:W4 S # times divorced	Categ
5	S5MDIV	S5MDIV:W5 S # times divorced	Categ
6	S6MDIV	S6MDIV:W6 S # times divorced	Categ
7	S7MDIV	S7MDIV:W7 S # times divorced	Categ
8	S8MDIV	S8MDIV:W8 S # times divorced	Categ
9	S9MDIV	S9MDIV:W9 S # times divorced	Categ
10	S10MDIV	S10MDIV:W10 S # times divorced	Categ
11	S11MDIV	S11MDIV:W11 S # times divorced	Categ
12	S12MDIV	S12MDIV:W12 S # times divorced	Categ
13	S13MDIV	S13MDIV:W13 S # times divorced	Categ
14	S14MDIV	S14MDIV:W14 S # times divorced	Categ
15	S15MDIV	S15MDIV:W15 S # times divorced	Categ
16	S16MDIV	S16MDIV:W16 S # times divorced	Categ
1	R1MWID	R1MWID:W1 R # times widowed	Categ
2	R2MWID	R2MWID:W2 R # times widowed	Categ
3	R3MWID	R3MWID:W3 R # times widowed	Categ
4	R4MWID	R4MWID:W4 R # times widowed	Categ
5	R5MWID	R5MWID:W5 R # times widowed	Categ
6	R6MWID	R6MWID:W6 R # times widowed	Categ
7	R7MWID	R7MWID:W7 R # times widowed	Categ
8	R8MWID	R8MWID:W8 R # times widowed	Categ
9	R9MWID	R9MWID:W9 R # times widowed	Categ
10	R10MWID	R10MWID:W10 R # times widowed	Categ
11	R11MWID	R11MWID:W11 R # times widowed	Categ
12	R12MWID	R12MWID:W12 R # times widowed	Categ
13	R13MWID	R13MWID:W13 R # times widowed	Categ
14	R14MWID	R14MWID:W14 R # times widowed	Categ
15	R15MWID	R15MWID:W15 R # times widowed	Categ
16	R16MWID	R16MWID:W16 R # times widowed	Categ
1	S1MWID	S1MWID:W1 S # times widowed	Categ
2	S2MWID	S2MWID:W2 S # times widowed	Categ
3	S3MWID	S3MWID:W3 S # times widowed	Categ
4	S4MWID	S4MWID:W4 S # times widowed	Categ
5	S5MWID	S5MWID:W5 S # times widowed	Categ
6	S6MWID	S6MWID:W6 S # times widowed	Categ
7	S7MWID	S7MWID:W7 S # times widowed	Categ
8	S8MWID	S8MWID:W8 S # times widowed	Categ
9	S9MWID	S9MWID:W9 S # times widowed	Categ
10	S10MWID	S10MWID:W10 S # times widowed	Categ
11	S11MWID	S11MWID:W11 S # times widowed	Categ
12	S12MWID	S12MWID:W12 S # times widowed	Categ
13	S13MWID	S13MWID:W13 S # times widowed	Categ
14	S14MWID	S14MWID:W14 S # times widowed	Categ
15	S15MWID	S15MWID:W15 S # times widowed	Categ
16	S16MWID	S16MWID:W16 S # times widowed	Categ
1	R1MEND	R1MEND:W1 R # times unknown end marriage	Categ
2	R2MEND	R2MEND:W2 R # times unknown end marriage	Categ

3	R3MEND	R3MEND:W3 R # times unknown end marriage	Categ
4	R4MEND	R4MEND:W4 R # times unknown end marriage	Categ
5	R5MEND	R5MEND:W5 R # times unknown end marriage	Categ
6	R6MEND	R6MEND:W6 R # times unknown end marriage	Categ
7	R7MEND	R7MEND:W7 R # times unknown end marriage	Categ
8	R8MEND	R8MEND:W8 R # times unknown end marriage	Categ
9	R9MEND	R9MEND:W9 R # times unknown end marriage	Categ
10	R10MEND	R10MEND:W10 R # times unknown end marriage	Categ
11	R11MEND	R11MEND:W11 R # times unknown end marriage	Categ
12	R12MEND	R12MEND:W12 R # times unknown end marriage	Categ
13	R13MEND	R13MEND:W13 R # times unknown end marriage	Categ
14	R14MEND	R14MEND:W14 R # times unknown end marriage	Categ
15	R15MEND	R15MEND:W15 R # times unknown end marriage	Categ
16	R16MEND	R16MEND:W16 R # times unknown end marriage	Categ
1	S1MEND	S1MEND:W1 S # times unknown end marriage	Categ
2	S2MEND	S2MEND:W2 S # times unknown end marriage	Categ
3	S3MEND	S3MEND:W3 S # times unknown end marriage	Categ
4	S4MEND	S4MEND:W4 S # times unknown end marriage	Categ
5	S5MEND	S5MEND:W5 S # times unknown end marriage	Categ
6	S6MEND	S6MEND:W6 S # times unknown end marriage	Categ
7	S7MEND	S7MEND:W7 S # times unknown end marriage	Categ
8	S8MEND	S8MEND:W8 S # times unknown end marriage	Categ
9	S9MEND	S9MEND:W9 S # times unknown end marriage	Categ
10	S10MEND	S10MEND:W10 S # times unknown end marriage	Categ
11	S11MEND	S11MEND:W11 S # times unknown end marriage	Categ
12	S12MEND	S12MEND:W12 S # times unknown end marriage	Categ
13	S13MEND	S13MEND:W13 S # times unknown end marriage	Categ
14	S14MEND	S14MEND:W14 S # times unknown end marriage	Categ
15	S15MEND	S15MEND:W15 S # times unknown end marriage	Categ
16	S16MEND	S16MEND:W16 S # times unknown end marriage	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1MRCT	12614	1.33	0.71	0.0	13.0
R2MRCT	19574	1.30	0.68	0.0	13.0
R3MRCT	17931	1.31	0.68	0.0	13.0
R4MRCT	21323	1.32	0.69	0.0	13.0
R5MRCT	19519	1.33	0.70	0.0	13.0
R6MRCT	18107	1.34	0.71	0.0	8.0
R7MRCT	20066	1.36	0.73	0.0	8.0
R8MRCT	18409	1.37	0.75	0.0	8.0
R9MRCT	17159	1.39	0.76	0.0	8.0
R10MRCT	21955	1.36	0.78	0.0	8.0
R11MRCT	20491	1.38	0.79	0.0	8.0
R12MRCT	18687	1.39	0.80	0.0	8.0
R13MRCT	20834	1.36	0.81	0.0	8.0
R14MRCT	17084	1.37	0.82	0.0	8.0
R15MRCT	15665	1.38	0.82	0.0	7.0
R16MRCT	15734	1.36	0.83	0.0	7.0
S1MRCT	9885	1.36	0.67	0.0	8.0
S2MRCT	13043	1.33	0.64	0.0	8.0
S3MRCT	11878	1.34	0.64	0.0	7.0
S4MRCT	13944	1.35	0.66	0.0	8.0
S5MRCT	12695	1.36	0.67	0.0	8.0
S6MRCT	11601	1.39	0.70	0.0	8.0
S7MRCT	12931	1.40	0.72	0.0	8.0
S8MRCT	11698	1.42	0.73	0.0	8.0
S9MRCT	10618	1.43	0.74	0.0	8.0

S10MRCT	13469	1.43	0.74	0.0	8.0
S11MRCT	12449	1.44	0.75	0.0	7.0
S12MRCT	10977	1.45	0.76	0.0	7.0
S13MRCT	11741	1.43	0.77	0.0	7.0
S14MRCT	9323	1.45	0.77	0.0	7.0
S15MRCT	8447	1.45	0.77	0.0	7.0
S16MRCT	7816	1.45	0.77	0.0	5.0
R1MNEV	12652	0.03	0.18	0.0	1.0
R2MNEV	19642	0.03	0.17	0.0	1.0
R3MNEV	17991	0.03	0.17	0.0	1.0
R4MNEV	21381	0.03	0.18	0.0	1.0
R5MNEV	19576	0.03	0.17	0.0	1.0
R6MNEV	18164	0.03	0.17	0.0	1.0
R7MNEV	20127	0.04	0.19	0.0	1.0
R8MNEV	18467	0.03	0.18	0.0	1.0
R9MNEV	17216	0.03	0.18	0.0	1.0
R10MNEV	22032	0.06	0.23	0.0	1.0
R11MNEV	20553	0.06	0.23	0.0	1.0
R12MNEV	18746	0.06	0.23	0.0	1.0
R13MNEV	20910	0.08	0.27	0.0	1.0
R14MNEV	17145	0.07	0.26	0.0	1.0
R15MNEV	15721	0.07	0.26	0.0	1.0
R16MNEV	15786	0.09	0.28	0.0	1.0
S1MNEV	9900	0.01	0.08	0.0	1.0
S2MNEV	13090	0.00	0.07	0.0	1.0
S3MNEV	11917	0.00	0.06	0.0	1.0
S4MNEV	13980	0.01	0.07	0.0	1.0
S5MNEV	12730	0.01	0.07	0.0	1.0
S6MNEV	11639	0.00	0.06	0.0	1.0
S7MNEV	12972	0.01	0.08	0.0	1.0
S8MNEV	11735	0.01	0.08	0.0	1.0
S9MNEV	10646	0.01	0.08	0.0	1.0
S10MNEV	13513	0.02	0.13	0.0	1.0
S11MNEV	12484	0.02	0.12	0.0	1.0
S12MNEV	11012	0.02	0.13	0.0	1.0
S13MNEV	11779	0.02	0.15	0.0	1.0
S14MNEV	9358	0.02	0.14	0.0	1.0
S15MNEV	8477	0.02	0.14	0.0	1.0
S16MNEV	7840	0.02	0.15	0.0	1.0
R1MDIV	12652	0.40	0.66	0.0	4.0
R2MDIV	19642	0.25	0.56	0.0	4.0
R3MDIV	17991	0.27	0.58	0.0	5.0
R4MDIV	21384	0.31	0.62	0.0	5.0
R5MDIV	19578	0.33	0.63	0.0	5.0
R6MDIV	18165	0.35	0.65	0.0	5.0
R7MDIV	20129	0.40	0.69	0.0	5.0
R8MDIV	18469	0.41	0.70	0.0	5.0
R9MDIV	17217	0.44	0.72	0.0	5.0
R10MDIV	22034	0.49	0.75	0.0	5.0
R11MDIV	20554	0.51	0.76	0.0	6.0
R12MDIV	18747	0.52	0.78	0.0	6.0
R13MDIV	20912	0.54	0.78	0.0	6.0
R14MDIV	17146	0.55	0.78	0.0	6.0
R15MDIV	15723	0.57	0.79	0.0	5.0
R16MDIV	15787	0.58	0.79	0.0	5.0

S1MDIV	9900	0.32	0.60	0.0	4.0
S2MDIV	13090	0.21	0.51	0.0	3.0
S3MDIV	11917	0.23	0.52	0.0	4.0
S4MDIV	13980	0.26	0.56	0.0	5.0
S5MDIV	12730	0.27	0.57	0.0	5.0
S6MDIV	11639	0.29	0.59	0.0	5.0
S7MDIV	12972	0.34	0.63	0.0	5.0
S8MDIV	11735	0.35	0.65	0.0	5.0
S9MDIV	10646	0.37	0.67	0.0	5.0
S10MDIV	13513	0.41	0.69	0.0	5.0
S11MDIV	12484	0.43	0.70	0.0	5.0
S12MDIV	11012	0.44	0.71	0.0	5.0
S13MDIV	11779	0.44	0.72	0.0	5.0
S14MDIV	9358	0.45	0.73	0.0	5.0
S15MDIV	8477	0.46	0.72	0.0	5.0
S16MDIV	7840	0.47	0.73	0.0	5.0
R1MWID	12652	0.09	0.30	0.0	3.0
R2MWID	19642	0.22	0.42	0.0	3.0
R3MWID	17991	0.23	0.43	0.0	3.0
R4MWID	21384	0.24	0.44	0.0	3.0
R5MWID	19578	0.25	0.45	0.0	3.0
R6MWID	18165	0.27	0.46	0.0	3.0
R7MWID	20129	0.25	0.45	0.0	3.0
R8MWID	18469	0.26	0.47	0.0	3.0
R9MWID	17217	0.28	0.48	0.0	3.0
R10MWID	22034	0.22	0.44	0.0	3.0
R11MWID	20554	0.23	0.45	0.0	4.0
R12MWID	18747	0.25	0.47	0.0	4.0
R13MWID	20912	0.21	0.44	0.0	3.0
R14MWID	17146	0.22	0.45	0.0	3.0
R15MWID	15723	0.22	0.45	0.0	3.0
R16MWID	15787	0.21	0.44	0.0	3.0
S1MWID	9900	0.05	0.22	0.0	3.0
S2MWID	13090	0.03	0.18	0.0	2.0
S3MWID	11917	0.04	0.20	0.0	2.0
S4MWID	13980	0.05	0.22	0.0	3.0
S5MWID	12730	0.05	0.23	0.0	2.0
S6MWID	11639	0.06	0.26	0.0	3.0
S7MWID	12972	0.06	0.25	0.0	3.0
S8MWID	11735	0.07	0.27	0.0	3.0
S9MWID	10646	0.07	0.28	0.0	3.0
S10MWID	13513	0.06	0.26	0.0	3.0
S11MWID	12484	0.07	0.27	0.0	3.0
S12MWID	11012	0.07	0.26	0.0	3.0
S13MWID	11779	0.06	0.25	0.0	3.0
S14MWID	9358	0.06	0.26	0.0	3.0
S15MWID	8477	0.06	0.25	0.0	2.0
S16MWID	7840	0.06	0.25	0.0	3.0
R1MEND	12614	0.02	0.20	0.0	10.0
R2MEND	19574	0.13	0.42	0.0	10.0
R3MEND	17931	0.12	0.40	0.0	10.0
R4MEND	21323	0.09	0.36	0.0	10.0
R5MEND	19519	0.09	0.35	0.0	10.0
R6MEND	18107	0.08	0.32	0.0	5.0
R7MEND	20066	0.06	0.29	0.0	5.0
R8MEND	18409	0.06	0.28	0.0	5.0

R9MEND	17159	0.05	0.27	0.0	5.0
R10MEND	21955	0.03	0.21	0.0	5.0
R11MEND	20491	0.03	0.21	0.0	5.0
R12MEND	18687	0.03	0.20	0.0	5.0
R13MEND	20834	0.02	0.17	0.0	5.0
R14MEND	17084	0.02	0.17	0.0	4.0
R15MEND	15665	0.02	0.16	0.0	3.0
R16MEND	15734	0.02	0.15	0.0	3.0
S1MEND	9885	0.02	0.18	0.0	6.0
S2MEND	13043	0.11	0.38	0.0	6.0
S3MEND	11878	0.10	0.36	0.0	6.0
S4MEND	13944	0.07	0.31	0.0	4.0
S5MEND	12695	0.07	0.29	0.0	3.0
S6MEND	11601	0.06	0.28	0.0	4.0
S7MEND	12931	0.05	0.25	0.0	5.0
S8MEND	11698	0.04	0.23	0.0	4.0
S9MEND	10618	0.04	0.22	0.0	4.0
S10MEND	13469	0.02	0.17	0.0	4.0
S11MEND	12449	0.02	0.16	0.0	4.0
S12MEND	10977	0.02	0.16	0.0	4.0
S13MEND	11741	0.02	0.14	0.0	4.0
S14MEND	9323	0.02	0.14	0.0	4.0
S15MEND	8447	0.01	0.13	0.0	3.0
S16MEND	7816	0.01	0.13	0.0	2.0

Categorical Variable Codes

RwMRCT: R # marriages

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK				1	2	2	3	3	2	3
.J=Web interview, missing										
.M=Missing	5	16	12	13	11	11	17	17	17	35
.R=RF	33	52	48	47	46	45	43	40	39	41
0	428	617	527	691	605	534	722	625	569	1270
1	8638	13809	12579	14821	13501	12386	13324	12162	11200	13771
2	2814	4106	3822	4539	4205	4006	4587	4205	4003	5100
3	567	811	786	1003	946	903	1088	1074	1049	1408
4	112	181	171	222	213	224	287	289	284	355
5	42	37	32	33	37	43	45	41	41	40
6	8	8	9	7	8	6	7	7	7	7
7	3	3	4	4	2	3	4	4	4	3
8	1	1		2	1	2	2	2	2	1
13	1	1	1	1	1					

Value	w11	w12	w13	w14	w15	w16
.D=DK	2	2	2	2	1	3
.J=Web interview, missing					2	2
.M=Missing	31	30	44	37	35	33
.R=RF	30	28	32	23	20	15
0	1166	1060	1603	1277	1127	1370
1	12708	11478	12533	10188	9264	9169
2	4826	4437	4846	4090	3810	3750
3	1390	1329	1437	1171	1132	1125
4	352	327	358	314	292	283
5	36	43	46	33	32	30

6	9	9	8	9	7	6
7	3	3	2	1	1	1
8	1	1	1	1		
13						

SwMRCT: S # marriages

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK				1	2	2	2	2	2	1
.J=Web interview, missing										
.M=Missing		6	5	4	4	4	10	9	3	18
.R=RF	15	41	34	31	29	32	29	26	23	25
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0	63	63	44	73	65	45	90	80	69	217
1	6992	9477	8584	10004	9026	8098	8823	7922	7068	8735
2	2246	2795	2581	3015	2781	2642	3039	2740	2565	3326
3	451	560	526	671	644	618	734	711	683	927
4	91	114	112	147	146	160	203	207	197	236
5	34	26	25	26	26	30	32	29	29	22
6	5	5	4	4	4	3	4	4	3	3
7	2	2	2	2	2	3	4	3	3	2
8	1	1		2	1	2	2	2	1	1

Value	w11	w12	w13	w14	w15	w16
.D=DK	1	1	1	1	1	3
.J=Web interview, missing				1	1	1
.M=Missing	15	15	20	20	17	14
.R=RF	19	19	17	13	11	6
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	597	610	1109	1104	1044	1400
0	197	177	283	201	170	187
1	8010	7027	7475	5876	5306	4870
2	3088	2704	2863	2342	2144	1983
3	904	840	878	693	649	601
4	222	199	210	185	156	158
5	22	24	27	23	20	17
6	5	5	4	2	1	
7	1	1	1	1	1	
8						

RwMNEV: R never married

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=No mars,likely nev mar				3	2	1	2	2	1	2
0.Ever married	12224	19025	17464	20690	18971	17630	19405	17842	16647	20762
1.Never married	428	617	527	691	605	534	722	625	569	1270

Value	w11	w12	w13	w14	w15	w16
.N=No mars,likely nev mar	1	1	2	1	2	1
0.Ever married	19387	17686	19307	15868	14594	14416
1.Never married	1166	1060	1603	1277	1127	1370

SwMNEV: S never married

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.Ever married	9837	13027	11873	13907	12665	11594	12882	11655	10577	13296
1.Never married	63	63	44	73	65	45	90	80	69	217

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	597	610	1109	1104	1044	1400
0.Ever married	12287	10835	11496	9157	8307	7653
1.Never married	197	177	283	201	170	187

RwMDIV: R # times divorced

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0	8688	15756	14180	16148	14582	13282	14033	12710	11627	14087
1	3107	3058	3000	4061	3871	3736	4540	4240	4065	5734
2	672	644	634	927	891	909	1224	1187	1193	1733
3	167	161	157	217	200	203	291	291	285	415
4	18	23	17	28	31	32	38	38	44	62
5			3	3	3	3	3	3	3	3
6										

Value	w11	w12	w13	w14	w15	w16
0	12913	11606	12644	10202	9182	9131
1	5433	5037	5842	4918	4583	4687
2	1712	1621	1862	1573	1528	1543
3	424	405	482	387	364	363
4	68	74	78	61	63	60
5	3	3	3	4	3	3
6	1	1	1	1		

SwMDIV: S # times divorced

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried		2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		379	584	417	536	311	220	380	317	365	724
	0	7335	10803	9708	11053	9923	8914	9565	8571	7638	9265
	1	2065	1847	1801	2340	2243	2152	2630	2398	2249	3156
	2	397	354	326	476	456	456	610	604	598	877
	3	102	86	81	104	100	106	154	149	146	196
	4	1		1	5	6	9	11	11	13	17
	5				2	2	2	2	2	2	2

Value		w11	w12	w13	w14	w15	w16
.U=Unmarried		7473	7125	8024	6684	6202	6547
.V=Spouse NR		597	610	1109	1104	1044	1400
	0	8458	7417	7861	6189	5534	5101
	1	2975	2624	2850	2305	2144	1983
	2	840	772	845	683	646	611
	3	189	173	194	159	135	130
	4	21	25	27	20	17	14
	5	1	1	2	2	1	1

RwMWID: R # times widowed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0	11516	15416	13875	16420	14727	13383	15355	13808	12688	17380
1	1098	4176	4055	4840	4716	4628	4607	4459	4322	4424
2	37	49	59	119	130	149	159	190	195	216
3	1	1	2	5	5	5	8	12	12	14
4										

Value	w11	w12	w13	w14	w15	w16
0	16049	14426	16808	13657	12482	12672
1	4260	4061	3854	3272	3029	2917
2	228	240	235	203	200	187
3	16	19	15	14	12	11
4	1	1				

SwMWID: S # times widowed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0	9456	12678	11487	13328	12076	10925	12198	10961	9910	12695
1	429	398	415	633	632	683	737	725	695	776
2	14	14	15	18	22	30	36	47	39	39
3	1			1		1	1	2	2	3

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	597	610	1109	1104	1044	1400
0	11694	10323	11135	8811	7998	7414
1	745	650	610	516	451	400
2	41	36	32	30	28	24
3	4	3	2	1		2

RwMEND: R # times unknown end marriage

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.J=Web interview, missing										
.M=Missing	38	68	60	61	59	58	63	60	58	79
0	12372	17490	16126	19679	18077	16884	18980	17503	16374	21308
1	217	1709	1485	1351	1198	1027	916	763	662	550
2	17	302	262	244	204	167	144	123	105	86
3	2	68	54	44	37	25	22	16	15	9
4	2	2	1	2	1	3	3	3	2	1
5	2	1	1	1	1	1	1	1	1	1
6	1	1	1	1						
10	1	1	1	1	1					

Value	w11	w12	w13	w14	w15	w16
.J=Web interview, missing					3	2
.M=Missing	63	60	78	62	55	51
0	19936	18205	20427	16767	15386	15470
1	469	413	355	277	248	234
2	74	60	45	34	26	26
3	10	7	5	5	5	4
4	1	1	1	1		
5	1	1	1			
6						
10						

SwMEND: S # times unknown end marriage

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.J=Web interview, missing										
.M=Missing	15	47	39	36	35	38	41	37	28	44
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0	9692	11892	10920	13102	11984	11011	12434	11303	10282	13201
1	177	946	786	695	591	497	422	336	290	239
2	11	166	147	127	103	82	64	50	38	25
3	1	36	22	19	17	8	7	6	7	3
4	2	1	1	1		3	3	3	1	1
5	1	1	1				1			
6	1	1	1							

Value	w11	w12	w13	w14	w15	w16
.J=Web interview, missing				2	3	1
.M=Missing	35	35	38	33	27	23
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	597	610	1109	1104	1044	1400
0	12222	10774	11573	9191	8334	7715
1	205	184	156	123	105	93
2	19	16	10	7	7	8
3	2	2	1	1	1	
4	1	1	1	1		
5						
6						

How Constructed

RwMRCT reports the number of times a Respondent has been married. It is pulled from the marriage history information and assigned at the first wave the Respondent enters the HRS. The marriage history information provides number of marriages, including the current one. After the first wave, the number of marriages changes if the Respondent reports a marriage beginning between waves or if a change in marital status indicates that one has begun. Additionally, if the Respondent is married in 2 consecutive waves but to different spouses, a marriage is added for the new spouse.

Please note that the maximum number of marriages an individual can report at the first interview varies. If the first interview is Wave 1, there is no maximum; at most, 15 marriages are reported. In Wave 2H the maximum is 15. For all other waves the maximum allowed is 4.

RwMNEV indicates if the Respondent has never been married. If the Respondent reports having an ever-married status but later reports being never-married, they remain ever-married, i.e, RwMNEV=0 for the later wave. From Wave 7 and forward, some cases report marital status as annulled, which is treated as never married.

For ever-married Respondents, three additional variables are derived: RwMDIV counts the number of divorces the Respondent has reported; RwMWID counts the number of times the Respondent reports being widowed; and RwMEND counts the number of ended marriages where the ending status (divorce or widowhood) is unknown.

The derivation for number of times marriages end for each of these three variables begins with the individual's marriage history at the first interview to which they respond. The number of divorces and widowhoods are counted as well as the number of remaining marriages that ended for which the end status is unknown. At subsequent interviews, RwMDIV and RwMWID counts are increased if a Respondent's marital status changes from married or separated to divorced or widowed, respectively. Similarly, RwMDIV, RwMWID, and RwMEND counts are increased, respectively, if a divorce, widowhood, or any marriage end with an unknown status is reported as occurring between interviews.

Spouse marital and mortality statuses are used to help fill missing or ambiguous marriage ends. Partners living together are treated as having an unmarried or separated status.

The spouse's variables are taken from the Wave "w" spouse's variables, i.e., from the Wave "w" spouse's RwMRCT, RwMNEV, RwMDIV, RwMWID, and RwMEND. These spouse variables are set to .U if the Respondent is unmarried or unpartnered and are set to .V if the Respondent's spouse or partner did not respond in a given wave.

Cross Wave Differences in Original HRS Data

Marriage history is asked of individuals at the first interview to which they respond. The questions generally proceed from current marital status and ask number of marriages, the date the first and most recent marriage began, and either the length or end date of those marriages.

From Wave 2H forward for the HRS sample and for the AHEAD sample from Wave 3A forward, a change from unmarried to married status or vice versa since the last interview triggers questions about whether a marriage has begun or ended since the last interview. If any marital events between interviews are reported, the month and year of each is collected.

The asking and coding of marital status differs from wave to wave. In Waves 1 and 2H, Respondents are specifically asked their marital status as married, partnered, separated, divorced, widowed or never married. The marital status in the public use data also includes a "Married, spouse absent" status that is split between those whose spouse is in a nursing home, and those whose spouse is not institutionalized. In Wave 2A, a single item is used to assess marital status. Response categories include married (spouse present), married (spouse absent), living with someone, separated/divorced, widowed, and never married. The separated and divorced categories are not coded separately.

In Wave 3H, the Respondent is not asked marital status; it is derived from preloaded marital status and a series of questions in the cover sheet section. There is a "corrected" marital status included in the Wave 3H public use data. In addition, the separated and divorced statuses are not coded separately. In Waves 1, 2, and 3H, partnership overrides any other marital status. Marital status in Wave 3A is also derived using questions from the cover sheet section. The separated and divorced statuses are in a single category, and partnership overrides any other marital status.

Beginning in Wave 4, all partnered and unmarried single Respondents are asked marital status. Through Wave 6, the status must be an unmarried status, treating separated as an unmarried category apart from divorced. Beginning in Wave 7, married or annulled may be coded in addition to the unmarried statuses. Marital status in the raw data is set to married or separated for Respondents determined to have these statuses from cover sheet section questions.

The cover sheet section sequence of questions that lead to a marital status and determination of "coupleness," are included in the data starting in Wave 3. These questions are examined to help set the cleaned marital status.

Respondents who have an unmarried to married transition between interviews, or vice versa, are asked about marriages and ends of marriages (divorce or widowhood) that may have occurred between interviews at all waves after the initial interview in which a Respondent appears.

Marriage history is asked of individuals at the first interview to which they respond. The questions generally proceed from current marital status and ask the number of marriages, the date the first and most recent marriage began, and either the length or end date of those marriages. For previous marriages, questions ask how it ended.

The skip pattern and amount of marital history information gathered varies from wave to wave. In Wave 1, data are collected on 3 past marriages, and the current or most recent marriage. For new Respondents in Wave 2H, data are collected only about the first marriage. For new Respondents in Wave 3H, data are collected on the first and most recent marriages. In Waves 4 and 5, new Respondents are asked about 3 past marriages and the current marriage. In Wave 6, new Respondents are asked about 3 past marriages. In Wave 6, an apparent skip pattern problem occurred so that the current marriage data are not collected for new Respondents who are married. This was corrected in Wave 7.

In Wave 1, partnered Respondents are asked the timing of their most recent marriage, but not how it ended. For other unmarried Respondents, the current marital status reveals how the most recent marriage ended. The ending status of up to 3 past marriages is asked. There is no maximum for the number of marriages the Respondent can report, though no more than 15 marriages are reported. If the Respondent reports more than 4 marriages, the specific ending status of additional marriages is unknown.

Except for overlap cases, the first interview for AHEAD sample members is Wave 2A. Here Respondents can report a maximum of 4 marriages (meaning 4 or more), and are asked about their current, or most recent marriage (if currently living with someone). There are some issues with the questions in this section. First, the "year married" question, which follows the marital status question, presumably is referring to the Respondent's current spouse. However, at least a couple of people may have misunderstood the question. When we compared the marriage beginning dates reported by overlap cases in HRS W1 and AHEAD W1, we found that four people, all of whom had multiple marriages, gave dates that corresponded to previous marriages. Second, Respondents who report "living with someone" are then asked if they have ever been married, and if so, what year that marriage ended. The problem with this sequence of questions is that a person can be married more than one time, in which case we assume that they are reporting on the most recent marriage.

For new Respondents in Wave 2H, the Respondent can report a maximum of 15 marriages. Current marital status reveals the way the most recent marriage ended. Marital history asks only how the first marriage ended, if the Respondent has more than one marriage. If the Respondent reports more than 2 marriages, the way the additional marriages ended is unknown.

For Waves 3A and 3H, new Respondents can report being married a maximum of 4 times. They are asked how the first and most recent marriages ended, if ever married. If the Respondent reports more than 2 marriages, the way the additional marriages ended is unknown.

From Wave 4 forward, new Respondents can report being married a maximum of 4 times. They are asked how the first three, and most recent, marriages ended, if ever married, for a total of up to 4 marriage end statuses. In Wave 6, because of a question skip problem, the fourth marriage information was not collected. The way the most recent marriage ended can be taken from current marital status.

HRS Variables Used

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HRS 1992:
    V10225          A10:CURRENT MAR STAT:IND
    V225            A10:CURRENT MARR STA:IMP
    V228            A10B:EVER BEEN MARRIED
    V229            A10C:# OF TIMES MARRIED
    V232            A10E:LAST MARR END-MO
    V233            A10E:LAST MARR END-YEAR
    V234            CKPT:TIMES BEEN MARRIED
    V239            A11:1ST MARRIAGE
    V240            A12:TOTAL TIMES MARRIED
    V242            A14:MAR1:DVRCD/WDOWD/OTH
    V245            A14:MAR2:DVRCD/WDOWD/OTH
    V248            A14:MAR3:DVRCD/WDOWD/OTH
AHEAD 1993:
    B150            A11. R'S MARITAL STATUS
    B158            A11c. LIVE TGHR: EVER MARRIED
    B160            A11e. LIVE TGHR: DIVORCED OR WIDOWED
    B162            A11g. DIV/WID: YEAR DIV/WID MOST RECENT
    B166            A13. # OF MARRIAGES EVER
HRS 1994:
    W200            A1. Marital Status
    W201            A2. Marriage Start After
    W202            A3. Marriage Month
    W203            A3. Marriage Year
    W204            A4. Divorced/Widowed Since
    W205            A5. Divorced/Widowed-Month
    W206            A5. Divorced/Widowed-Year
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    W207            A6. Ever Been Married?
    W208            A7. Number of Times Married
    W210            A9. Marriage End Divorce/Widow
AHEAD 1995:
    D226            CS4.R SAME SP/P
    D227            CS5.SP/P ALIVE
    D228            CS6.MO/YR SEPARATE/DIE
    D229            CS6A.YEAR SEPARATE/DIE
    D240            CS11.R-WHERE LIVE
    D241            CS12.COUPLE LIVE TOGETHER
    D247            CS15.MO/YR ST LIVE W/NEW SP/P
    D248            CS15A.YEAR ST LIVE W/NEW SP/P
    D676            A21.L-EVER MARRIED
    D677            A21A.# MARRIAGES
    D680            A22B.FIRST MAR-END DIV/WID
    D684            A23B.RECENT MAR-END DIV/WID
    D739            A40.POST W1 MARRIAGE START
    D741            A40A.POST W1 MARRIAGE MO
    D742            A40C.YEAR
    D746            A41.POST W1 DIV/SWIDOWED
    D747            A41A.POST W1 DIV/WIDOW MOR
    D748            A41B.YEAR
    DMSTATR         HRS 95: Marital Status (w/ partnered)
HRS 1996:
    E226            CS4.R SAME SP/P
    E227            CS5.SP/P ALIVE
    E228            CS6.MO/YR SEPARATE/DIE
    E229            CS6A.YEAR SEPARATE/DIE
    E247            CS15.MO/YR ST LIVE W/NEW SP/P
    E248            CS15A.YEAR ST LIVE W/NEW SP/P
    E256A           MARRIAGE STATUS - CORRECTED
    E676            A21.L-EVER MARRIED
    E677            A21A.# MARRIAGES
    E680            A22B.FIRST MAR-END DIV/WID
    E684            A23B.RECENT MAR-END DIV/WID
    E739            A40.POST W1 MARRIAGE START
    E741            A40A.POST W1 MARRIAGE MO
    E742            A40C.YEAR
    E746            A41.POST W1 DIV/SWIDOWED
    E747            A41A.POST W1 DIV/WIDOW MOR
    E748            A41B.YEAR
    E750            A42.FIRST MARRIAGE ENDED
HRS 1998:
    F1059           A40.POST W1 MARRIAGE START
    F1061           A40A.POST W1 MARRIAGE MO
    F1062           A40C.YEAR
    F1066           A41.POST W1 DIV/WIDOWED
    F1067           A41A.POST W1 DIV/WIDOW MOR
    F1068           A41B.YEAR
    F1071           A43A.MARITAL STATUS, ASSIGNED
    F1072           A44.# MARRIAGES
    F1073           A45.FIRST MAR-YR BEGIN
    F1074           A45A.FIRST MAR-MON BEGIN
    F1075           A45B.FIRST MAR-END DIV/WID
    F1079           A46B.SECOND MAR-END DIV/WID
    F1083           A47B.THIRD MAR-END DIV/WID
    F1087           A48B.RECENT MAR-END DIV/WID
    F502            CS4.1ST R SAME SPOUSE/P
    F504            CS5.PRELOAD SPOUSE/P ALIVE
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    F506            CS6A.YEAR SEPARATE/DIE
    F526            CS15MO./YR S/P START LIVE TOGETHER
    F527            CS15YR.YEAR ST LIVE W/NEW SP/P
HRS 2000:
    G1146           A40.POST W1 MARRIAGE START
    G1148           A40A.POST W1 MARRIAGE MO
    G1149           A40C.YEAR
    G1153           A41.POST W1 DIV/WIDOWED
    G1154           A41A.POST W1 DIV/WIDOW MOR
    G1155           A41B.YEAR
    G1158           A43A.MARITAL STATUS_ASSIGNED
    G1159           A44.# MARRIAGES
    G1160           A45.FIRST MAR-YR BEGIN
    G1161           A45A.FIRST MAR-MON BEGIN
    G1162           A45B.FIRST MAR-END DIV/WID
    G1166           A46B.SECOND MAR-END DIV/WID
    G1170           A47B.THIRD MAR-END DIV/WID
    G1174           A48B.RECENT MAR-END DIV/WID
    G543            CS4.1ST R SAME SPOUSE/P
    G545            CS5.PRELOAD SPOUSE/P ALIVE
    G547            CS6A.YEAR SEPARATE/DIE
    G567            CS15MO./YR S/P START LIVE TOGETHER
    G568            CS15YR.YEAR ST LIVE W/NEW SP/P
HRS 2002:
    HMARITAL        MARITAL STATUS
HRS 2002-2022:
    xA020           1ST R SAME SP/P
    xA023           PREVIOUS WAVE SP/P ALIVE
    xA025           YEAR COUPLE STOPPED LIVE TOGETHER/DIE
    xA036           MO STARTED LIVING WITH NEW SP/P
    xA037           YEAR STARTED LIVING WITH NEW SP/P
    xB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    xB056           BETWEEN WAVE MARRIAGE START-MONTH
    xB057           BETWEEN WAVE MARRIAGE START-YEAR
    xB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    xB059           BETWEEN WAVE DIVORCE/WIDOW-MONTH
    xB060           BETWEEN WAVE DIVORCE/WIDOW-YEAR
    xB065           NUMBER OF MARRIAGES
    xB066_1         FIRST MARRIAGE YEAR BEGAN
    xB067_1         FIRST MARRIAGE MONTH BEGAN
    xB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    xB068_2         SECOND MARRIAGE END DIVORCE/WIDOW
    xB068_3         THIRD MARRIAGE END DIVORCE/WIDOW
    xPN_SP          2002 SPOUSE/PARTNER PERSON NUMBER
    xSUBHH          2002 SUB-HOUSEHOLD IDENTIFIER
Tracker:
    xALIVE              1992-2022 VITAL STATUS
    xIWTYPE             1992-2022 INTERVIEW TYPE
    xPPN                1992-2022 SPOUSE-PARTNER PERSON NUMBER
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Length of current and longest marriage

Wave	Variable Name	Variable Label	Type
1	R1MCURLN	R1MCURLN:W1 R length of current marriage	Cont
2	R2MCURLN	R2MCURLN:W2 R length of current marriage	Cont
3	R3MCURLN	R3MCURLN:W3 R length of current marriage	Cont
4	R4MCURLN	R4MCURLN:W4 R length of current marriage	Cont
5	R5MCURLN	R5MCURLN:W5 R length of current marriage	Cont
6	R6MCURLN	R6MCURLN:W6 R length of current marriage	Cont
7	R7MCURLN	R7MCURLN:W7 R length of current marriage	Cont
8	R8MCURLN	R8MCURLN:W8 R length of current marriage	Cont
9	R9MCURLN	R9MCURLN:W9 R length of current marriage	Cont
10	R10MCURLN	R10MCURLN:W10 R length of current marriage	Cont
11	R11MCURLN	R11MCURLN:W11 R length of current marriage	Cont
12	R12MCURLN	R12MCURLN:W12 R length of current marriage	Cont
13	R13MCURLN	R13MCURLN:W13 R length of current marriage	Cont
14	R14MCURLN	R14MCURLN:W14 R length of current marriage	Cont
15	R15MCURLN	R15MCURLN:W15 R length of current marriage	Cont
16	R16MCURLN	R16MCURLN:W16 R length of current marriage	Cont
1	S1MCURLN	S1MCURLN:W1 S length of current marriage	Cont
2	S2MCURLN	S2MCURLN:W2 S length of current marriage	Cont
3	S3MCURLN	S3MCURLN:W3 S length of current marriage	Cont
4	S4MCURLN	S4MCURLN:W4 S length of current marriage	Cont
5	S5MCURLN	S5MCURLN:W5 S length of current marriage	Cont
6	S6MCURLN	S6MCURLN:W6 S length of current marriage	Cont
7	S7MCURLN	S7MCURLN:W7 S length of current marriage	Cont
8	S8MCURLN	S8MCURLN:W8 S length of current marriage	Cont
9	S9MCURLN	S9MCURLN:W9 S length of current marriage	Cont
10	S10MCURLN	S10MCURLN:W10 S length of current marriage	Cont
11	S11MCURLN	S11MCURLN:W11 S length of current marriage	Cont
12	S12MCURLN	S12MCURLN:W12 S length of current marriage	Cont
13	S13MCURLN	S13MCURLN:W13 S length of current marriage	Cont
14	S14MCURLN	S14MCURLN:W14 S length of current marriage	Cont
15	S15MCURLN	S15MCURLN:W15 S length of current marriage	Cont
16	S16MCURLN	S16MCURLN:W16 S length of current marriage	Cont
1	R1MLEN	R1MLEN:W1 R length of longest marriage	Cont
2	R2MLEN	R2MLEN:W2 R length of longest marriage	Cont
3	R3MLEN	R3MLEN:W3 R length of longest marriage	Cont
4	R4MLEN	R4MLEN:W4 R length of longest marriage	Cont
5	R5MLEN	R5MLEN:W5 R length of longest marriage	Cont
6	R6MLEN	R6MLEN:W6 R length of longest marriage	Cont
7	R7MLEN	R7MLEN:W7 R length of longest marriage	Cont
8	R8MLEN	R8MLEN:W8 R length of longest marriage	Cont
9	R9MLEN	R9MLEN:W9 R length of longest marriage	Cont
10	R10MLEN	R10MLEN:W10 R length of longest marriage	Cont
11	R11MLEN	R11MLEN:W11 R length of longest marriage	Cont
12	R12MLEN	R12MLEN:W12 R length of longest marriage	Cont
13	R13MLEN	R13MLEN:W13 R length of longest marriage	Cont
14	R14MLEN	R14MLEN:W14 R length of longest marriage	Cont
15	R15MLEN	R15MLEN:W15 R length of longest marriage	Cont
16	R16MLEN	R16MLEN:W16 R length of longest marriage	Cont
1	S1MLEN	S1MLEN:W1 S length of longest marriage	Cont
2	S2MLEN	S2MLEN:W2 S length of longest marriage	Cont
3	S3MLEN	S3MLEN:W3 S length of longest marriage	Cont
4	S4MLEN	S4MLEN:W4 S length of longest marriage	Cont
5	S5MLEN	S5MLEN:W5 S length of longest marriage	Cont
6	S6MLEN	S6MLEN:W6 S length of longest marriage	Cont
7	S7MLEN	S7MLEN:W7 S length of longest marriage	Cont
8	S8MLEN	S8MLEN:W8 S length of longest marriage	Cont
9	S9MLEN	S9MLEN:W9 S length of longest marriage	Cont
10	S10MLEN	S10MLEN:W10 S length of longest marriage	Cont
11	S11MLEN	S11MLEN:W11 S length of longest marriage	Cont
12	S12MLEN	S12MLEN:W12 S length of longest marriage	Cont
13	S13MLEN	S13MLEN:W13 S length of longest marriage	Cont
14	S14MLEN	S14MLEN:W14 S length of longest marriage	Cont
15	S15MLEN	S15MLEN:W15 S length of longest marriage	Cont

16	S16MLEN	S16MLEN:W16 S length of longest marriage	Cont
1	R1MLENM	R1MLENM:W1 R # marriage lengths missng	Cont
2	R2MLENM	R2MLENM:W2 R # marriage lengths missng	Cont
3	R3MLENM	R3MLENM:W3 R # marriage lengths missng	Cont
4	R4MLENM	R4MLENM:W4 R # marriage lengths missng	Cont
5	R5MLENM	R5MLENM:W5 R # marriage lengths missng	Cont
6	R6MLENM	R6MLENM:W6 R # marriage lengths missng	Cont
7	R7MLENM	R7MLENM:W7 R # marriage lengths missng	Cont
8	R8MLENM	R8MLENM:W8 R # marriage lengths missng	Cont
9	R9MLENM	R9MLENM:W9 R # marriage lengths missng	Cont
10	R10MLENM	R10MLENM:W10 R # marriage lengths missng	Cont
11	R11MLENM	R11MLENM:W11 R # marriage lengths missng	Cont
12	R12MLENM	R12MLENM:W12 R # marriage lengths missng	Cont
13	R13MLENM	R13MLENM:W13 R # marriage lengths missng	Cont
14	R14MLENM	R14MLENM:W14 R # marriage lengths missng	Cont
15	R15MLENM	R15MLENM:W15 R # marriage lengths missng	Cont
16	R16MLENM	R16MLENM:W16 R # marriage lengths missng	Cont
1	S1MLENM	S1MLENM:W1 S # marriage lengths missng	Cont
2	S2MLENM	S2MLENM:W2 S # marriage lengths missng	Cont
3	S3MLENM	S3MLENM:W3 S # marriage lengths missng	Cont
4	S4MLENM	S4MLENM:W4 S # marriage lengths missng	Cont
5	S5MLENM	S5MLENM:W5 S # marriage lengths missng	Cont
6	S6MLENM	S6MLENM:W6 S # marriage lengths missng	Cont
7	S7MLENM	S7MLENM:W7 S # marriage lengths missng	Cont
8	S8MLENM	S8MLENM:W8 S # marriage lengths missng	Cont
9	S9MLENM	S9MLENM:W9 S # marriage lengths missng	Cont
10	S10MLENM	S10MLENM:W10 S # marriage lengths missng	Cont
11	S11MLENM	S11MLENM:W11 S # marriage lengths missng	Cont
12	S12MLENM	S12MLENM:W12 S # marriage lengths missng	Cont
13	S13MLENM	S13MLENM:W13 S # marriage lengths missng	Cont
14	S14MLENM	S14MLENM:W14 S # marriage lengths missng	Cont
15	S15MLENM	S15MLENM:W15 S # marriage lengths missng	Cont
16	S16MLENM	S16MLENM:W16 S # marriage lengths missng	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1MCURLN	10210	27.47	11.10	0.0	53.2
R2MCURLN	13550	34.50	14.65	0.1	77.0
R3MCURLN	12215	35.51	14.69	0.0	75.3
R4MCURLN	14233	35.16	14.97	0.0	74.4
R5MCURLN	12716	36.00	15.13	0.0	75.2
R6MCURLN	11423	36.98	15.37	0.0	74.7
R7MCURLN	12774	34.86	16.02	0.0	76.2
R8MCURLN	11452	36.02	16.30	0.0	76.2
R9MCURLN	10424	36.84	16.46	0.0	78.4
R10MCURLN	13281	33.15	16.76	0.0	75.3
R11MCURLN	12046	34.07	16.87	0.0	76.5
R12MCURLN	10676	34.68	16.90	0.0	78.9
R13MCURLN	11801	32.17	16.90	0.0	74.5
R14MCURLN	9516	32.94	17.03	0.0	73.9
R15MCURLN	8586	33.89	16.91	0.0	75.4
R16MCURLN	8337	33.09	16.88	0.0	74.9
S1MCURLN	9555	27.51	11.08	0.0	53.2
S2MCURLN	12710	34.60	14.58	0.1	77.0
S3MCURLN	11600	35.75	14.55	0.0	75.3
S4MCURLN	13465	35.37	14.90	0.0	74.4
S5MCURLN	12232	36.18	15.02	0.0	75.2
S6MCURLN	11045	37.17	15.25	0.0	74.7

S7MCURLN	12205	35.21	15.90	0.0	76.2
S8MCURLN	10988	36.31	16.18	0.0	73.5
S9MCURLN	9926	37.23	16.28	0.0	72.7
S10MCURLN	12291	33.71	16.75	0.0	75.3
S11MCURLN	11230	34.55	16.82	0.0	76.5
S12MCURLN	9874	35.26	16.82	0.0	78.9
S13MCURLN	10473	33.03	16.93	0.0	74.5
S14MCURLN	8289	33.83	17.04	0.0	73.9
S15MCURLN	7466	34.79	16.75	0.1	75.4
S16MCURLN	6902	34.26	16.84	0.0	72.2
R1MLEN	12652	26.30	11.12	0.0	53.2
R2MLEN	19642	32.31	15.73	0.0	79.0
R3MLEN	17991	33.33	15.79	0.0	79.0
R4MLEN	21384	33.03	15.92	0.0	79.0
R5MLEN	19578	33.86	16.03	0.0	77.0
R6MLEN	18165	34.53	16.32	0.0	77.0
R7MLEN	20129	32.59	16.85	0.0	76.2
R8MLEN	18469	33.48	17.12	0.0	78.3
R9MLEN	17217	34.08	17.35	0.0	78.4
R10MLEN	22034	29.77	17.94	0.0	80.8
R11MLEN	20554	30.24	18.19	0.0	76.5
R12MLEN	18747	30.56	18.34	0.0	78.9
R13MLEN	20912	27.70	18.36	0.0	79.7
R14MLEN	17146	28.14	18.56	0.0	76.2
R15MLEN	15723	28.49	18.59	0.0	75.4
R16MLEN	15787	26.94	18.64	0.0	77.8
S1MLEN	9900	28.51	9.59	0.0	53.2
S2MLEN	13090	34.85	13.83	0.0	77.0
S3MLEN	11917	36.16	13.65	0.0	75.3
S4MLEN	13980	35.84	13.84	0.0	74.4
S5MLEN	12730	36.69	13.87	0.0	75.2
S6MLEN	11639	37.57	14.18	0.0	74.7
S7MLEN	12972	35.50	15.04	0.0	76.2
S8MLEN	11735	36.56	15.33	0.0	73.5
S9MLEN	10646	37.41	15.45	0.0	72.7
S10MLEN	13513	33.18	16.48	0.0	75.3
S11MLEN	12484	33.73	16.71	0.0	76.5
S12MLEN	11012	34.20	16.85	0.0	78.9
S13MLEN	11779	31.78	17.00	0.0	74.5
S14MLEN	9358	32.39	17.26	0.0	73.9
S15MLEN	8477	33.09	17.16	0.0	75.4
S16MLEN	7840	32.47	17.30	0.0	72.2
R1MLENM	12652	0.04	0.26	0.0	11.0
R2MLENM	19642	0.15	0.44	0.0	11.0
R3MLENM	17991	0.14	0.43	0.0	11.0
R4MLENM	21384	0.11	0.38	0.0	11.0
R5MLENM	19578	0.10	0.37	0.0	11.0
R6MLENM	18165	0.10	0.36	0.0	5.0
R7MLENM	20129	0.08	0.33	0.0	5.0
R8MLENM	18469	0.08	0.32	0.0	5.0
R9MLENM	17217	0.08	0.32	0.0	5.0
R10MLENM	22034	0.06	0.27	0.0	5.0
R11MLENM	20554	0.06	0.27	0.0	5.0
R12MLENM	18747	0.06	0.27	0.0	5.0
R13MLENM	20912	0.05	0.24	0.0	4.0
R14MLENM	17146	0.05	0.24	0.0	4.0

R15MLENM	15723	0.05	0.24	0.0	4.0
R16MLENM	15787	0.05	0.23	0.0	3.0
S1MLENM	9900	0.03	0.21	0.0	6.0
S2MLENM	13090	0.11	0.39	0.0	6.0
S3MLENM	11917	0.11	0.38	0.0	6.0
S4MLENM	13980	0.08	0.32	0.0	5.0
S5MLENM	12730	0.07	0.31	0.0	5.0
S6MLENM	11639	0.08	0.31	0.0	5.0
S7MLENM	12972	0.06	0.29	0.0	5.0
S8MLENM	11735	0.06	0.28	0.0	5.0
S9MLENM	10646	0.06	0.27	0.0	4.0
S10MLENM	13513	0.04	0.23	0.0	4.0
S11MLENM	12484	0.05	0.24	0.0	4.0
S12MLENM	11012	0.05	0.24	0.0	4.0
S13MLENM	11779	0.04	0.22	0.0	3.0
S14MLENM	9358	0.05	0.23	0.0	3.0
S15MLENM	8477	0.05	0.23	0.0	3.0
S16MLENM	7840	0.04	0.22	0.0	3.0

How Constructed

RwMCURLN-length of the current marriage in years, RwMLEN-the length of the longest marriage up through Wave "w," and RwMLENM-number of marriage lengths which are unknown are assigned by looking at marital history dates, marital events, and marriage status.

At the first interview, the date the most recent marriage began is asked. This date is kept across interviews until the marriage ends in divorce or widowhood. If the Respondent begins a new marriage, the current marriage begin date is reset to reflect this. Data are not collected on all marriages: up to four previous marriages if the Respondent enters the HRS in Waves 1, 4, 5, or 7 forward; up to three previous marriages if the Respondent enters the study in Wave 6; or up to two previous marriages if the Respondent enters in Waves 2H or 3. If the first interview is Wave 2A, there is information on at most one previous marriage. If the Respondent gives a marriage date or length that indicates being married before age 12, the dates or length are treated as missing, depending on what information is provided.

The spouse's information is examined, if available, to fill missing current marriage begin dates if they are missing from the retrospective marriage history at a Respondent's first interview. This step is introduced to address the skip pattern problem in Wave 6, where no current marriage begin dates were collected for married new interviewees. The problem was corrected in Wave 7.

Missing dates in the marriage history data are abundant. For marital events between interviews, there is about a 2 year range when they can occur. If dates are missing for between interview events, they are estimated based on interview and other marriage dates so as to compare lengths of marriages.

If the Respondent is married (or separated) at the interview, the length of the current marriage is calculated as the time from the marriage begin date to the interview end date. Separations are treated as continuing marriages. If the Respondent is unmarried, RwMCURLN is missing.

The spouse's variables are taken from the Wave "w" spouse's variables, i.e., from the Wave "w" spouse's RwMCURLN, RwMLEN, and RwMLENM. These spouse variables are set to .U if the Respondent is unmarried or unpartnered and are set to .V if the Respondent's spouse or partner did not respond in a given wave.

Cross Wave Differences in Original HRS Data

The asking and coding of marital status differs from wave to wave. In Waves 1 and 2H, Respondents are specifically asked their marital status as married, partnered, separated, divorced, widowed or never married. The marital status in the public use data also includes a "Married, spouse absent" status that is split between those whose spouse is in a nursing home, and those whose spouse is not institutionalized. In Wave 2A, a single item is used to assess marital status. Response categories include married (spouse present), married (spouse absent), living with someone, separated/divorced, widowed, and never married. The separated and divorced categories are not coded separately.

In Wave 3H, the Respondent is not asked marital status; it is derived from preloaded marital status and a series of questions in the cover sheet section. There is a "corrected" marital status included in the Wave 3H public use data. In addition, the separated and divorced statuses are not coded separately. In Waves 1, 2, and 3H, partnership overrides any other marital status. Marital status in Wave 3A is also derived using questions from the cover sheet section. The separated and divorced statuses are in a single category, and partnership overrides any other marital status.

Beginning in Wave 4, all partnered and unmarried single Respondents are asked marital status. Through Wave 6, the status must be an unmarried status, treating separated as an unmarried category apart from divorced. Beginning in Wave 7, married or annulled may be coded, in addition to the unmarried statuses. Marital status in the raw data is set to married or separated for Respondents determined to have these statuses from cover sheet section questions.

The cover sheet section sequence of questions that lead to a marital status and determination of "coupleness," are included in the data starting in Wave 3. These questions are examined to help set the cleaned marital status. Included in the cover sheet questions are dates for when a spouse died or separated, and when the Respondent started living with a new spouse or partner.

Respondents who have an unmarried to married transition between interviews, or vice versa, are asked about marriages and ends of marriages (divorce or widowhood) that may have occurred between interviews at all waves after the initial interview in which a Respondent appears. If a marriage, divorce, or widowhood is reported, the month and year of the event is asked.

Marriage history is asked of individuals at the first interview to which they respond. The questions generally proceed from current marital status and ask the number of marriages, the date the first and most recent marriage began, and either the length or end date of those marriages. For previous marriages, questions ask how it ended.

The skip pattern and amount of marital history information gathered varies from wave to wave. In Wave 1, data are collected on three past marriages, and the current or most recent marriage. For new Respondents in Wave 2H, data are collected only about the first marriage. For new Respondents in Wave 3H, data are collected on the first and most recent marriages. In Waves 4 and 5, new Respondents are asked about three past marriages and the current marriage. In Wave 6, new Respondents are asked about three past marriages. In Wave 6, an apparent skip pattern problem occurred so that the current marriage data were not collected for new Respondents who were married. This was corrected in Wave 7 so that information on the current and three past marriages is collected.

In Wave 1, there is no maximum for the number of marriages the Respondent can report. If the Respondent reports more than four marriages, then all information about at least some marriages will be completely missing. The beginning and end month of the current or most recent marriage are asked. For past marriages, only the year is obtained.

Except for overlap cases, the first interview for AHEAD sample members is Wave 2A. Here Respondents can report a maximum of four marriages (meaning four or more), and are asked for details about only their current, or most recent marriage (if currently living with someone). There are some issues with the questions in this section. First, the "year married" question, which follows the marital status question, presumably is referring to the Respondent's current spouse. However, at least a couple of people may have misunderstood the question. When we compared the marriage beginning dates reported by overlap cases in HRS W1 and AHEAD W1, we found that four people, all of whom had multiple marriages, gave dates that corresponded to previous marriages. Second, Respondents who report "living with someone" are then asked if they have ever been married, and if so, what year that marriage ended. The problem with this sequence of questions is that a person can be married more than one time, in which case we assume that they are reporting on the most recent marriage. For those not married, then the year the marriage ended and the length of the marriage are ascertained.

For new Respondents in Wave 2H, the Respondent can report a maximum of 15 marriages. The begin and end year of the first

marriage is asked if the Respondent reports more than one marriage. If the Respondent only reports one marriage, the begin month and, if applicable, end month of the most recent marriage are only asked if the event occurred between interviews. If the Respondent reports more than two marriages, the information about any except the first, and perhaps the most recent, marriage will be completely missing.

For Waves 3A and 3H, new Respondents can report being married a maximum of four times. They are asked the year when the first and most recent marriages began. If a begin year is after 1992, the month of marriage is also asked. If the marriage ended, the Respondent is asked how many years it lasted. If the Respondent reports more than two marriages, the information about any besides the first and most recent is completely missing.

From Wave 4 forward, new Respondents can report a maximum of four marriages. They are asked the month and year the first three and most recent marriages began and how many years each marriage lasted. In these waves there can be information about up to four marriages, which is the maximum number of marriages that can be reported, so all known marriages are inquired about. In Wave 6, because of a question skip pattern problem, the fourth marriage information was not collected. The month and year that the current marriage began is missing for all new interviewees who were newly married. The month and year of the fourth marriage is missing for those with four marriages.

HRS Variables Used

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HRS 1992:
    V10225          A10:CURRENT MAR STAT:IND
    V225            A10:CURRENT MARR STA:IMP
    V226            A10A:DATE MARRIED-MONTH
    V227            A10A:DATE MARRIED-YEAR
    V228            A10B:EVER BEEN MARRIED
    V230            A10D:LAST MARR BEGIN-M0
    V233            A10E:LAST MARR END-YEAR
    V234            CKPT:TIMES BEEN MARRIED
    V235            A10G:END LAST MARR-MONTH
    V236            A10G:END LAST MARR-YR
    V237            A10H:BEGIN LAST MARR-MO
    V238            A10H:BEGIN LAST MARR-YR
    V239            A11:1ST MARRIAGE
    V240            A12:TOTAL TIMES MARRIED
    V241            A13:MAR1:YEAR BEGAN
    V242            A14:MAR1:DVRCD/WDOWD/OTH
    V243            A15:MAR1:YEAR ENDED
    V244            A13:MAR2:YEAR BEGAN
    V245            A14:MAR2:DVRCD/WDOWD/OTH
    V246            A15:MAR2:YEAR ENDED
    V247            A13:MAR3:YEAR BEGAN
    V249            A15:MAR3:YEAR ENDED
AHEAD 1993:
    B150            A11. R'S MARITAL STATUS
    B156            A11a. YEAR MARRIED
    B158            A11c. LIVE TGHR: EVER MARRIED
    B159            A11d. LIVE TGHR: YEAR MARRIAGE ENDED
    B160            A11e. LIVE TGHR: DIVORCED OR WIDOWED
    B161            A11f. LIVE TGHR: YRS MARRIED MOST RECENT
    B162            A11g. DIV/WID: YEAR DIV/WID MOST RECENT
    B163            A11h. DIV/WID: YEARS MARRIED MOST RECENT
    B166            A13. # OF MARRIAGES EVER
HRS 1994:
    W200            A1. Marital Status
    W201            A2. Marriage Start After
    W202            A3. Marriage Month
    W203            A3. Marriage Year
    W204            A4. Divorced/Widowed Since
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    W205            A5. Divorced/Widowed-Month
    W206            A5. Divorced/Widowed-Year
    W207            A6. Ever Been Married?
    W208            A7. Number of Times Married
    W209            A8. 1st Marriage-Year Begin
    W210            A9. Marriage End Divorce/Widow
    W211            A10. 1st Marriage-Year End
AHEAD 1995:
    D226            CS4.R SAME SP/P
    D227            CS5.SP/P ALIVE
    D228            CS6.MO/YR SEPARATE/DIE
    D229            CS6A.YEAR SEPARATE/DIE
    D247            CS15.MO/YR ST LIVE W/NEW SP/P
    D248            CS15A.YEAR ST LIVE W/NEW SP/P
    D676            A21.L-EVER MARRIED
    D677            A21A.# MARRIAGES
    D678            A22.FIRST MAR-YR BEGIN
    D679            A22A. FIRST MAR-MO BEGIN
    D680            A22B.FIRST MAR-END DIV/WID
    D681            A22C.FIRST MAR-YRS MARRIED
    D682            A23.RECENT MAR-YR BEGIN
    D683            A23A. RECENT MAR-MO BEGIN
    D684            A23B.RECENT MAR-END DIV/WID
    D685            A23C.RECENT MAR-YRS MARRIED
    D739            A40.POST W1 MARRIAGE START
    D741            A40A.POST W1 MARRIAGE MO
    D742            A40C.YEAR
    D746            A41.POST W1 DIV/SWIDOWED
    D747            A41A.POST W1 DIV/WIDOW MOR
    D748            A41B.YEAR
    DMSTATR         HRS 95: Marital Status (w/ partnered)
HRS 1996:
    E226            CS4.R SAME SP/P
    E227            CS5.SP/P ALIVE
    E228            CS6.MO/YR SEPARATE/DIE
    E229            CS6A.YEAR SEPARATE/DIE
    E247            CS15.MO/YR ST LIVE W/NEW SP/P
    E248            CS15A.YEAR ST LIVE W/NEW SP/P
    E256A           MARRIAGE STATUS - CORRECTED
    E676            A21.L-EVER MARRIED
    E677            A21A.# MARRIAGES
    E678            A22.FIRST MAR-YR BEGIN
    E679            A22A.FIRST MAR-MO BEGIN
    E680            A22B.FIRST MAR-END DIV/WID
    E681            A22C.FIRST MAR-YRS MARRIED
    E682            A23.RECENT MAR-YR BEGIN
    E683            A23A.RECENT MAR-MO BEGIN
    E684            A23B.RECENT MAR-END DIV/WID
    E685            A23C.RECENT MAR-YRS MARRIED
    E739            A40.POST W1 MARRIAGE START
    E741            A40A.POST W1 MARRIAGE MO
    E742            A40C.YEAR
    E746            A41.POST W1 DIV/SWIDOWED
    E747            A41A.POST W1 DIV/WIDOW MOR
    E748            A41B.YEAR
    E750            A42.FIRST MARRIAGE ENDED
HRS 1998:
    F1059           A40.POST W1 MARRIAGE START
    F1061           A40A.POST W1 MARRIAGE MO
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    F1062           A40C.YEAR
    F1066           A41.POST W1 DIV/WIDOWED
    F1067           A41A.POST W1 DIV/WIDOW MOR
    F1068           A41B.YEAR
    F1071           A43A.MARITAL STATUS, ASSIGNED
    F1072           A44.# MARRIAGES
    F1073           A45.FIRST MAR-YR BEGIN
    F1074           A45A.FIRST MAR-MON BEGIN
    F1075           A45B.FIRST MAR-END DIV/WID
    F1076           A45C.FIRST MAR-YRS MARRIED
    F1077           A46.SECOND MAR-YR BEGIN
    F1078           A46A.SECOND MAR-MON BEGIN
    F1079           A46B.SECOND MAR-END DIV/WID
    F1080           A46C.SECOND MAR-YRS MARRIED
    F1081           A47.THIRD MAR-YR BEGIN
    F1082           A47A.THIRD MAR-MON BEGIN
    F1084           A47C.THIRD MAR-YRS MARRIED
    F1085           A48.RECENT MAR-YR BEGIN
    F1087           A48B.RECENT MAR-END DIV/WID
    F1088           A48C.RECENT MAR-YRS MARRIED
    F502            CS4.1ST R SAME SPOUSE/P
    F504            CS5.PRELOAD SPOUSE/P ALIVE
    F506            CS6A.YEAR SEPARATE/DIE
    F526            CS15MO./YR S/P START LIVE TOGETHER
    F527            CS15YR.YEAR ST LIVE W/NEW SP/P
HRS 2000:
    G1146           A40.POST W1 MARRIAGE START
    G1148           A40A.POST W1 MARRIAGE MO
    G1149           A40C.YEAR
    G1153           A41.POST W1 DIV/WIDOWED
    G1154           A41A.POST W1 DIV/WIDOW MOR
    G1155           A41B.YEAR
    G1158           A43A.MARITAL STATUS_ASSIGNED
    G1159           A44.# MARRIAGES
    G1160           A45.FIRST MAR-YR BEGIN
    G1161           A45A.FIRST MAR-MON BEGIN
    G1162           A45B.FIRST MAR-END DIV/WID
    G1163           A45C.FIRST MAR-YRS MARRIED
    G1164           A46.SECOND MAR-YR BEGIN
    G1165           A46A.SECOND MAR-MON BEGIN
    G1166           A46B.SECOND MAR-END DIV/WID
    G1167           A46C.SECOND MAR-YRS MARRIED
    G1168           A47.THIRD MAR-YR BEGIN
    G1169           A47A.THIRD MAR-MON BEGIN
    G1171           A47C.THIRD MAR-YRS MARRIED
    G1172           A48.RECENT MAR-YR BEGIN
    G1174           A48B.RECENT MAR-END DIV/WID
    G1175           A48C.RECENT MAR-YRS MARRIED
    G543            CS4.1ST R SAME SPOUSE/P
    G545            CS5.PRELOAD SPOUSE/P ALIVE
    G547            CS6A.YEAR SEPARATE/DIE
    G567            CS15MO./YR S/P START LIVE TOGETHER
    G568            CS15YR.YEAR ST LIVE W/NEW SP/P
HRS 2002:
    HMARITAL        MARITAL STATUS
HRS 2002-2022:
    xA020           1ST R SAME SP/P
    xA023           PREVIOUS WAVE SP/P ALIVE
    xA025           YEAR COUPLE STOPPED LIVE TOGETHER/DIE
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    xA036           MO STARTED LIVING WITH NEW SP/P
    xA037           YEAR STARTED LIVING WITH NEW SP/P
    xB055           NEW MARRIAGE SINCE PREVIOUS WAVE
    xB056           BETWEEN WAVE MARRIAGE START-MONTH
    xB057           BETWEEN WAVE MARRIAGE START-YEAR
    xB058           DIVORCE/WIDOW SINCE PREVIOUS WAVE
    xB059           BETWEEN WAVE DIVORCE/WIDOW-MONTH
    xB060           BETWEEN WAVE DIVORCE/WIDOW-YEAR
    xB065           NUMBER OF MARRIAGES
    xB066_1         FIRST MARRIAGE YEAR BEGAN
    xB066_2         SECOND MARRIAGE YEAR BEGAN
    xB066_3         THIRD MARRIAGE YEAR BEGAN
    xB067_1         FIRST MARRIAGE MONTH BEGAN
    xB067_2         SECOND MARRIAGE MONTH BEGAN
    xB067_3         THIRD MARRIAGE MONTH BEGAN
    xB068_1         FIRST MARRIAGE END DIVORCE/WIDOW
    xB068_2         SECOND MARRIAGE END DIVORCE/WIDOW
    xB068_3         THIRD MARRIAGE END DIVORCE/WIDOW
    xB070_1         FIRST MARRIAGE-YEARS MARRIAGE
    xB070_2         SECOND MARRIAGE-YEARS MARRIAGE
    xB070_3         THIRD MARRIAGE-YEARS MARRIAGE
HRS 2004-2022:
    xPN_SP          2004 SPOUSE/PARTNER PERSON NUMBER
    xSUBHH          2004 SUB-HOUSEHOLD IDENTIFIER
Tracker:
    xALIVE              1992-2022 VITAL STATUS
    xIWTYPE             1992-2022 INTERVIEW TYPE
    xPPN                1992-2022 SPOUSE-PARTNER PERSON NUMBER
```

Religion

Wave	Variable Name	Variable Label	Type
1	RARELIG	RARELIG: R Religion	Categ
1	S1RELIG	S1RELIG: S Religion	Categ
2	S2RELIG	S2RELIG: S Religion	Categ
3	S3RELIG	S3RELIG: S Religion	Categ
4	S4RELIG	S4RELIG: S Religion	Categ
5	S5RELIG	S5RELIG: S Religion	Categ
6	S6RELIG	S6RELIG: S Religion	Categ
7	S7RELIG	S7RELIG: S Religion	Categ
8	S8RELIG	S8RELIG: S Religion	Categ
9	S9RELIG	S9RELIG: S Religion	Categ
10	S10RELIG	S10RELIG: S Religion	Categ
11	S11RELIG	S11RELIG: S Religion	Categ
12	S12RELIG	S12RELIG: S Religion	Categ
13	S13RELIG	S13RELIG: S Religion	Categ
14	S14RELIG	S14RELIG: S Religion	Categ
15	S15RELIG	S15RELIG: S Religion	Categ
16	S16RELIG	S16RELIG: S Religion	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RARELIG	45010	1.70	1.06	1.0	5.0
S1RELIG	10101	1.49	0.81	1.0	5.0
S2RELIG	13413	1.51	0.85	1.0	5.0
S3RELIG	12147	1.51	0.85	1.0	5.0
S4RELIG	14306	1.53	0.87	1.0	5.0
S5RELIG	12912	1.53	0.87	1.0	5.0
S6RELIG	11741	1.53	0.88	1.0	5.0
S7RELIG	13172	1.58	0.92	1.0	5.0
S8RELIG	11900	1.57	0.92	1.0	5.0
S9RELIG	10851	1.58	0.92	1.0	5.0
S10RELIG	13886	1.71	1.06	1.0	5.0
S11RELIG	12814	1.71	1.06	1.0	5.0
S12RELIG	11358	1.73	1.07	1.0	5.0
S13RELIG	12244	1.80	1.14	1.0	5.0
S14RELIG	9987	1.82	1.15	1.0	5.0
S15RELIG	9097	1.85	1.16	1.0	5.0
S16RELIG	8394	1.90	1.19	1.0	5.0

Categorical Variable Codes

RARELIG: R Religion

Value	
.D=DK	44
.M=Missing	68
.R=RF	43
1.Protestant	26618
2.Catholic	12029
3.Jewish	856
4.None/no pref	4401
5.Other	1106

SwRELIG: S Religion

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	5	3	4	8	7	7	11	9	11	11
.M=Missing	14	48	40	34	34	34	32	33	28	24
.R=RF		1	2	2	1	4	7	5	5	10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	159	209	141	166	87	73	130	105	116	306
1.Protestant	6523	8619	7812	9124	8195	7445	8118	7388	6715	8006
2.Catholic	2845	3638	3280	3898	3551	3241	3690	3294	3008	3987
3.Jewish	185	378	352	360	312	264	284	250	226	218
4.None/no pref	468	637	569	763	703	652	938	842	778	1323
5.Other	80	141	134	161	151	139	142	126	124	352

Value	w11	w12	w13	w14	w15	w16
.D=DK	9	8	14	10	6	9
.M=Missing	17	15	12	9	7	5
.R=RF	10	9	11	9	10	6
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	231	232	607	447	401	826
1.Protestant	7341	6423	6685	5399	4823	4311
2.Catholic	3708	3323	3548	2895	2655	2446
3.Jewish	196	172	162	143	139	117
4.None/no pref	1239	1123	1435	1208	1157	1211
5.Other	330	317	414	342	323	309

How Constructed

This variable is assigned by looking at all waves of data for the first non-missing values. The Wave 1 and 2H values are recoded to 5 categories in order to be compatible with the codes from Wave 3H forward, and for the AHEAD sample, from Wave 2A forward. The broader categories used for Waves 1 and 2H are: Protestant (including 'non-traditional Christian'), Catholic, Jewish, none or no preference, and other.

From Wave 3H forward, the HRS variable is simply recoded for missing values. The same is true for Wave 2A forward.

The spouse variable SwRELIG is taken from the Wave "w" spouse's self-reported data, i.e., from the spouse's RARELIG variable.

Cross Wave Differences in Original HRS Data

In Wave 1 the questions on religious preference are asked as follows:

"What is your religious preference: Protestant, Roman Catholic, Jewish, or something else?"

"What denomination is that?"

From Wave 2 forward, the wording of the first question is slightly different:

"What is your religious preference; is it Protestant, Catholic, Jewish, some other religion, or do you have no preference?"

In Waves 1 and 2H, the resulting variable codes only the "denomination," but the codebook lists them in broader groupings: Protestant, Catholic, Jewish, non-traditional Christian (e.g., Quakers, Latter Day Saints), non-Judeo-Christian (e.g., Hindu, Islam), no religion, and other (e.g., Jewish and Catholic, or Catholic summers / Lutheran winters).

From Wave 3H forward, and for the AHEAD sample, from Wave 2A forward, the resulting variable appears to be based on the first question with only 5 codes: Protestant, Catholic, Jewish, No Preference, and Other.

HRS Variables Used

```
HRS 1992:
    V214            A6:RELIGIOUS PREFERENCE
AHEAD 1993:
    B134            A6. R'S RELIGION
HRS 1994:
    W226            A14(a). Religious Preference
AHEAD 1995:
    D732            A36.R RELIGIOUS PREF
HRS 1996:
    E732            A36.R RELIGIOUS PREF
HRS 1998:
    F1052           A36.R RELIGIOUS PREF
HRS 2000:
    G1139           A36.R RELIGIOUS PREF
HRS 2002-2022:
    xB050           R RELIGIOUS PREFERENCE
```

Veteran status

Wave	Variable Name	Variable Label	Type
1	RAVETRN	RAVETRN: R Veteran Status	Categ
1	S1VETRN	S1VETRN: S Veteran Status	Categ
2	S2VETRN	S2VETRN: S Veteran Status	Categ
3	S3VETRN	S3VETRN: S Veteran Status	Categ
4	S4VETRN	S4VETRN: S Veteran Status	Categ
5	S5VETRN	S5VETRN: S Veteran Status	Categ
6	S6VETRN	S6VETRN: S Veteran Status	Categ
7	S7VETRN	S7VETRN: S Veteran Status	Categ
8	S8VETRN	S8VETRN: S Veteran Status	Categ
9	S9VETRN	S9VETRN: S Veteran Status	Categ
10	S10VETRN	S10VETRN: S Veteran Status	Categ
11	S11VETRN	S11VETRN: S Veteran Status	Categ
12	S12VETRN	S12VETRN: S Veteran Status	Categ
13	S13VETRN	S13VETRN: S Veteran Status	Categ
14	S14VETRN	S14VETRN: S Veteran Status	Categ
15	S15VETRN	S15VETRN: S Veteran Status	Categ
16	S16VETRN	S16VETRN: S Veteran Status	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAVETRN	45117	0.19	0.39	0.0	1.0
S1VETRN	10119	0.29	0.45	0.0	1.0
S2VETRN	13432	0.29	0.45	0.0	1.0
S3VETRN	12167	0.29	0.46	0.0	1.0
S4VETRN	14332	0.29	0.46	0.0	1.0
S5VETRN	12932	0.29	0.46	0.0	1.0
S6VETRN	11766	0.29	0.45	0.0	1.0
S7VETRN	13205	0.26	0.44	0.0	1.0
S8VETRN	11929	0.26	0.44	0.0	1.0
S9VETRN	10882	0.26	0.44	0.0	1.0
S10VETRN	13916	0.21	0.41	0.0	1.0
S11VETRN	12841	0.20	0.40	0.0	1.0
S12VETRN	11382	0.19	0.39	0.0	1.0
S13VETRN	12273	0.16	0.37	0.0	1.0
S14VETRN	10008	0.16	0.37	0.0	1.0
S15VETRN	9114	0.16	0.36	0.0	1.0
S16VETRN	8409	0.14	0.35	0.0	1.0

Categorical Variable Codes

RAVETRN: R Veteran Status

Value	
.D=DK/NA	7
.M=Oth missing	38
.R=RF	3
0.No	36592
1.Yes	8525

SwVETRN: S Veteran Status

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA				1	2	2	1	1	1	1
.M=Oth missing	4	35	28	22	19	17	15	16	11	12
.R=RF					1	1	1	1	1	2
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	156	207	139	161	87	73	130	105	116	306
0.No	7182	9505	8588	10108	9142	8344	9737	8822	8069	11013
1.Yes	2937	3927	3579	4224	3790	3422	3468	3107	2813	2903

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	1	1	1	2	2	2
.M=Oth missing	7	6	6	5	4	2
.R=RF	2	2	2	1	2	1
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	230	231	606	446	399	826
0.No	10273	9209	10254	8400	7677	7226
1.Yes	2568	2173	2019	1608	1437	1183

How Constructed

This variable is assigned by looking at all waves of data for the first non-missing values. The first non-missing value for veteran status is used. It is coded as "1" for yes, served in the military, and "0" for no.

The spouse variable SwVETRN is taken from the Wave "w" spouse's self-reported veteran status, i.e., from the Wave "w" spouse's RAVETRN.

Cross Wave Differences in Original HRS Data

The question about military service is only asked at the Respondent's first interview.

In Waves 1 and 2H the question wording is:

"Have you ever been in the active military service?"

From Wave 3H forward, and from Wave 2A of the AHEAD sample forward, the question wording is:

"Have you ever served in the active military of the United States?"

HRS Variables Used

```
HRS 1992:
    V222            A9:EVER IN MILITARY
AHEAD 1993:
    B146            A10. MILITARY SERVICE
HRS 1994:
    W234            A17. Ever in Military
AHEAD 1995:
    D670            A10.MILITARY
HRS 1996:
    E670            A10.MILITARY
HRS 1998:
    F1008           A10.MILITARY
HRS 2000:
    G1095           A10.MILITARY
HRS 2002-2022:
    xB035           R SERVED IN MILITARY
```

Place of birth

Wave	Variable Name	Variable Label	Type
1	RABPLACE	RABPLACE: R Place of Birth (Cens Region)	Categ
1	S1BPLACE	S1BPLACE: S Place of Birth (Cens Region)	Categ
2	S2BPLACE	S2BPLACE: S Place of Birth (Cens Region)	Categ
3	S3BPLACE	S3BPLACE: S Place of Birth (Cens Region)	Categ
4	S4BPLACE	S4BPLACE: S Place of Birth (Cens Region)	Categ
5	S5BPLACE	S5BPLACE: S Place of Birth (Cens Region)	Categ
6	S6BPLACE	S6BPLACE: S Place of Birth (Cens Region)	Categ
7	S7BPLACE	S7BPLACE: S Place of Birth (Cens Region)	Categ
8	S8BPLACE	S8BPLACE: S Place of Birth (Cens Region)	Categ
9	S9BPLACE	S9BPLACE: S Place of Birth (Cens Region)	Categ
10	S10BPLACE	S10BPLACE: S Place of Birth (Cens Region)	Categ
11	S11BPLACE	S11BPLACE: S Place of Birth (Cens Region)	Categ
12	S12BPLACE	S12BPLACE: S Place of Birth (Cens Region)	Categ
13	S13BPLACE	S13BPLACE: S Place of Birth (Cens Region)	Categ
14	S14BPLACE	S14BPLACE: S Place of Birth (Cens Region)	Categ
15	S15BPLACE	S15BPLACE: S Place of Birth (Cens Region)	Categ
16	S16BPLACE	S16BPLACE: S Place of Birth (Cens Region)	Categ
1	RABPLACF	RABPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
1	S1BPLACF	S1BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
2	S2BPLACF	S2BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
3	S3BPLACF	S3BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
4	S4BPLACF	S4BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
5	S5BPLACF	S5BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
6	S6BPLACF	S6BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
7	S7BPLACF	S7BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
8	S8BPLACF	S8BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
9	S9BPLACF	S9BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
10	S10BPLACF	S10BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
11	S11BPLACF	S11BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
12	S12BPLACF	S12BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
13	S13BPLACF	S13BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
14	S14BPLACF	S14BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
15	S15BPLACF	S15BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
16	S16BPLACF	S16BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RABPLACE	45126	5.95	3.62	1.0	13.0
S1BPLACE	10121	5.46	3.29	1.0	13.0
S2BPLACE	13435	5.33	3.28	1.0	13.0
S3BPLACE	12169	5.33	3.28	1.0	13.0
S4BPLACE	14335	5.29	3.24	1.0	13.0
S5BPLACE	12936	5.31	3.27	1.0	13.0
S6BPLACE	11771	5.33	3.28	1.0	13.0
S7BPLACE	13208	5.45	3.40	1.0	13.0
S8BPLACE	11932	5.41	3.37	1.0	13.0
S9BPLACE	10884	5.46	3.40	1.0	13.0
S10BPLACE	13920	5.99	3.71	1.0	13.0
S11BPLACE	12844	6.04	3.73	1.0	13.0
S12BPLACE	11385	6.11	3.78	1.0	13.0
S13BPLACE	12277	6.37	3.88	1.0	13.0
S14BPLACE	10012	6.37	3.89	1.0	13.0
S15BPLACE	9119	6.39	3.93	1.0	13.0

S16BPLACE	8418	6.59	3.98	1.0	13.0
RABPLACF	45165	0.02	0.26	0.0	4.0
S1BPLACF	10279	0.02	0.30	0.0	4.0
S2BPLACF	13610	0.01	0.24	0.0	4.0
S3BPLACF	12269	0.02	0.26	0.0	4.0
S4BPLACF	14454	0.01	0.22	0.0	4.0
S5BPLACF	13007	0.01	0.23	0.0	4.0
S6BPLACF	11822	0.01	0.23	0.0	4.0
S7BPLACF	13307	0.01	0.23	0.0	4.0
S8BPLACF	12002	0.01	0.23	0.0	4.0
S9BPLACF	10953	0.01	0.23	0.0	4.0
S10BPLACF	14145	0.01	0.21	0.0	4.0
S11BPLACF	12986	0.01	0.22	0.0	4.0
S12BPLACF	11521	0.01	0.21	0.0	4.0
S13BPLACF	12688	0.01	0.20	0.0	4.0
S14BPLACF	10267	0.01	0.18	0.0	4.0
S15BPLACF	9367	0.01	0.19	0.0	4.0
S16BPLACF	8986	0.03	0.34	0.0	4.0

Categorical Variable Codes

RABPLACE: R Place of Birth (Cens Region)

Value	
.M=Missing	39
1.New England	1771
2.Mid Atlantic	5863
3.EN Central	7076
4.WN Central	3576
5.S Atlantic	6931
6.ES Central	3663
7.WS Central	4492
8.Mountain	1448
9.Pacific	2711
10.US/NA Division	991
11.Foreign Country or US te	181
12.US territory	104
13.Foreign Country	6319

SwBPLACE: S Place of Birth (Cens Region)

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Missing	1	32	25	21	18	16	15	17	12	12
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	157	207	140	160	87	72	129	103	115	305
1.New England	408	584	517	653	598	516	605	547	495	559
2.Mid Atlantic	1423	2025	1844	2114	1903	1699	1802	1649	1463	1723
3.EN Central	1612	2308	2113	2546	2303	2143	2493	2262	2101	2434
4.WN Central	1005	1385	1279	1531	1401	1280	1403	1287	1166	1254
5.S Atlantic	1712	2081	1836	2184	1924	1724	1863	1618	1476	1818
6.ES Central	985	1176	1046	1172	1034	943	990	905	807	1005
7.WS Central	1033	1384	1248	1453	1326	1198	1225	1162	1030	1299
8.Mountain	335	437	407	483	435	398	482	432	399	486
9.Pacific	494	667	622	809	715	679	832	760	702	988
10.US/NA Division	10	34	28	30	24	19	27	21	19	151
11.Foreign Country or US te	56	49	50	43	41	39	41	37	36	38
12.US territory	11	5	7	8	7	9	20	15	13	28
13.Foreign Country	1037	1300	1172	1309	1225	1124	1425	1237	1177	2137

Value	w11	w12	w13	w14	w15	w16
.M=Missing	7	6	5	4	3	2
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	230	231	606	446	399	820
1.New England	505	435	430	363	324	286
2.Mid Atlantic	1567	1389	1461	1198	1118	975
3.EN Central	2219	1982	1960	1617	1486	1347
4.WN Central	1146	985	954	750	690	592
5.S Atlantic	1675	1448	1620	1304	1199	1046
6.ES Central	958	839	886	728	609	555
7.WS Central	1159	987	1038	840	703	655
8.Mountain	461	399	428	337	314	303
9.Pacific	917	834	921	773	717	670
10.US/NA Division	148	142	210	166	149	165
11.Foreign Country or US te	38	31	32	21	20	55
12.US territory	23	24	31	27	24	25
13.Foreign Country	2028	1890	2306	1888	1766	1744

RABPLACF: Flag diff RABPLACE/USBORN(trk)

Value	
0.No Discrepancy	44954
1.Trk=US/RABPLACE=Outside U	1
2.Trk=not US/RABPLACE=US	3
3.Trk=miss/RABPLACE=Valid C	26
4.Trk=any/RABPLACE=US terri	181

SwBPLACF: Flag diff RABPLACE/USBORN(trk)

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		64	65	62	34	37	45	50	58	92
0.No Discrepancy	10221	13559	12217	14409	12964	11781	13262	11962	10915	14105
1.Trk=US/RABPLACE=Outside U										
2.Trk=not US/RABPLACE=US	2	2	1	1	1	1	1	1	1	1
3.Trk=miss/RABPLACE=Valid C			1	1	1	1	3	2	1	1
4.Trk=any/RABPLACE=US terri	56	49	50	43	41	39	41	37	36	38

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6684	6202	6547
.V=Spouse NR	95	101	200	195	154	254
0.No Discrepancy	12946	11487	12654	10244	9344	8911
1.Trk=US/RABPLACE=Outside U		1				1
2.Trk=not US/RABPLACE=US	1	1	1	1	1	1
3.Trk=miss/RABPLACE=Valid C	1	1	1	1	2	18
4.Trk=any/RABPLACE=US terri	38	31	32	21	20	55

Format Reference Tables – complete variable value labels

Variables: BPLACF

.U=Unmarried
.V=Spouse NR
0.No Discrepancy
1.Trk=US/RABPLACE=Outside US
2.Trk=not US/RABPLACE=US
3.Trk=miss/RABPLACE=Valid Census Division
4.Trk=any/RABPLACE=US territory or out US

How Constructed

RABPLACE indicates the Respondent's birthplace. It is assigned by looking at all waves of data for the first non-missing value. Place of birth is reported as Census Division. A code of 10 indicates in the US states, but without the Census Division information. A code of 11 indicates not in the US states, including foreign countries and US territories. A code of 12 indicates a US territory. A code of 13 indicates foreign countries.

In Wave 2A of AHEAD, the Census Division is not available; only whether the Respondent was born in the US or not. This is used to set the birthplace to code 10 or 11.

The HRS Region file also provides the Census Division of birthplace in the variable REGIONB. If RABPLACE is missing or 10, and a more specific Census Division is available from this source, we use it to fill RABPLACE.

There are some cases where REGIONB is 05, a valid Census Division, but the core data indicate that the Respondent is foreign-born (RABPLACE=11). For these cases we leave RABPLACE as coded in the core data, i.e., as foreign-born. Note that a code of 5 typically means "No" in the HRS.

We compare RABPLACE to the USBORN variable on the Tracker file and code the results in RABPLACF. There are cases where USBORN indicates that the Respondent was born in the U.S., but the birth place given in the core data and Region file is coded foreign-born. There are also cases where USBORN indicates that the Respondent was born outside the U.S., but the core and Region file

indicate a U.S. Census Division. In these cases we use the birth place coded in the core data, but indicate the discrepancy in RABPLACF.

The spouse's variable SwBPLACE is taken from the Wave "w" spouse's self-reported birthplace, i.e., from the Wave "w" spouse's RABPLACE.

Cross Wave Differences in Original HRS Data

The first time a Respondent is interviewed, the HRS survey asks where they were born. Those born in the U.S. are asked which state, and those born outside the U.S. are asked which country.

In the public use data files, there is one variable which codes whether the Respondent is U.S.-born, and another in which the state or country of birth is masked; that is, recoded to one variable indicating the Census Region of birth, with a code for non-U.S. birthplaces.

In Wave 2A of AHEAD, only the first variable, whether the Respondent is U.S.-born, is available. In all other waves, the Census Region is also available.

There is also a variable available from the HRS Region file (REGIONB). Additionally, the Tracker file also carries a variable based on whether the Respondent reports being born in the U.S. (USBORN).

HRS Variables Used

```
HRS 1992:
    V205            A2AB:WHERE BORN
AHEAD 1993:
    B117            A2. BORN US?
HRS 1994:
    W216            A12a/b. State/Country of Birth
AHEAD 1995:
    D639            A2.BORN US?
    D640M           A2A. REGION - US BORN
HRS 1996:
    E639            A2.BORN US?
    E640M           A2A. REGION - US BORN
HRS 1998:
    F971            A2.BORN US?
    F972M           A2A.REGION - US BORN
HRS 2000:
    G1060           A2.BORN US?
    G1061M          A2A.REGION - US BORN
HRS 2002-2022:
    xB002           BORN IN US
    xB003M          STATE BORN - MASKED
Tracker:
    USBORN              BORN IN THE U.S.
Region:
    REGIONB         CENSUS REGION-DIVISION OF BIRTH
```

Parental mortality

Wave	Variable Name	Variable Label	Type
1	R1MOMLIV	R1MOMLIV:W1 Mother alive	Categ
2	R2MOMLIV	R2MOMLIV:W2 Mother alive	Categ
3	R3MOMLIV	R3MOMLIV:W3 Mother alive	Categ
4	R4MOMLIV	R4MOMLIV:W4 Mother alive	Categ
5	R5MOMLIV	R5MOMLIV:W5 Mother alive	Categ
6	R6MOMLIV	R6MOMLIV:W6 Mother alive	Categ
7	R7MOMLIV	R7MOMLIV:W7 Mother alive	Categ
8	R8MOMLIV	R8MOMLIV:W8 Mother alive	Categ
9	R9MOMLIV	R9MOMLIV:W9 Mother alive	Categ
10	R10MOMLIV	R10MOMLIV:W10 Mother alive	Categ
11	R11MOMLIV	R11MOMLIV:W11 Mother alive	Categ
12	R12MOMLIV	R12MOMLIV:W12 Mother alive	Categ
13	R13MOMLIV	R13MOMLIV:W13 Mother alive	Categ
14	R14MOMLIV	R14MOMLIV:W14 Mother alive	Categ
15	R15MOMLIV	R15MOMLIV:W15 Mother alive	Categ
16	R16MOMLIV	R16MOMLIV:W16 Mother alive	Categ
1	S1MOMLIV	S1MOMLIV:W1 Mother alive	Categ
2	S2MOMLIV	S2MOMLIV:W2 Mother alive	Categ
3	S3MOMLIV	S3MOMLIV:W3 Mother alive	Categ
4	S4MOMLIV	S4MOMLIV:W4 Mother alive	Categ
5	S5MOMLIV	S5MOMLIV:W5 Mother alive	Categ
6	S6MOMLIV	S6MOMLIV:W6 Mother alive	Categ
7	S7MOMLIV	S7MOMLIV:W7 Mother alive	Categ
8	S8MOMLIV	S8MOMLIV:W8 Mother alive	Categ
9	S9MOMLIV	S9MOMLIV:W9 Mother alive	Categ
10	S10MOMLIV	S10MOMLIV:W10 Mother alive	Categ
11	S11MOMLIV	S11MOMLIV:W11 Mother alive	Categ
12	S12MOMLIV	S12MOMLIV:W12 Mother alive	Categ
13	S13MOMLIV	S13MOMLIV:W13 Mother alive	Categ
14	S14MOMLIV	S14MOMLIV:W14 Mother alive	Categ
15	S15MOMLIV	S15MOMLIV:W15 Mother alive	Categ
16	S16MOMLIV	S16MOMLIV:W16 Mother alive	Categ
1	R1DADLIV	R1DADLIV:W1 Father alive	Categ
2	R2DADLIV	R2DADLIV:W2 Father alive	Categ
3	R3DADLIV	R3DADLIV:W3 Father alive	Categ
4	R4DADLIV	R4DADLIV:W4 Father alive	Categ
5	R5DADLIV	R5DADLIV:W5 Father alive	Categ
6	R6DADLIV	R6DADLIV:W6 Father alive	Categ
7	R7DADLIV	R7DADLIV:W7 Father alive	Categ
8	R8DADLIV	R8DADLIV:W8 Father alive	Categ
9	R9DADLIV	R9DADLIV:W9 Father alive	Categ
10	R10DADLIV	R10DADLIV:W10 Father alive	Categ
11	R11DADLIV	R11DADLIV:W11 Father alive	Categ
12	R12DADLIV	R12DADLIV:W12 Father alive	Categ
13	R13DADLIV	R13DADLIV:W13 Father alive	Categ
14	R14DADLIV	R14DADLIV:W14 Father alive	Categ
15	R15DADLIV	R15DADLIV:W15 Father alive	Categ
16	R16DADLIV	R16DADLIV:W16 Father alive	Categ
1	S1DADLIV	S1DADLIV:W1 Father alive	Categ
2	S2DADLIV	S2DADLIV:W2 Father alive	Categ
3	S3DADLIV	S3DADLIV:W3 Father alive	Categ
4	S4DADLIV	S4DADLIV:W4 Father alive	Categ
5	S5DADLIV	S5DADLIV:W5 Father alive	Categ
6	S6DADLIV	S6DADLIV:W6 Father alive	Categ
7	S7DADLIV	S7DADLIV:W7 Father alive	Categ
8	S8DADLIV	S8DADLIV:W8 Father alive	Categ
9	S9DADLIV	S9DADLIV:W9 Father alive	Categ
10	S10DADLIV	S10DADLIV:W10 Father alive	Categ
11	S11DADLIV	S11DADLIV:W11 Father alive	Categ
12	S12DADLIV	S12DADLIV:W12 Father alive	Categ
13	S13DADLIV	S13DADLIV:W13 Father alive	Categ
14	S14DADLIV	S14DADLIV:W14 Father alive	Categ
15	S15DADLIV	S15DADLIV:W15 Father alive	Categ

16	S16DADLIV	S16DADLIV:W16 Father alive	Categ
1	R1LIVPAR	R1LIVPAR:W1 Number of living parents	Cont
2	R2LIVPAR	R2LIVPAR:W2 Number of living parents	Cont
3	R3LIVPAR	R3LIVPAR:W3 Number of living parents	Cont
4	R4LIVPAR	R4LIVPAR:W4 Number of living parents	Cont
5	R5LIVPAR	R5LIVPAR:W5 Number of living parents	Cont
6	R6LIVPAR	R6LIVPAR:W6 Number of living parents	Cont
7	R7LIVPAR	R7LIVPAR:W7 Number of living parents	Cont
8	R8LIVPAR	R8LIVPAR:W8 Number of living parents	Cont
9	R9LIVPAR	R9LIVPAR:W9 Number of living parents	Cont
10	R10LIVPAR	R10LIVPAR:W10 Number of living parents	Cont
11	R11LIVPAR	R11LIVPAR:W11 Number of living parents	Cont
12	R12LIVPAR	R12LIVPAR:W12 Number of living parents	Cont
13	R13LIVPAR	R13LIVPAR:W13 Number of living parents	Cont
14	R14LIVPAR	R14LIVPAR:W14 Number of living parents	Cont
15	R15LIVPAR	R15LIVPAR:W15 Number of living parents	Cont
16	R16LIVPAR	R16LIVPAR:W16 Number of living parents	Cont
1	S1LIVPAR	S1LIVPAR:W1 Number of living parents	Cont
2	S2LIVPAR	S2LIVPAR:W2 Number of living parents	Cont
3	S3LIVPAR	S3LIVPAR:W3 Number of living parents	Cont
4	S4LIVPAR	S4LIVPAR:W4 Number of living parents	Cont
5	S5LIVPAR	S5LIVPAR:W5 Number of living parents	Cont
6	S6LIVPAR	S6LIVPAR:W6 Number of living parents	Cont
7	S7LIVPAR	S7LIVPAR:W7 Number of living parents	Cont
8	S8LIVPAR	S8LIVPAR:W8 Number of living parents	Cont
9	S9LIVPAR	S9LIVPAR:W9 Number of living parents	Cont
10	S10LIVPAR	S10LIVPAR:W10 Number of living parents	Cont
11	S11LIVPAR	S11LIVPAR:W11 Number of living parents	Cont
12	S12LIVPAR	S12LIVPAR:W12 Number of living parents	Cont
13	S13LIVPAR	S13LIVPAR:W13 Number of living parents	Cont
14	S14LIVPAR	S14LIVPAR:W14 Number of living parents	Cont
15	S15LIVPAR	S15LIVPAR:W15 Number of living parents	Cont
16	S16LIVPAR	S16LIVPAR:W16 Number of living parents	Cont
1	R1MOMAGE	R1MOMAGE:W1 Mother age current/at death	Cont
2	R2MOMAGE	R2MOMAGE:W2 Mother age current/at death	Cont
3	R3MOMAGE	R3MOMAGE:W3 Mother age current/at death	Cont
4	R4MOMAGE	R4MOMAGE:W4 Mother age current/at death	Cont
5	R5MOMAGE	R5MOMAGE:W5 Mother age current/at death	Cont
6	R6MOMAGE	R6MOMAGE:W6 Mother age current/at death	Cont
7	R7MOMAGE	R7MOMAGE:W7 Mother age current/at death	Cont
8	R8MOMAGE	R8MOMAGE:W8 Mother age current/at death	Cont
9	R9MOMAGE	R9MOMAGE:W9 Mother age current/at death	Cont
10	R10MOMAGE	R10MOMAGE:W10 Mother age current/at death	Cont
11	R11MOMAGE	R11MOMAGE:W11 Mother age current/at death	Cont
12	R12MOMAGE	R12MOMAGE:W12 Mother age current/at death	Cont
13	R13MOMAGE	R13MOMAGE:W13 Mother age current/at death	Cont
14	R14MOMAGE	R14MOMAGE:W14 Mother age current/at death	Cont
15	R15MOMAGE	R15MOMAGE:W15 Mother age current/at death	Cont
16	R16MOMAGE	R16MOMAGE:W16 Mother age current/at death	Cont
1	S1MOMAGE	S1MOMAGE:W1 Mother age current/at death	Cont
2	S2MOMAGE	S2MOMAGE:W2 Mother age current/at death	Cont
3	S3MOMAGE	S3MOMAGE:W3 Mother age current/at death	Cont
4	S4MOMAGE	S4MOMAGE:W4 Mother age current/at death	Cont
5	S5MOMAGE	S5MOMAGE:W5 Mother age current/at death	Cont
6	S6MOMAGE	S6MOMAGE:W6 Mother age current/at death	Cont
7	S7MOMAGE	S7MOMAGE:W7 Mother age current/at death	Cont
8	S8MOMAGE	S8MOMAGE:W8 Mother age current/at death	Cont
9	S9MOMAGE	S9MOMAGE:W9 Mother age current/at death	Cont
10	S10MOMAGE	S10MOMAGE:W10 Mother age current/at death	Cont
11	S11MOMAGE	S11MOMAGE:W11 Mother age current/at death	Cont
12	S12MOMAGE	S12MOMAGE:W12 Mother age current/at death	Cont
13	S13MOMAGE	S13MOMAGE:W13 Mother age current/at death	Cont
14	S14MOMAGE	S14MOMAGE:W14 Mother age current/at death	Cont
15	S15MOMAGE	S15MOMAGE:W15 Mother age current/at death	Cont
16	S16MOMAGE	S16MOMAGE:W16 Mother age current/at death	Cont
1	R1DADAGE	R1DADAGE:W1 Father age current/at death	Cont
2	R2DADAGE	R2DADAGE:W2 Father age current/at death	Cont

3	R3DADAGE	R3DADAGE:W3 Father age current/at death	Cont
4	R4DADAGE	R4DADAGE:W4 Father age current/at death	Cont
5	R5DADAGE	R5DADAGE:W5 Father age current/at death	Cont
6	R6DADAGE	R6DADAGE:W6 Father age current/at death	Cont
7	R7DADAGE	R7DADAGE:W7 Father age current/at death	Cont
8	R8DADAGE	R8DADAGE:W8 Father age current/at death	Cont
9	R9DADAGE	R9DADAGE:W9 Father age current/at death	Cont
10	R10DADAGE	R10DADAGE:W10 Father age current/at death	Cont
11	R11DADAGE	R11DADAGE:W11 Father age current/at death	Cont
12	R12DADAGE	R12DADAGE:W12 Father age current/at death	Cont
13	R13DADAGE	R13DADAGE:W13 Father age current/at death	Cont
14	R14DADAGE	R14DADAGE:W14 Father age current/at death	Cont
15	R15DADAGE	R15DADAGE:W15 Father age current/at death	Cont
16	R16DADAGE	R16DADAGE:W16 Father age current/at death	Cont
1	S1DADAGE	S1DADAGE:W1 Father age current/at death	Cont
2	S2DADAGE	S2DADAGE:W2 Father age current/at death	Cont
3	S3DADAGE	S3DADAGE:W3 Father age current/at death	Cont
4	S4DADAGE	S4DADAGE:W4 Father age current/at death	Cont
5	S5DADAGE	S5DADAGE:W5 Father age current/at death	Cont
6	S6DADAGE	S6DADAGE:W6 Father age current/at death	Cont
7	S7DADAGE	S7DADAGE:W7 Father age current/at death	Cont
8	S8DADAGE	S8DADAGE:W8 Father age current/at death	Cont
9	S9DADAGE	S9DADAGE:W9 Father age current/at death	Cont
10	S10DADAGE	S10DADAGE:W10 Father age current/at death	Cont
11	S11DADAGE	S11DADAGE:W11 Father age current/at death	Cont
12	S12DADAGE	S12DADAGE:W12 Father age current/at death	Cont
13	S13DADAGE	S13DADAGE:W13 Father age current/at death	Cont
14	S14DADAGE	S14DADAGE:W14 Father age current/at death	Cont
15	S15DADAGE	S15DADAGE:W15 Father age current/at death	Cont
16	S16DADAGE	S16DADAGE:W16 Father age current/at death	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1MOMLIV	12484	0.44	0.50	0.0	1.0
R2MOMLIV	19504	0.24	0.43	0.0	1.0
R3MOMLIV	17829	0.21	0.41	0.0	1.0
R4MOMLIV	21168	0.22	0.41	0.0	1.0
R5MOMLIV	19321	0.19	0.39	0.0	1.0
R6MOMLIV	17923	0.17	0.38	0.0	1.0
R7MOMLIV	19902	0.22	0.41	0.0	1.0
R8MOMLIV	18258	0.19	0.39	0.0	1.0
R9MOMLIV	17025	0.17	0.38	0.0	1.0
R10MOMLIV	21788	0.26	0.44	0.0	1.0
R11MOMLIV	20372	0.24	0.42	0.0	1.0
R12MOMLIV	18527	0.21	0.41	0.0	1.0
R13MOMLIV	20763	0.27	0.44	0.0	1.0
R14MOMLIV	17026	0.24	0.43	0.0	1.0
R15MOMLIV	15606	0.21	0.41	0.0	1.0
R16MOMLIV	15665	0.22	0.42	0.0	1.0
S1MOMLIV	10120	0.44	0.50	0.0	1.0
S2MOMLIV	13325	0.28	0.45	0.0	1.0
S3MOMLIV	12099	0.25	0.43	0.0	1.0
S4MOMLIV	14247	0.26	0.44	0.0	1.0
S5MOMLIV	12760	0.23	0.42	0.0	1.0
S6MOMLIV	11538	0.20	0.40	0.0	1.0
S7MOMLIV	12951	0.25	0.44	0.0	1.0
S8MOMLIV	11734	0.23	0.42	0.0	1.0
S9MOMLIV	10683	0.20	0.40	0.0	1.0

S10MOMLIV	13584	0.29	0.45	0.0	1.0
S11MOMLIV	12599	0.26	0.44	0.0	1.0
S12MOMLIV	11115	0.24	0.43	0.0	1.0
S13MOMLIV	11994	0.30	0.46	0.0	1.0
S14MOMLIV	9722	0.27	0.44	0.0	1.0
S15MOMLIV	8836	0.23	0.42	0.0	1.0
S16MOMLIV	8143	0.23	0.42	0.0	1.0
R1DADLIV	12329	0.19	0.39	0.0	1.0
R2DADLIV	19478	0.09	0.29	0.0	1.0
R3DADLIV	17852	0.08	0.27	0.0	1.0
R4DADLIV	21138	0.09	0.28	0.0	1.0
R5DADLIV	19456	0.08	0.27	0.0	1.0
R6DADLIV	18065	0.06	0.25	0.0	1.0
R7DADLIV	20006	0.10	0.30	0.0	1.0
R8DADLIV	18369	0.08	0.27	0.0	1.0
R9DADLIV	17121	0.07	0.26	0.0	1.0
R10DADLIV	21793	0.13	0.34	0.0	1.0
R11DADLIV	20426	0.11	0.32	0.0	1.0
R12DADLIV	18599	0.10	0.30	0.0	1.0
R13DADLIV	20745	0.14	0.35	0.0	1.0
R14DADLIV	17037	0.12	0.33	0.0	1.0
R15DADLIV	15631	0.10	0.30	0.0	1.0
R16DADLIV	15625	0.11	0.31	0.0	1.0
S1DADLIV	10006	0.19	0.40	0.0	1.0
S2DADLIV	13303	0.11	0.32	0.0	1.0
S3DADLIV	12123	0.09	0.29	0.0	1.0
S4DADLIV	14229	0.11	0.31	0.0	1.0
S5DADLIV	12900	0.10	0.30	0.0	1.0
S6DADLIV	11688	0.08	0.27	0.0	1.0
S7DADLIV	13055	0.12	0.32	0.0	1.0
S8DADLIV	11844	0.10	0.30	0.0	1.0
S9DADLIV	10799	0.09	0.28	0.0	1.0
S10DADLIV	13611	0.15	0.36	0.0	1.0
S11DADLIV	12688	0.13	0.34	0.0	1.0
S12DADLIV	11211	0.12	0.32	0.0	1.0
S13DADLIV	12020	0.16	0.37	0.0	1.0
S14DADLIV	9786	0.14	0.35	0.0	1.0
S15DADLIV	8923	0.11	0.32	0.0	1.0
S16DADLIV	8207	0.12	0.32	0.0	1.0
R1LIVPAR	12315	0.62	0.69	0.0	2.0
R2LIVPAR	19426	0.33	0.58	0.0	2.0
R3LIVPAR	17745	0.29	0.54	0.0	2.0
R4LIVPAR	21061	0.31	0.56	0.0	2.0
R5LIVPAR	19255	0.27	0.54	0.0	2.0
R6LIVPAR	17872	0.23	0.50	0.0	2.0
R7LIVPAR	19825	0.32	0.58	0.0	2.0
R8LIVPAR	18195	0.27	0.55	0.0	2.0
R9LIVPAR	16962	0.24	0.52	0.0	2.0
R10LIVPAR	21625	0.39	0.64	0.0	2.0
R11LIVPAR	20278	0.35	0.61	0.0	2.0
R12LIVPAR	18420	0.31	0.58	0.0	2.0
R13LIVPAR	20641	0.41	0.66	0.0	2.0
R14LIVPAR	16944	0.37	0.62	0.0	2.0
R15LIVPAR	15542	0.32	0.58	0.0	2.0
R16LIVPAR	15551	0.33	0.60	0.0	2.0

S1LIVPAR	9996	0.63	0.70	0.0	2.0
S2LIVPAR	13253	0.40	0.62	0.0	2.0
S3LIVPAR	12025	0.34	0.58	0.0	2.0
S4LIVPAR	14162	0.37	0.61	0.0	2.0
S5LIVPAR	12711	0.33	0.58	0.0	2.0
S6LIVPAR	11489	0.28	0.55	0.0	2.0
S7LIVPAR	12879	0.37	0.62	0.0	2.0
S8LIVPAR	11678	0.33	0.59	0.0	2.0
S9LIVPAR	10631	0.29	0.56	0.0	2.0
S10LIVPAR	13437	0.44	0.67	0.0	2.0
S11LIVPAR	12519	0.39	0.64	0.0	2.0
S12LIVPAR	11020	0.36	0.62	0.0	2.0
S13LIVPAR	11867	0.45	0.68	0.0	2.0
S14LIVPAR	9614	0.40	0.65	0.0	2.0
S15LIVPAR	8752	0.34	0.60	0.0	2.0
S16LIVPAR	8049	0.35	0.61	0.0	2.0
R1MOMAGE	12483	72.53	13.20	16.0	95.0
R2MOMAGE	18893	73.55	15.11	16.0	110.0
R3MOMAGE	17362	74.08	15.23	16.0	110.0
R4MOMAGE	20590	74.61	14.92	15.0	113.0
R5MOMAGE	18820	74.97	15.07	15.0	113.0
R6MOMAGE	17522	75.34	15.17	16.0	110.0
R7MOMAGE	19514	75.21	14.72	16.0	113.0
R8MOMAGE	17924	75.74	14.82	16.0	113.0
R9MOMAGE	16742	76.17	14.85	16.0	113.0
R10MOMAGE	21466	75.51	14.23	16.0	113.0
R11MOMAGE	20088	76.00	14.35	16.0	114.0
R12MOMAGE	18284	76.41	14.42	16.0	114.0
R13MOMAGE	20518	75.99	13.97	17.0	114.0
R14MOMAGE	16849	76.55	14.14	17.0	114.0
R15MOMAGE	15457	77.13	14.16	12.0	116.0
R16MOMAGE	15515	77.05	14.11	17.0	114.0
S1MOMAGE	10116	72.62	13.03	17.0	95.0
S2MOMAGE	13065	73.79	14.50	17.0	110.0
S3MOMAGE	11880	74.38	14.62	17.0	110.0
S4MOMAGE	13900	74.80	14.40	17.0	113.0
S5MOMAGE	12468	75.16	14.55	17.0	113.0
S6MOMAGE	11316	75.72	14.61	17.0	110.0
S7MOMAGE	12726	75.51	14.13	16.0	113.0
S8MOMAGE	11544	76.06	14.25	16.0	110.0
S9MOMAGE	10518	76.57	14.29	16.0	110.0
S10MOMAGE	13416	75.79	13.78	16.0	110.0
S11MOMAGE	12441	76.31	13.88	16.0	110.0
S12MOMAGE	10983	76.78	13.90	16.0	110.0
S13MOMAGE	11865	76.28	13.60	16.0	110.0
S14MOMAGE	9633	76.78	13.75	17.0	110.0
S15MOMAGE	8757	77.41	13.77	18.0	116.0
S16MOMAGE	8075	77.55	13.61	18.0	116.0
R1DADAGE	12321	69.88	13.61	16.0	95.0
R2DADAGE	18566	70.64	14.35	16.0	110.0
R3DADAGE	17123	70.78	14.48	16.0	116.0
R4DADAGE	20146	71.03	14.32	19.0	107.0
R5DADAGE	18606	71.24	14.37	19.0	107.0
R6DADAGE	17339	71.40	14.46	19.0	107.0
R7DADAGE	19216	71.49	14.19	12.0	110.0
R8DADAGE	17673	71.62	14.29	12.0	110.0

R9DADAGE	16500	71.87	14.42	12.0	110.0
R10DADAGE	20976	71.87	14.08	12.0	110.0
R11DADAGE	19668	72.06	14.27	12.0	110.0
R12DADAGE	17928	72.27	14.39	12.0	110.0
R13DADAGE	19984	72.32	14.26	12.0	110.0
R14DADAGE	16416	72.63	14.43	12.0	110.0
R15DADAGE	15069	73.07	14.49	12.0	111.0
R16DADAGE	15018	73.20	14.42	12.0	110.0
S1DADAGE	9997	70.04	13.44	16.0	95.0
S2DADAGE	12908	70.60	14.10	16.0	105.0
S3DADAGE	11766	70.73	14.23	16.0	116.0
S4DADAGE	13650	71.02	14.09	19.0	106.0
S5DADAGE	12436	71.33	14.12	19.0	106.0
S6DADAGE	11312	71.49	14.25	19.0	106.0
S7DADAGE	12634	71.69	13.96	12.0	110.0
S8DADAGE	11480	71.87	14.07	12.0	110.0
S9DADAGE	10480	72.15	14.20	12.0	110.0
S10DADAGE	13211	72.06	13.88	12.0	110.0
S11DADAGE	12290	72.27	14.06	12.0	110.0
S12DADAGE	10876	72.62	14.24	12.0	110.0
S13DADAGE	11660	72.68	14.11	12.0	110.0
S14DADAGE	9488	72.92	14.37	12.0	110.0
S15DADAGE	8649	73.40	14.42	12.0	111.0
S16DADAGE	7940	73.51	14.40	12.0	107.0

Categorical Variable Codes

RwMOMLIV: Mother alive

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	25	17	5	14	12	11	13	13	8	18
.M=Missing	143	118	156	197	244	226	213	197	184	227
.R=RF		3	1	5	1	5	1	1		1
0.No	7051	14858	14051	16488	15595	14885	15572	14779	14134	16150
1.Yes	5433	4646	3778	4680	3726	3038	4330	3479	2891	5638

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	13	11	13	8	11	14
.M=Missing	169	209	135	111	106	105
.R=RF			1	1		3
0.No	15579	14585	15174	12890	12251	12162
1.Yes	4793	3942	5589	4136	3355	3503

SwMOMLIV: Mother alive

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	21	12	6	12	10	7	10	7	7	13
.M=Missing	138	335	227	252	270	203	181	157	141	173
.R=RF		2	2	5	1	4		1		1
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR						107	210	153	180	466
0.No	5652	9545	9071	10545	9845	9224	9661	9093	8523	9629
1.Yes	4468	3780	3028	3702	2915	2314	3290	2641	2160	3955

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	9	4	5	4	5	6
.M=Missing	124	150	88	64	59	50
.R=RF						2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	349	353	801	678	630	1045
0.No	9268	8440	8447	7129	6802	6277
1.Yes	3331	2675	3547	2593	2034	1866

RwDADLIV: Father alive

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	151	50	29	56	32	24	51	38	37	116
.J=Web interview, missing										
.M=Missing	172	101	109	185	89	73	72	61	59	123
.R=RF		13	1	5	1	3		1		2
0.No	10019	17663	16478	19254	17947	16900	18049	16858	15909	18973
1.Yes	2310	1815	1374	1884	1509	1165	1957	1511	1212	2820

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	73	56	99	64	44	94
.J=Web interview, missing					4	1
.M=Missing	53	91	65	42	44	58
.R=RF	2	1	3	3		9
0.No	18132	16759	17807	14948	14042	13920
1.Yes	2294	1840	2938	2089	1589	1705

SwDADLIV: Father alive

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	105	36	22	42	24	15	27	20	23	58
.J=Web interview, missing										
.M=Missing	168	325	185	237	115	58	54	42	36	82
.R=RF		10	4	8	2	3		1		1
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR						95	216	145	153	485
0.No	8055	11786	10984	12657	11637	10738	11497	10645	9850	11550
1.Yes	1951	1517	1139	1572	1263	950	1558	1199	949	2061

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	41	32	49	34	21	42
.J=Web interview, missing					3	1
.M=Missing	32	56	33	23	20	22
.R=RF				1		4
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	320	323	786	624	563	970
0.No	11043	9905	10090	8433	7919	7254
1.Yes	1645	1306	1930	1353	1004	953

How Constructed

RwMOMLIV and RwDADLIV flag whether a Respondent's mother and father, respectively, are still alive. RwLIVPAR counts a Respondent's living parents. It is derived by summing the RwMOMLIV and RwDADLIV variables. If either RwMOMLIV or RwDADLIV is missing, then RwLIVPAR is missing. RwMOMAGE and RwDADAGE are assigned respectively to the Respondent's mother's and the Respondent's father's current age if living or age at death if deceased.

SwMOMLIV, SwDADLIV, SwLIVPAR, SwMOMAGE, and SwDADAGE are the analogous variables for the parents of the Respondent's spouse. If the Respondent is unmarried, they are assigned .U missing values. In waves where the spouse did not provide an interview and the Respondent only reports on their own parents, the spouse variables are assigned .V missing values.

For Waves 1 and 2H, the derivations use preprocessed variables that assign parent and in-law information to Respondents. In Waves 3H, 4, and 5, the derivations use household-level data, taking into account whether the Respondent is the Family Respondent. If the Respondent is the Family Respondent, then parent data are assigned to the Respondent's parent variables and parent-in-law data are assigned to the spouse's parent variables. If the Respondent is not the Family Respondent, then parent-in-law data are assigned to the Respondent's parent variables and parent data are assigned to the Respondent's parent-in-law variables. In Waves 2A and 3A and from Wave 6 forward, parent data are collected from Respondents about their own parents. Information about parents-in-law is assigned from the spouse's report on their own parents.

We fill in missing data where possible using the following logic: If a parent is reported deceased at an interview and the parent data are missing at a subsequent interview, the living status and age at death are carried forward. If a parent is reported alive at an interview with a non-missing age, that age is used to calculate missing age for waves going forward (+ 2 years for each wave) as long as the parent is still reported alive. If a parent is reported alive at an interview and their data are missing at a prior interview, living status is carried back, and reported age is used to calculate age at previous waves (-2 years for each wave).

When carrying early wave data forward or back for Family Respondent reports of in-law data, the spouse IDs are compared to ensure that the information is for the same spouse.

Note that we do not change reported data, so some cases contain some illogical age variation if a Respondent (or their spouse in early waves) gave conflicting information. Additionally, the filling method used in age derivation sometimes creates small inconsistencies. For example, a mother is reported as alive, age 83, in Wave 1, alive in Wave 2 (age not reported), then deceased in

Wave 3 at age 84. In this case, the Wave 2 age would be filled as R2MOMLIV = 85 (2 years added to previous report).

Cross Wave Differences in Original HRS Data

Information about parent mortality and age is reported in the Family Section at each interview. In Waves 1, 2H, 3H, 4, and 5, the designated Family Respondent answers all questions about parents and parents-in-law in a couple household. In Waves 2A and 3A, and from Wave 6 forward, each Respondent answers the questions about their own parents.

In Waves 1 and 2H, the raw HRS data provides parent data in separate sections with observations by parent. In Wave 2H there may be multiple observations per parent. The data may include information on up to 4 parents per household with the Family Respondent's parents and in-laws. In Waves 2A and 3A, and from Wave 6 forward, the raw data provide parent data in Respondent level variables with one observation per Respondent. In Waves 3H, 4 and 5 the raw HRS data provide parent data in household level variables with one observation per household holding information on up to four parents.

Preprocessing of Wave 1 and 2H data collapses the parent-level observations to each Respondent as a set of 4 variables for each measure pertaining to the Respondent's mother, father, mother-in-law, and father-in-law. The process takes into account whether the Respondent is the Family Respondent or not. For Waves 2A and 3A, and from Wave 6 forward, each Respondent provides information about their own mother and father, regardless of who the Family Respondent is. Information about parents-in-law is based on the spouse's responses. In Waves 3H, 4, and 5 the assignment of parent data is adjusted to account for the Respondent's Family Respondent status.

To determine parent living status in Wave 1, a question asks: "Is [your, your spouse/partner's] [mother, father] living now?". At subsequent interviews the question is: "Is [your, your spouse/partner's] [mother, father] still living?". This question is skipped if preloaded information indicates that the Respondent reported that the parent had died at a previous interview.

From Wave 7 forward, the answer is set to "Yes" without asking the question if the parent is a resident in the Respondent's household.

To determine age, if a parent is living, a question asks how old the parent is. If the parent is deceased a question asks how old the parent was when they died. In Waves 1 and 2H the question wordings are: "How old is she/he?" and "How old was he/she when he/she died?". In Waves 2A and 3H, and from Wave 4 forward, the wording is slightly different: "About how old is she/he?" and "About how old was he/she when he/she died?". These questions are skipped if preloaded information indicates that the Respondent reported the parent deceased at a previous interview.

Unlike other waves, Respondents in Wave 2A who either don't recall or refuse to answer the question about their parents' age at death enter into a sequence of two "bracket" questions: ("Was he/she older than 65?"; and "Was he/she older than 85?"). The pattern of responses to these questions is captured in four special missing codes: (.E = died before 65; .F = died between 65-85; and .G = died after 65+; and .H = died after age 85+).

HRS Variables Used

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HRS 1992:
    V8203PF         PARS:ALIVE NOW? /Sp-Prtnr Dad
    V8203PM         PARS:ALIVE NOW? /Sp-Prtnr Mom
    V8203RF         PARS:ALIVE NOW? /Own Dad
    V8203RM         PARS:ALIVE NOW? /Own Mom
    V8205PF         PARS:AGE            :IMP /Sp-Prtnr Dad
    V8205PM         PARS:AGE            :IMP /Sp-Prtnr Mom
    V8205RF         PARS:AGE            :IMP /Own Dad
    V8205RM         PARS:AGE            :IMP /Own Mom
    V8209PF         PARS:AGE WHEN DIED  :IMP /Sp-Prtnr Dad
    V8209PM         PARS:AGE WHEN DIED  :IMP /Sp-Prtnr Mom
    V8209RF         PARS:AGE WHEN DIED  :IMP /Own Dad
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    V8209RM         PARS:AGE WHEN DIED  :IMP /Own Mom
AHEAD 1993:
    B565            D60. MOTHER LIVING
    B566            D61a. MOTHER AGE
    B572            D61c. MOTHER AGE DIED
    B573            D61d. MOTHER AGE DIED DK 65+
    B575            D61e. MOTHER AGE DIED DK 85+
    B576            D62. FATHER LIVING
    B577            D63a. FATHER AGE
    B583            D63c. FATHER AGE DIED
    B584            D63d. FATHER AGE DIED DK 65+
    B586            D63e. FATHER AGE DIED DK 85+
HRS 1994:
    W8201PF         Parent still living? /P Dad
    W8201PM         Parent still living? /P Mom
    W8201RF         Parent still living? /R Dad
    W8201RM         Parent still living? /R Mom
    W8202PF         Parent age /P Dad
    W8202PM         Parent age /P Mom
    W8202RF         Parent age /R Dad
    W8202RM         Parent age /R Mom
    W8206PF         Parent age at death /P Dad
    W8206RF         Parent age at death /R Dad
    W950            E: R Mother Alive Now
    W951            E: R Father Alive Now
    W954            E: S/P Mother Alive Now
    W955            E: S/P Father Alive Now
    W958            EE: R Mother Alive Now
    W959            EE: R Father Alive Now
    W960            EE: S/P Mother Alive Now
    W961            EE: S/P Father Alive Now
AHEAD 1995:
    D1613           D90.MOTHER LIVING
    D1614           D91A.MOTHER AGE
    D1617           D91D. AGE MOTHER DIED
    D1621           D92.FATHER LIVING
    D1622           D93A.FATHER AGE
    D1629           D93C.FATHER AGE DIED
HRS 1996:
    ER1557_1        D90.MOTHER LIVING/Self
    ER1557_2        D90.MOTHER-IN-LAW LIVING/Self
    ER1558_1        D91A.MOTHER AGE/Self
    ER1558_2        D91A.MOTHER-IN-LAW AGE/Self
    ER1561_1        D92A. AGE MOTHER DIED/Self
    ER1561_2        D92A. AGE MOTHER-IN-LAW DIED/Self
    ER1566_1        D93.FATHER LIVING/Self
    ER1566_2        D93.FATHER-IN-LAW LIVING/Self
    ER1567_1        D94A.FATHER AGE/Self
    ER1567_2        D94A.FATHER-IN-LAW AGE/Self
    ER1570_1        D95A.FATHER AGE DIED/Self
    ER1570_2        D95A.FATHER-IN-LAW AGE DIED/Self
    ER1666_1        D145_.CKPT PARENTS ALIVE/Self
    ER1666_2        D145.CKPT PARENTS-IN-LAW ALIVE/Self
HRS 1998:
    F1906           D90.MOTHER LIVING
    F1907           D91A.MOTHER AGE
    F1911           D92A. AGE MOTHER DIED
    F1916           D93.FATHER LIVING
    F1917           D94A.FATHER AGE
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    F1921           D95A.FATHER AGE DIED
    F2068           D90-2.MOTHER-IN-LAW LIVING
    F2069           D91A-2.MOTHER-IN-LAW AGE
    F2073           D92A-2. AGE MOTHER-IN-LAW DIED
    F2078           D93-2.FATHER-IN-LAW LIVING
    F2079           D94A-2.FATHER-IN-LAW AGE
    F2083           D95A-2.FATHER-IN-LAW AGE DIED
HRS 2000:
    G2122           D90.MOTHER LIVING
    G2123           D91A.MOTHER AGE
    G2127           D92A. AGE MOTHER DIED
    G2132           D93.FATHER LIVING
    G2133           D94A.FATHER AGE
    G2137           D95A.FATHER AGE DIED
    G2309           D90-2.MOTHER-IN-LAW LIVING
    G2310           D91A-2.MOTHER-IN-LAW AGE
    G2314           D92A-2. AGE MOTHER-IN-LAW DIED
    G2319           D93-2.FATHER-IN-LAW LIVING
    G2320           D94A-2.FATHER-IN-LAW AGE
    G2324           D95A-2.FATHER-IN-LAW AGE DIED
    G658            CS15Y63.SAME SPOUSE AS LAST WAVE
HRS 2022:
    SF003           MOTHERS PERSONAL NEEDS
    SF009           MOTHER ILLNESS
    SF013           FATHER PERSONAL NEEDS
    SF019           FATHER ILLNESS
HRS 2002-2022:
    xF001           MOTHER ALIVE
    xF002           MOTHERS AGE
    xF006           AGE MOTHER DIED
    xF011           FATHER ALIVE
    xF012           FATHER AGE
    xF016           AGE FATHER DIED
Tracker:
    xFAMR               1992-2022 WHETHER FAMILY RESPONDENT
    xPPN                1992-2022 SPOUSE-PARTNER PERSON NUMBER
```

Section B: Health Status

Self-report of health

Wave	Variable	Label	Type
1	R1SHLT	R1SHLT:W1 Self-report of health	Categ
2	R2SHLT	R2SHLT:W2 Self-report of health	Categ
3	R3SHLT	R3SHLT:W3 Self-report of health	Categ
4	R4SHLT	R4SHLT:W4 Self-report of health	Categ
5	R5SHLT	R5SHLT:W5 Self-report of health	Categ
6	R6SHLT	R6SHLT:W6 Self-report of health	Categ
7	R7SHLT	R7SHLT:W7 Self-report of health	Categ
8	R8SHLT	R8SHLT:W8 Self-report of health	Categ
9	R9SHLT	R9SHLT:W9 Self-report of health	Categ
10	R10SHLT	R10SHLT:W10 Self-report of health	Categ
11	R11SHLT	R11SHLT:W11 Self-report of health	Categ
12	R12SHLT	R12SHLT:W12 Self-report of health	Categ
13	R13SHLT	R13SHLT:W13 Self-report of health	Categ
14	R14SHLT	R14SHLT:W14 Self-report of health	Categ
15	R15SHLT	R15SHLT:W15 Self-report of health	Categ
16	R16SHLT	R16SHLT:W16 Self-report of health	Categ
1	S1SHLT	S1SHLT:W1 Self-report of health	Categ
2	S2SHLT	S2SHLT:W2 Self-report of health	Categ
3	S3SHLT	S3SHLT:W3 Self-report of health	Categ
4	S4SHLT	S4SHLT:W4 Self-report of health	Categ
5	S5SHLT	S5SHLT:W5 Self-report of health	Categ
6	S6SHLT	S6SHLT:W6 Self-report of health	Categ
7	S7SHLT	S7SHLT:W7 Self-report of health	Categ
8	S8SHLT	S8SHLT:W8 Self-report of health	Categ
9	S9SHLT	S9SHLT:W9 Self-report of health	Categ
10	S10SHLT	S10SHLT:W10 Self-report of health	Categ
11	S11SHLT	S11SHLT:W11 Self-report of health	Categ
12	S12SHLT	S12SHLT:W12 Self-report of health	Categ
13	S13SHLT	S13SHLT:W13 Self-report of health	Categ
14	S14SHLT	S14SHLT:W14 Self-report of health	Categ
15	S15SHLT	S15SHLT:W15 Self-report of health	Categ
16	S16SHLT	S16SHLT:W16 Self-report of health	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SHLT	12652	2.58	1.21	1.0	5.0
R2SHLT	19632	2.81	1.19	1.0	5.0
R3SHLT	17984	2.79	1.18	1.0	5.0
R4SHLT	21378	2.92	1.18	1.0	5.0
R5SHLT	19570	2.84	1.16	1.0	5.0
R6SHLT	18154	2.88	1.13	1.0	5.0
R7SHLT	20112	2.88	1.14	1.0	5.0
R8SHLT	18444	2.88	1.13	1.0	5.0
R9SHLT	17203	2.94	1.11	1.0	5.0
R10SHLT	22023	2.89	1.11	1.0	5.0
R11SHLT	20533	2.90	1.10	1.0	5.0
R12SHLT	18731	2.95	1.07	1.0	5.0
R13SHLT	20888	2.95	1.07	1.0	5.0
R14SHLT	17135	2.93	1.05	1.0	5.0
R15SHLT	15704	2.91	1.02	1.0	5.0
R16SHLT	15767	2.95	1.03	1.0	5.0
S1SHLT	9900	2.51	1.17	1.0	5.0
S2SHLT	13086	2.70	1.16	1.0	5.0
S3SHLT	11913	2.69	1.15	1.0	5.0

S4SHLT	13975	2.82	1.15	1.0	5.0
S5SHLT	12726	2.73	1.13	1.0	5.0
S6SHLT	11637	2.75	1.10	1.0	5.0
S7SHLT	12962	2.77	1.12	1.0	5.0
S8SHLT	11723	2.76	1.11	1.0	5.0
S9SHLT	10640	2.83	1.08	1.0	5.0
S10SHLT	13510	2.78	1.09	1.0	5.0
S11SHLT	12473	2.79	1.08	1.0	5.0
S12SHLT	11006	2.85	1.05	1.0	5.0
S13SHLT	11769	2.86	1.04	1.0	5.0
S14SHLT	9354	2.84	1.02	1.0	5.0
S15SHLT	8472	2.82	1.00	1.0	5.0
S16SHLT	7830	2.83	1.00	1.0	5.0

Categorical Variable Codes

RwSHLT: Self-report of health

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	8	3	6	7	8	13	23	11	11	
.J=Web interview, missing										
.M=Oth missing		2					1			
.R=RF	2	2		1	3	4	1	3		
1.Excellent	2807	2982	2664	2633	2473	2049	2363	2032	1550	2190
2.Very good	3481	5241	5078	5467	5652	5080	5476	5261	4881	6394
3.Good	3544	5812	5262	6541	5902	5739	6280	5623	5514	6898
4.Fair	1807	3660	3325	4400	3681	3616	4135	3874	3625	4652
5.Poor	1013	1937	1655	2337	1862	1670	1858	1654	1633	1889

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	15	14	20	8	17	14
.J=Web interview, missing						1
.M=Oth missing	1					
.R=RF	5	2	4	3	2	5
1.Excellent	1929	1484	1702	1308	1110	1141
2.Very good	6056	5255	5698	4883	4608	4372
3.Good	6511	6251	6993	5844	5488	5502
4.Fair	4300	4239	4896	3847	3535	3683
5.Poor	1737	1502	1599	1253	963	1069

SwSHLT: Self-report of health

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		3	2	5	4	2	7	12	5	3
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF		1					3		1	
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
1.Excellent	2293	2166	1926	1871	1769	1498	1718	1502	1076	1495
2.Very good	2848	3819	3618	3887	3984	3580	3857	3627	3276	4325
3.Good	2809	3845	3488	4360	3842	3700	4080	3612	3516	4231
4.Fair	1287	2225	1990	2607	2147	2037	2339	2144	1978	2512
5.Poor	663	1031	891	1250	984	822	968	838	794	947

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	7	6	8	4	5	8
.J=Web interview, missing						1
.M=Oth missing	1					
.R=RF	3		2			1
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Excellent	1307	975	1035	773	657	625
2.Very good	3998	3348	3513	2888	2710	2437
3.Good	4002	3753	4010	3254	2996	2777
4.Fair	2308	2204	2487	1903	1703	1594
5.Poor	858	726	724	536	406	397

How Constructed

RwSHLT is the Respondent's self-reported general health status. Codes range from "1" for Excellent to "5" for Poor. SwSHLT is the Respondent's spouse or partner's self-reported general health status.

RwSHLT is assigned the value of the raw variable except where the missing values for don't know, refused, and other missings are recoded to .D, .R, and .M, respectively.

RwSHLT and SwSHLT are used in the construction of a change in health variable RwSHLTC. Please see "Change in Health" for a description of these measures.

The SwSHLT variables are taken from the Wave "w" spouse's self-reported RwSHLT variables.

Cross Wave Differences in Original HRS Data

In Wave 1 values for self-reported health status are imputed by HRS if missing. These imputations are used. From Wave 2 forward, values are not imputed by HRS.

HRS Variables Used

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HRS 1992:
    V301            B1:RATE CURRENT HEAL:IMP
AHEAD 1993:
    B204            B1. RATE HEALTH
HRS 1994:
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    W301            B1.RATE CURRENT HEALTH
AHEAD 1995:
    D769            B1. RATE HEALTH
HRS 1996:
    E769            B1. RATE HEALTH
HRS 1998:
    F1097           B1. RATE HEALTH
HRS 2000:
    G1226           B1. RATE HEALTH
HRS 2002-2022:
    xC001           RATE HEALTH
```

Self-report of health change

Wave	Variable	Label	Type
1	R1HLTC3	R1HLTC3:W1 Self-report of health change	Categ
2	R2HLTC3	R2HLTC3:W2 Self-report of health change	Categ
3	R3HLTC3	R3HLTC3:W3 Self-report of health change	Categ
4	R4HLTC3	R4HLTC3:W4 Self-report of health change	Categ
5	R5HLTC3	R5HLTC3:W5 Self-report of health change	Categ
6	R6HLTC3	R6HLTC3:W6 Self-report of health change	Categ
7	R7HLTC3	R7HLTC3:W7 Self-report of health change	Categ
8	R8HLTC3	R8HLTC3:W8 Self-report of health change	Categ
9	R9HLTC3	R9HLTC3:W9 Self-report of health change	Categ
10	R10HLTC3	R10HLTC3:W10 Self-report of health change	Categ
11	R11HLTC3	R11HLTC3:W11 Self-report of health change	Categ
12	R12HLTC3	R12HLTC3:W12 Self-report of health change	Categ
13	R13HLTC3	R13HLTC3:W13 Self-report of health change	Categ
14	R14HLTC3	R14HLTC3:W14 Self-report of health change	Categ
15	R15HLTC3	R15HLTC3:W15 Self-report of health change	Categ
16	R16HLTC3	R16HLTC3:W16 Self-report of health change	Categ
1	S1HLTC3	S1HLTC3:W1 Self-report of health change	Categ
2	S2HLTC3	S2HLTC3:W2 Self-report of health change	Categ
3	S3HLTC3	S3HLTC3:W3 Self-report of health change	Categ
4	S4HLTC3	S4HLTC3:W4 Self-report of health change	Categ
5	S5HLTC3	S5HLTC3:W5 Self-report of health change	Categ
6	S6HLTC3	S6HLTC3:W6 Self-report of health change	Categ
7	S7HLTC3	S7HLTC3:W7 Self-report of health change	Categ
8	S8HLTC3	S8HLTC3:W8 Self-report of health change	Categ
9	S9HLTC3	S9HLTC3:W9 Self-report of health change	Categ
10	S10HLTC3	S10HLTC3:W10 Self-report of health change	Categ
11	S11HLTC3	S11HLTC3:W11 Self-report of health change	Categ
12	S12HLTC3	S12HLTC3:W12 Self-report of health change	Categ
13	S13HLTC3	S13HLTC3:W13 Self-report of health change	Categ
14	S14HLTC3	S14HLTC3:W14 Self-report of health change	Categ
15	S15HLTC3	S15HLTC3:W15 Self-report of health change	Categ
16	S16HLTC3	S16HLTC3:W16 Self-report of health change	Categ
1	R1HLTC5	R1HLTC5:W1 Self-report of health change, 5-cat	Categ
2	R2HLTC5	R2HLTC5:W2 Self-report of health change, 5-cat	Categ
3	R3HLTC5	R3HLTC5:W3 Self-report of health change, 5-cat	Categ
4	R4HLTC5	R4HLTC5:W4 Self-report of health change, 5-cat	Categ
5	R5HLTC5	R5HLTC5:W5 Self-report of health change, 5-cat	Categ
6	R6HLTC5	R6HLTC5:W6 Self-report of health change, 5-cat	Categ
1	S1HLTC5	S1HLTC5:W1 Self-report of health change, 5-cat	Categ
2	S2HLTC5	S2HLTC5:W2 Self-report of health change, 5-cat	Categ
3	S3HLTC5	S3HLTC5:W3 Self-report of health change, 5-cat	Categ
4	S4HLTC5	S4HLTC5:W4 Self-report of health change, 5-cat	Categ
5	S5HLTC5	S5HLTC5:W5 Self-report of health change, 5-cat	Categ
6	S6HLTC5	S6HLTC5:W6 Self-report of health change, 5-cat	Categ
3	R3HLTC5F	R3HLTC5F:W3 Flag self-report of hlth chg, 5-cat	Categ
4	R4HLTC5F	R4HLTC5F:W4 Flag self-report of hlth chg, 5-cat	Categ
5	R5HLTC5F	R5HLTC5F:W5 Flag self-report of hlth chg, 5-cat	Categ
6	R6HLTC5F	R6HLTC5F:W6 Flag self-report of hlth chg, 5-cat	Categ
3	S3HLTC5F	S3HLTC5F:W3 Flag self-report of hlth chg, 5-cat	Categ
4	S4HLTC5F	S4HLTC5F:W4 Flag self-report of hlth chg, 5-cat	Categ
5	S5HLTC5F	S5HLTC5F:W5 Flag self-report of hlth chg, 5-cat	Categ
6	S6HLTC5F	S6HLTC5F:W6 Flag self-report of hlth chg, 5-cat	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HLTC3	12651	1.97	0.53	1.0	3.0
R2HLTC3	19631	2.06	0.57	1.0	3.0
R3HLTC3	17785	2.14	0.57	1.0	3.0
R4HLTC3	16284	2.19	0.58	1.0	3.0
R5HLTC3	19299	2.16	0.57	1.0	3.0
R6HLTC3	17920	2.19	0.58	1.0	3.0
R7HLTC3	16642	2.19	0.59	1.0	3.0
R8HLTC3	18236	2.17	0.59	1.0	3.0
R9HLTC3	17053	2.18	0.59	1.0	3.0
R10HLTC3	15564	2.18	0.59	1.0	3.0
R11HLTC3	20003	2.12	0.59	1.0	3.0
R12HLTC3	18532	2.13	0.58	1.0	3.0
R13HLTC3	16313	2.14	0.59	1.0	3.0
R14HLTC3	16910	2.10	0.58	1.0	3.0
R15HLTC3	15504	2.10	0.56	1.0	3.0
R16HLTC3	12990	2.15	0.59	1.0	3.0
S1HLTC3	9899	1.96	0.52	1.0	3.0
S2HLTC3	13082	2.05	0.54	1.0	3.0
S3HLTC3	11736	2.12	0.56	1.0	3.0
S4HLTC3	10471	2.16	0.57	1.0	3.0
S5HLTC3	12476	2.14	0.56	1.0	3.0
S6HLTC3	11416	2.16	0.56	1.0	3.0
S7HLTC3	10477	2.16	0.58	1.0	3.0
S8HLTC3	11525	2.14	0.57	1.0	3.0
S9HLTC3	10496	2.15	0.57	1.0	3.0
S10HLTC3	9400	2.16	0.58	1.0	3.0
S11HLTC3	12021	2.10	0.58	1.0	3.0
S12HLTC3	10831	2.10	0.57	1.0	3.0
S13HLTC3	9239	2.12	0.58	1.0	3.0
S14HLTC3	9151	2.09	0.57	1.0	3.0
S15HLTC3	8292	2.08	0.54	1.0	3.0
S16HLTC3	6604	2.13	0.56	1.0	3.0
R1HLTC5	12651	2.94	0.73	1.0	5.0
R2HLTC5	19631	3.10	0.94	1.0	5.0
R3HLTC5	17786	3.16	0.81	1.0	5.0
R4HLTC5	16284	3.23	0.83	1.0	5.0
R5HLTC5	19299	3.19	0.80	1.0	5.0
R6HLTC5	17920	3.22	0.80	1.0	5.0
S1HLTC5	9899	2.92	0.70	1.0	5.0
S2HLTC5	13082	3.07	0.86	1.0	5.0
S3HLTC5	11737	3.13	0.78	1.0	5.0
S4HLTC5	10471	3.19	0.79	1.0	5.0
S5HLTC5	12476	3.16	0.77	1.0	5.0
S6HLTC5	11416	3.17	0.76	1.0	5.0
R3HLTC5F	17991	0.10	0.96	0.0	9.0
R4HLTC5F	21384	2.15	3.84	0.0	9.0
R5HLTC5F	19578	0.13	1.07	0.0	9.0
R6HLTC5F	18165	0.12	1.04	0.0	9.0
S3HLTC5F	11917	0.14	1.10	0.0	9.0
S4HLTC5F	13980	2.26	3.90	0.0	9.0
S5HLTC5F	12730	0.18	1.26	0.0	9.0

S6HLTC5F	11639	0.17	1.23	0.0	9.0

Categorical Variable Codes

RwHLTC3: Self-report of health change

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		7	5	7	8	12	10	16	20	16
.J=Web interview, missing										
.M=Oth missing	1		2	3	6	6	5	7		11
.P=No prv IW			196	5090	264	226	3471	207	143	6439
.R=RF		4	3		1	1	1	3	1	4
1.Better	1990	2566	1864	1537	1862	1591	1675	1887	1712	1540
2.About the same	9072	13236	11620	10169	12438	11343	10195	11364	10640	9611
3.Worse	1589	3829	4301	4578	4999	4986	4772	4985	4701	4413

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	27	28	28	13	21	24
.J=Web interview, missing				4	1	3
.M=Oth missing	188	5	9	34	23	5
.P=No prv IW	331	178	4558	181	172	2760
.R=RF	5	4	4	4	2	5
1.Better	2424	2120	1900	2124	1743	1409
2.About the same	12659	11946	10257	10950	10410	8257
3.Worse	4920	4466	4156	3836	3351	3324

SwHLTC3: Self-report of health change

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		5	2	3	3	7	5	5	10	3
.J=Web interview, missing										
.M=Oth missing	1		2	3	5	6	5	6		11
.P=No prv IW			175	3503	246	209	2484	198	139	4096
.R=RF		3	2			1	1	1	1	3
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
1.Better	1555	1635	1237	987	1194	1026	1043	1197	1051	940
2.About the same	7234	9178	7901	6832	8301	7579	6707	7500	6861	6008
3.Worse	1110	2269	2598	2652	2981	2811	2727	2828	2584	2452

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	11	9	13	7	9	7
.J=Web interview, missing				3		2
.M=Oth missing	138	5	8	21	19	5
.P=No prv IW	313	167	2517	176	156	1221
.R=RF	1		2		1	1
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Better	1448	1237	1071	1114	910	642
2.About the same	7877	7227	6027	6133	5782	4453
3.Worse	2696	2367	2141	1904	1600	1509

RwHLTC5: Self-report of health change, 5-cat

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		7	4	7	8	12				
.M=Oth missing	1		2	3	6	6				
.P=No prv IW			196	5090	264	226				
.R=RF		4	3		1	1				
1.Much better	714	1558	824	642	802	686				
2.Somewhat better	1276	1008	1040	895	1060	905				
3.Same	9072	13236	11620	10169	12438	11343				
4.Somewhat worse	1248	1634	3120	3281	3718	3715				
5.Much worse	341	2195	1182	1297	1281	1271				

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA						
.M=Oth missing						
.P=No prv IW						
.R=RF						
1.Much better						
2.Somewhat better						
3.Same						
4.Somewhat worse						
5.Much worse						

SwHLTC5: Self-report of health change, 5-cat

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		5	1	3	3	7				
.M=Oth missing	1		2	3	5	6				
.P=No prv IW			175	3503	246	209				
.R=RF		3	2			1				
.U=Unmarried	2373	5968	5657	6868	6537	6306				
.V=Spouse NR	379	584	417	536	311	220				
1.Much better	544	870	524	411	517	441				
2.Somewhat better	1011	765	713	576	677	585				
3.Same	7234	9178	7901	6832	8301	7579				
4.Somewhat worse	895	1172	1955	1966	2312	2199				
5.Much worse	215	1097	644	686	669	612				

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA						
.M=Oth missing						
.P=No prv IW						
.R=RF						
.U=Unmarried						
.V=Spouse NR						
1.Much better						
2.Somewhat better						
3.Same						
4.Somewhat worse						
5.Much worse						

RwHLTC5F: Flag self-report of hlth chg, 5-cat

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No missing			17776	16278	19287	17909				
1.F1=.,filled frm F2			1							
2.F2=.,set to somewhat			9	6	12	11				
9.Both missing			205	5100	279	245				

Value	w11	w12	w13	w14	w15	w16
0.No missing						
1.F1=.,filled frm F2						
2.F2=.,set to somewhat						
9.Both missing						

SwHLTC5F: Flag self-report of hlth chg, 5-cat

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried			5657	6868	6537	6306				
.V=Spouse NR			417	536	311	220				
0.No missing			11735	10470	12469	11409				
1.F1=.,filled frm F2			1							
2.F2=.,set to somewhat			1	1	7	7				
9.Both missing			180	3509	254	223				

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried						
.V=Spouse NR						
0.No missing						
1.F1=.,filled frm F2						
2.F2=.,set to somewhat						
9.Both missing						

How Constructed

RwHLTC3 is a 3-category variable indicating the Respondent's self-reported change in health. The Respondent can report their health is "better," "about the same," or "worse" since the last interview or in the last two years.

RwHLTC5 is a 5-category variable indicating the Respondent's self-reported change in health since the last interview or in the last two years. For Waves 1-6, the questionnaires provided 5 options for the self-reported change in health: "much better," somewhat better," "about the same," "somewhat worse," and "much worse."

In Waves 1 and 2 RwHLTC5 is derived directly from the raw variables, with missing values recoded. For Waves 3-6, the question is asked in two parts, one for whether the Respondent's health is better or worse, and a follow-up question revealing how much better or worse. The derivation combines the lead-in and follow-up questions to arrive at the same 5-point scale used in the single Wave 1 and 2 questions. A few cases are missing values for one of the questions. If the follow-up question is not missing, its answer is used. If the lead-in question is answered but the follow-up is missing, "somewhat" was assumed, and these cases are flagged in the RwHLTC5F variables. Most cases that answer both questions give "somewhat" as the follow-up answer.

SwHLTC3 and SwHLTC5 variables give the spouse's self-reported change in health corresponding to RwHLTC3 and RwHLTC5, respectively. SwHLTC5F is the spouse variable flagging an imputed "somewhat" response when the follow-up question is missing.

Please see also the calculated change in self-reported health variable (RwSHLTC) described later in this section. Note that RwHLTC3 and RwHLTC5 ask the Respondent to assess retrospectively how their health has changed since the last interview while RwSHLTC compares measures of self-reported current health from the two time points.

Cross Wave Differences in Original HRS Data

In Wave 1, everyone is asked to describe their health compared to 1 year ago using 5 options: "much better," "somewhat better," "same," "somewhat worse," or "much worse." Wave 2A asks everyone to describe their health as compared to 1 year ago using 3 options: "better," "same," or "worse."

In Wave 2H, new Respondents are asked to compare their health to 2 years ago while re-interview Respondents are asked to rate their health compared to their previous interview using the 5 options described above.

In Wave 3A, all Respondents are asked to rate their health as "better," "about same," or "worse." If they responded with either "better" or "worse," then they are asked a follow-up question to clarify whether their health is "much [better/worse]" or "somewhat [better/worse]." New Respondents are asked to compare their health in the last 2 years. Re-interview Respondents are asked what happened to their health since their last interview.

From 3H forward, only re-intervew Respondents are asked to compare their health to their previous interview. From Waves 3H to Wave 6, the sequence of questions is the same as that in Wave 3A. From Wave 7 forward, the second set of questions has been dropped, and re-interview Respondents are asked only if their health is "better," "about the same," or "worse" since the last interview.

HRS Variables Used

```
HRS 1992:
    V302            B2:HEALTH:NOW, 1 YR :IMP
AHEAD 1993:
    B208            B2. RATE HEALTH PAST
HRS 1994:
    W302            B2.HEALTH NOW VERSUS 2 Y
AHEAD 1995:
    D772            B1A.RATE HEALTH PAST
    D776            B1B.RATE BETTER
    D777            B1C.RATE WORSE
HRS 1996:
    E772            B1A.RATE HEALTH PAST
    E776            B1B.RATE BETTER
    E777            B1C.RATE WORSE
HRS 1998:
    F1100           B1A.RATE HEALTH PAST
    F1104           B1B.RATE BETTER
    F1105           B1C.RATE WORSE
HRS 2000:
    G1229           B1A.RATE HEALTH PAST
    G1233           B1B.RATE BETTER
    G1234           B1C.RATE WORSE
HRS 2002:
    HC003           HEALTH BETTER-DEGREE
    HC004           HEALTH WORSE-DEGREE
HRS 2002-2022:
    xC002           COMPARE HEALTH TO PREVIOUS WAVE
```

Change in Health: Self-reported health

Wave	Variable	Label	Type
2	R2SHLTC	R2SHLTC:W2 Change in self-reported hlth	Cont
3	R3SHLTC	R3SHLTC:W3 Change in self-reported hlth	Cont
4	R4SHLTC	R4SHLTC:W4 Change in self-reported hlth	Cont
5	R5SHLTC	R5SHLTC:W5 Change in self-reported hlth	Cont
6	R6SHLTC	R6SHLTC:W6 Change in self-reported hlth	Cont
7	R7SHLTC	R7SHLTC:W7 Change in self-reported hlth	Cont
8	R8SHLTC	R8SHLTC:W8 Change in self-reported hlth	Cont
9	R9SHLTC	R9SHLTC:W9 Change in self-reported hlth	Cont
10	R10SHLTC	R10SHLTC:W10 Change in self-reported hlth	Cont
11	R11SHLTC	R11SHLTC:W11 Change in self-reported hlth	Cont
12	R12SHLTC	R12SHLTC:W12 Change in self-reported hlth	Cont
13	R13SHLTC	R13SHLTC:W13 Change in self-reported hlth	Cont
14	R14SHLTC	R14SHLTC:W14 Change in self-reported hlth	Cont
15	R15SHLTC	R15SHLTC:W15 Change in self-reported hlth	Cont
16	R16SHLTC	R16SHLTC:W16 Change in self-reported hlth	Cont
2	S2SHLTC	S2SHLTC:W2 Change in self-reported hlth	Cont
3	S3SHLTC	S3SHLTC:W3 Change in self-reported hlth	Cont
4	S4SHLTC	S4SHLTC:W4 Change in self-reported hlth	Cont
5	S5SHLTC	S5SHLTC:W5 Change in self-reported hlth	Cont
6	S6SHLTC	S6SHLTC:W6 Change in self-reported hlth	Cont
7	S7SHLTC	S7SHLTC:W7 Change in self-reported hlth	Cont
8	S8SHLTC	S8SHLTC:W8 Change in self-reported hlth	Cont
9	S9SHLTC	S9SHLTC:W9 Change in self-reported hlth	Cont
10	S10SHLTC	S10SHLTC:W10 Change in self-reported hlth	Cont
11	S11SHLTC	S11SHLTC:W11 Change in self-reported hlth	Cont
12	S12SHLTC	S12SHLTC:W12 Change in self-reported hlth	Cont
13	S13SHLTC	S13SHLTC:W13 Change in self-reported hlth	Cont
14	S14SHLTC	S14SHLTC:W14 Change in self-reported hlth	Cont
15	S15SHLTC	S15SHLTC:W15 Change in self-reported hlth	Cont
16	S16SHLTC	S16SHLTC:W16 Change in self-reported hlth	Cont
2	R2SHLTCF	R2SHLTCF:W2 Flag chg self-reported hlth	Categ
3	R3SHLTCF	R3SHLTCF:W3 Flag chg self-reported hlth	Categ
4	R4SHLTCF	R4SHLTCF:W4 Flag chg self-reported hlth	Categ
5	R5SHLTCF	R5SHLTCF:W5 Flag chg self-reported hlth	Categ
6	R6SHLTCF	R6SHLTCF:W6 Flag chg self-reported hlth	Categ
7	R7SHLTCF	R7SHLTCF:W7 Flag chg self-reported hlth	Categ
8	R8SHLTCF	R8SHLTCF:W8 Flag chg self-reported hlth	Categ
9	R9SHLTCF	R9SHLTCF:W9 Flag chg self-reported hlth	Categ
10	R10SHLTCF	R10SHLTCF:W10 Flag chg self-reported hlth	Categ
11	R11SHLTCF	R11SHLTCF:W11 Flag chg self-reported hlth	Categ
12	R12SHLTCF	R12SHLTCF:W12 Flag chg self-reported hlth	Categ
13	R13SHLTCF	R13SHLTCF:W13 Flag chg self-reported hlth	Categ
14	R14SHLTCF	R14SHLTCF:W14 Flag chg self-reported hlth	Categ
15	R15SHLTCF	R15SHLTCF:W15 Flag chg self-reported hlth	Categ
16	R16SHLTCF	R16SHLTCF:W16 Flag chg self-reported hlth	Categ
2	S2SHLTCF	S2SHLTCF:W2 Flag chg self-reported hlth	Categ
3	S3SHLTCF	S3SHLTCF:W3 Flag chg self-reported hlth	Categ
4	S4SHLTCF	S4SHLTCF:W4 Flag chg self-reported hlth	Categ
5	S5SHLTCF	S5SHLTCF:W5 Flag chg self-reported hlth	Categ
6	S6SHLTCF	S6SHLTCF:W6 Flag chg self-reported hlth	Categ
7	S7SHLTCF	S7SHLTCF:W7 Flag chg self-reported hlth	Categ
8	S8SHLTCF	S8SHLTCF:W8 Flag chg self-reported hlth	Categ
9	S9SHLTCF	S9SHLTCF:W9 Flag chg self-reported hlth	Categ
10	S10SHLTCF	S10SHLTCF:W10 Flag chg self-reported hlth	Categ
11	S11SHLTCF	S11SHLTCF:W11 Flag chg self-reported hlth	Categ
12	S12SHLTCF	S12SHLTCF:W12 Flag chg self-reported hlth	Categ
13	S13SHLTCF	S13SHLTCF:W13 Flag chg self-reported hlth	Categ
14	S14SHLTCF	S14SHLTCF:W14 Flag chg self-reported hlth	Categ
15	S15SHLTCF	S15SHLTCF:W15 Flag chg self-reported hlth	Categ
16	S16SHLTCF	S16SHLTCF:W16 Flag chg self-reported hlth	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2SHLTC	11419	0.10	0.92	-4.0	4.0
R3SHLTC	17706	0.04	0.95	-4.0	4.0
R4SHLTC	16281	0.27	0.96	-4.0	4.0
R5SHLTC	19303	-0.02	0.94	-4.0	4.0
R6SHLTC	17919	0.11	0.93	-4.0	4.0
R7SHLTC	16632	0.11	0.91	-4.0	4.0
R8SHLTC	18225	0.06	0.89	-4.0	4.0
R9SHLTC	17041	0.12	0.89	-4.0	4.0
R10SHLTC	15578	0.03	0.90	-4.0	4.0
R11SHLTC	20194	0.04	0.88	-4.0	4.0
R12SHLTC	18535	0.11	0.86	-4.0	4.0
R13SHLTC	16326	0.07	0.86	-4.0	4.0
R14SHLTC	16939	0.03	0.84	-4.0	4.0
R15SHLTC	15522	0.05	0.81	-4.0	4.0
R16SHLTC	13001	0.07	0.83	-4.0	4.0
S2SHLTC	8740	0.10	0.91	-4.0	4.0
S3SHLTC	11669	0.05	0.93	-4.0	4.0
S4SHLTC	10468	0.27	0.91	-4.0	4.0
S5SHLTC	12477	-0.02	0.92	-4.0	4.0
S6SHLTC	11423	0.10	0.89	-4.0	4.0
S7SHLTC	10477	0.12	0.87	-4.0	4.0
S8SHLTC	11518	0.05	0.87	-4.0	4.0
S9SHLTC	10491	0.13	0.86	-4.0	4.0
S10SHLTC	9412	0.03	0.87	-4.0	4.0
S11SHLTC	12158	0.04	0.86	-4.0	4.0
S12SHLTC	10830	0.12	0.84	-4.0	4.0
S13SHLTC	9252	0.07	0.84	-4.0	4.0
S14SHLTC	9172	0.04	0.83	-4.0	4.0
S15SHLTC	8311	0.05	0.80	-4.0	4.0
S16SHLTC	6611	0.06	0.79	-4.0	4.0
R2SHLTCF	11419	0.00	0.00	0.0	0.0
R3SHLTCF	17706	0.02	0.14	0.0	1.0
R4SHLTCF	16281	0.04	0.23	0.0	2.0
R5SHLTCF	19303	0.03	0.24	0.0	3.0
R6SHLTCF	17919	0.06	0.34	0.0	4.0
R7SHLTCF	16632	0.05	0.33	0.0	5.0
R8SHLTCF	18225	0.04	0.30	0.0	6.0
R9SHLTCF	17041	0.05	0.35	0.0	7.0
R10SHLTCF	15578	0.07	0.44	0.0	8.0
R11SHLTCF	20194	0.04	0.33	0.0	9.0
R12SHLTCF	18535	0.04	0.29	0.0	8.0
R13SHLTCF	16326	0.04	0.25	0.0	7.0
R14SHLTCF	16939	0.03	0.23	0.0	6.0
R15SHLTCF	15522	0.10	0.38	0.0	7.0
R16SHLTCF	13001	0.10	0.44	0.0	9.0
S2SHLTCF	8740	0.00	0.00	0.0	0.0
S3SHLTCF	11669	0.02	0.14	0.0	1.0
S4SHLTCF	10468	0.03	0.22	0.0	2.0
S5SHLTCF	12477	0.03	0.21	0.0	3.0
S6SHLTCF	11423	0.05	0.30	0.0	4.0
S7SHLTCF	10477	0.04	0.32	0.0	5.0
S8SHLTCF	11518	0.03	0.27	0.0	6.0
S9SHLTCF	10491	0.04	0.28	0.0	7.0

S10SHLTCF	9412	0.06	0.41	0.0	8.0
S11SHLTCF	12158	0.03	0.29	0.0	9.0
S12SHLTCF	10830	0.03	0.23	0.0	6.0
S13SHLTCF	9252	0.02	0.20	0.0	6.0
S14SHLTCF	9172	0.02	0.19	0.0	5.0
S15SHLTCF	8311	0.08	0.35	0.0	7.0
S16SHLTCF	6611	0.08	0.38	0.0	6.0

Categorical Variable Codes

RwSHLTCF: Flag chg self-reported hlth

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	4	15	12	11	19	25	36	33	17	
.P=No prv IW	8219	270	5091	264	227	3472	208	143	6439	
0.Used IW-1	11419	17340	15749	18848	17210	16181	17787	16461	15015	
1.Used IW-2		366	413	298	482	274	255	404	292	
2.Used IW-3			119	114	119	87	114	91	138	
3.Used IW-4				43	71	47	39	53	60	
4.Used IW-5					37	27	17	16	39	
5.Used IW-6						16	9	5	18	
6.Used IW-7							4	6	11	
7.Used IW-8								5	2	
8.Used IW-9									3	
9.Used IW-10										

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	29	34	28	26	29	26
.P=No prv IW	331	178	4558	181	172	2760
0.Used IW-1	19754	18044	15883	16580	14237	12145
1.Used IW-2	258	364	340	263	1055	523
2.Used IW-3	89	72	80	69	169	251
3.Used IW-4	56	25	14	19	48	56
4.Used IW-5	17	17	3	5	10	16
5.Used IW-6	7	4	2	2	2	7
6.Used IW-7	3	5	3	1		2
7.Used IW-8	4	3	1		1	
8.Used IW-9	4	1				
9.Used IW-10	2					1

SwSHLTCF: Flag chg self-reported hlth

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing		2	8	8	7	6	10	18	16	5
.P=No prv IW		4348	240	3504	246	210	2485	199	139	4096
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.Used IW-1		8740	11428	10172	12233	11038	10252	11300	10219	9111
1.Used IW-2			241	229	164	277	131	121	200	154
2.Used IW-3				67	62	55	43	64	41	79
3.Used IW-4					18	38	22	21	17	32
4.Used IW-5						15	16	8	8	23
5.Used IW-6							13		5	6
6.Used IW-7								4		5
7.Used IW-8									1	
8.Used IW-9										2
9.Used IW-10										

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	13	15	10	10	10	8
.P=No prv IW	313	167	2517	176	156	1221
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Used IW-1	11921	10598	9071	9015	7743	6281
1.Used IW-2	145	175	148	119	465	207
2.Used IW-3	44	35	24	31	76	87
3.Used IW-4	33	12	5	3	23	25
4.Used IW-5	11	9	1	3	2	6
5.Used IW-6	2		2	1	1	4
6.Used IW-7		1	1			1
7.Used IW-8					1	
8.Used IW-9						
9.Used IW-10	2					

How Constructed

The change in health measures were chosen for their consistency across waves. They include measures of overall health, functional limitation summaries, doctor-diagnosed health conditions, and assessment of mortality measures.

They are calculated as the current wave less the previous interview measures. If the Respondent missed an interview due to non-response, the change is between the current and the last interview that the Respondent did respond to. A flag for each change variable indicates how many interviews were missed prior to the current.

For further discussion of the Change in Health variables, see the section titled "Health Change" earlier in this document.

RwSHLTC is the change in self-reported health status from the previous to the current interview. RwSHLTCF indicates how far back the previous interview is. SwSHLTC and SwSHLTCF are this information for the Respondent's spouse or partner.

The derivation of RwSHLTC is:

RwSHLTC = RwSHLT - RpSHLT

Where "w" means current wave and "p" means the previous interview. For example, if an individual responded to Waves 2 and 3, R3SHLTC = R3SHLT - R2SHLT. Since a lower number means better health in the RwSHLT variables, a positive value for RwSHLTC indicates a decline in self-rated health.

Not all individuals respond to every interview. Respondents may miss one or more interviews between those they complete. RwSHLTCF indicates if there are any missed interviews prior to the current, and if so, how many. In other words, it indicates how far back the previous interview is, from which the change is measured. For example, a value of zero (0) indicates the Respondent did not miss the previous interview and change = current - [current-1]; a value of one (1) indicates the Respondent missed the previous interview, but only one and change = current - [current-2]; a value of two (2) indicates the Respondent missed the two previous interviews and change = current - [current-3]; et cetera. If this is the Respondent's first interview, then RwSHLTC and RwSHLTCF are set to .P to indicate no previous interview.

Please see also the self-reported change in health variable RwHLTC described earlier in this section, and the description of the self-reported health variable RwSHLT. Note that RwHLTC asks the Respondent to assess retrospectively how their health has changed since the last interview, while RwSHLTC compares measures of self-reported current health from the two time points.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3SHLTC is taken from the Wave 3 spouse's R3SHLTC.

Cross Wave Differences in Original HRS Data

Please see the documentation of the variables used to derive these change-in-health variables for a description of cross-wave differences in the raw HRS data.

Self-reported BMI, Height, Weight, Weight Change, and Highest Weight

Wave	Variable	Label	Type
1	R1BMI	R1BMI:W1 Self-reported body mass index=kg/m2	Cont
2	R2BMI	R2BMI:W2 Self-reported body mass index=kg/m2	Cont
3	R3BMI	R3BMI:W3 Self-reported body mass index=kg/m2	Cont
4	R4BMI	R4BMI:W4 Self-reported body mass index=kg/m2	Cont
5	R5BMI	R5BMI:W5 Self-reported body mass index=kg/m2	Cont
6	R6BMI	R6BMI:W6 Self-reported body mass index=kg/m2	Cont
7	R7BMI	R7BMI:W7 Self-reported body mass index=kg/m2	Cont
8	R8BMI	R8BMI:W8 Self-reported body mass index=kg/m2	Cont
9	R9BMI	R9BMI:W9 Self-reported body mass index=kg/m2	Cont
10	R10BMI	R10BMI:W10 Self-reported body mass index=kg/m2	Cont
11	R11BMI	R11BMI:W11 Self-reported body mass index=kg/m2	Cont
12	R12BMI	R12BMI:W12 Self-reported body mass index=kg/m2	Cont
13	R13BMI	R13BMI:W13 Self-reported body mass index=kg/m2	Cont
14	R14BMI	R14BMI:W14 Self-reported body mass index=kg/m2	Cont
15	R15BMI	R15BMI:W15 Self-reported body mass index=kg/m2	Cont
16	R16BMI	R16BMI:W16 Self-reported body mass index=kg/m2	Cont
1	S1BMI	S1BMI:W1 Self-reported body mass index=kg/m2	Cont
2	S2BMI	S2BMI:W2 Self-reported body mass index=kg/m2	Cont
3	S3BMI	S3BMI:W3 Self-reported body mass index=kg/m2	Cont
4	S4BMI	S4BMI:W4 Self-reported body mass index=kg/m2	Cont
5	S5BMI	S5BMI:W5 Self-reported body mass index=kg/m2	Cont
6	S6BMI	S6BMI:W6 Self-reported body mass index=kg/m2	Cont
7	S7BMI	S7BMI:W7 Self-reported body mass index=kg/m2	Cont
8	S8BMI	S8BMI:W8 Self-reported body mass index=kg/m2	Cont
9	S9BMI	S9BMI:W9 Self-reported body mass index=kg/m2	Cont
10	S10BMI	S10BMI:W10 Self-reported body mass index=kg/m2	Cont
11	S11BMI	S11BMI:W11 Self-reported body mass index=kg/m2	Cont
12	S12BMI	S12BMI:W12 Self-reported body mass index=kg/m2	Cont
13	S13BMI	S13BMI:W13 Self-reported body mass index=kg/m2	Cont
14	S14BMI	S14BMI:W14 Self-reported body mass index=kg/m2	Cont
15	S15BMI	S15BMI:W15 Self-reported body mass index=kg/m2	Cont
16	S16BMI	S16BMI:W16 Self-reported body mass index=kg/m2	Cont
1	R1HEIGHT	R1HEIGHT:W1 Self-reported height in meters	Cont
2	R2HEIGHT	R2HEIGHT:W2 Self-reported height in meters	Cont
3	R3HEIGHT	R3HEIGHT:W3 Self-reported height in meters	Cont
4	R4HEIGHT	R4HEIGHT:W4 Self-reported height in meters	Cont
5	R5HEIGHT	R5HEIGHT:W5 Self-reported height in meters	Cont
6	R6HEIGHT	R6HEIGHT:W6 Self-reported height in meters	Cont
7	R7HEIGHT	R7HEIGHT:W7 Self-reported height in meters	Cont
8	R8HEIGHT	R8HEIGHT:W8 Self-reported height in meters	Cont
9	R9HEIGHT	R9HEIGHT:W9 Self-reported height in meters	Cont
10	R10HEIGHT	R10HEIGHT:W10 Self-reported height in meters	Cont
11	R11HEIGHT	R11HEIGHT:W11 Self-reported height in meters	Cont
12	R12HEIGHT	R12HEIGHT:W12 Self-reported height in meters	Cont
13	R13HEIGHT	R13HEIGHT:W13 Self-reported height in meters	Cont
14	R14HEIGHT	R14HEIGHT:W14 Self-reported height in meters	Cont
15	R15HEIGHT	R15HEIGHT:W15 Self-reported height in meters	Cont
16	R16HEIGHT	R16HEIGHT:W16 Self-reported height in meters	Cont
1	S1HEIGHT	S1HEIGHT:W1 Self-reported height in meters	Cont
2	S2HEIGHT	S2HEIGHT:W2 Self-reported height in meters	Cont
3	S3HEIGHT	S3HEIGHT:W3 Self-reported height in meters	Cont
4	S4HEIGHT	S4HEIGHT:W4 Self-reported height in meters	Cont
5	S5HEIGHT	S5HEIGHT:W5 Self-reported height in meters	Cont
6	S6HEIGHT	S6HEIGHT:W6 Self-reported height in meters	Cont
7	S7HEIGHT	S7HEIGHT:W7 Self-reported height in meters	Cont
8	S8HEIGHT	S8HEIGHT:W8 Self-reported height in meters	Cont
9	S9HEIGHT	S9HEIGHT:W9 Self-reported height in meters	Cont
10	S10HEIGHT	S10HEIGHT:W10 Self-reported height in meters	Cont
11	S11HEIGHT	S11HEIGHT:W11 Self-reported height in meters	Cont
12	S12HEIGHT	S12HEIGHT:W12 Self-reported height in meters	Cont
13	S13HEIGHT	S13HEIGHT:W13 Self-reported height in meters	Cont
14	S14HEIGHT	S14HEIGHT:W14 Self-reported height in meters	Cont
15	S15HEIGHT	S15HEIGHT:W15 Self-reported height in meters	Cont

16	S16HEIGHT	S16HEIGHT:W16 Self-reported height in meters	Cont
1	R1WEIGHT	R1WEIGHT:W1 Self-reported weight in kilograms	Cont
2	R2WEIGHT	R2WEIGHT:W2 Self-reported weight in kilograms	Cont
3	R3WEIGHT	R3WEIGHT:W3 Self-reported weight in kilograms	Cont
4	R4WEIGHT	R4WEIGHT:W4 Self-reported weight in kilograms	Cont
5	R5WEIGHT	R5WEIGHT:W5 Self-reported weight in kilograms	Cont
6	R6WEIGHT	R6WEIGHT:W6 Self-reported weight in kilograms	Cont
7	R7WEIGHT	R7WEIGHT:W7 Self-reported weight in kilograms	Cont
8	R8WEIGHT	R8WEIGHT:W8 Self-reported weight in kilograms	Cont
9	R9WEIGHT	R9WEIGHT:W9 Self-reported weight in kilograms	Cont
10	R10WEIGHT	R10WEIGHT:W10 Self-reported weight in kilograms	Cont
11	R11WEIGHT	R11WEIGHT:W11 Self-reported weight in kilograms	Cont
12	R12WEIGHT	R12WEIGHT:W12 Self-reported weight in kilograms	Cont
13	R13WEIGHT	R13WEIGHT:W13 Self-reported weight in kilograms	Cont
14	R14WEIGHT	R14WEIGHT:W14 Self-reported weight in kilograms	Cont
15	R15WEIGHT	R15WEIGHT:W15 Self-reported weight in kilograms	Cont
16	R16WEIGHT	R16WEIGHT:W16 Self-reported weight in kilograms	Cont
1	S1WEIGHT	S1WEIGHT:W1 Self-reported weight in kilograms	Cont
2	S2WEIGHT	S2WEIGHT:W2 Self-reported weight in kilograms	Cont
3	S3WEIGHT	S3WEIGHT:W3 Self-reported weight in kilograms	Cont
4	S4WEIGHT	S4WEIGHT:W4 Self-reported weight in kilograms	Cont
5	S5WEIGHT	S5WEIGHT:W5 Self-reported weight in kilograms	Cont
6	S6WEIGHT	S6WEIGHT:W6 Self-reported weight in kilograms	Cont
7	S7WEIGHT	S7WEIGHT:W7 Self-reported weight in kilograms	Cont
8	S8WEIGHT	S8WEIGHT:W8 Self-reported weight in kilograms	Cont
9	S9WEIGHT	S9WEIGHT:W9 Self-reported weight in kilograms	Cont
10	S10WEIGHT	S10WEIGHT:W10 Self-reported weight in kilograms	Cont
11	S11WEIGHT	S11WEIGHT:W11 Self-reported weight in kilograms	Cont
12	S12WEIGHT	S12WEIGHT:W12 Self-reported weight in kilograms	Cont
13	S13WEIGHT	S13WEIGHT:W13 Self-reported weight in kilograms	Cont
14	S14WEIGHT	S14WEIGHT:W14 Self-reported weight in kilograms	Cont
15	S15WEIGHT	S15WEIGHT:W15 Self-reported weight in kilograms	Cont
16	S16WEIGHT	S16WEIGHT:W16 Self-reported weight in kilograms	Cont
3	R3WGHTCHG	R3WGHTCHG:W3 R gained/lost 10 lbs, prv 2 yrs	Categ
4	R4WGHTCHG	R4WGHTCHG:W4 R gained/lost 10 lbs, prv 2 yrs	Categ
5	R5WGHTCHG	R5WGHTCHG:W5 R gained/lost 10 lbs, prv 2 yrs	Categ
6	R6WGHTCHG	R6WGHTCHG:W6 R gained/lost 10 lbs, prv 2 yrs	Categ
7	R7WGHTCHG	R7WGHTCHG:W7 R gained/lost 10 lbs, prv 2 yrs	Categ
8	R8WGHTCHG	R8WGHTCHG:W8 R gained/lost 10 lbs, prv 2 yrs	Categ
9	R9WGHTCHG	R9WGHTCHG:W9 R gained/lost 10 lbs, prv 2 yrs	Categ
10	R10WGHTCHG	R10WGHTCHG:W10 R gained/lost 10 lbs, prv 2 yrs	Categ
11	R11WGHTCHG	R11WGHTCHG:W11 R gained/lost 10 lbs, prv 2 yrs	Categ
12	R12WGHTCHG	R12WGHTCHG:W12 R gained/lost 10 lbs, prv 2 yrs	Categ
13	R13WGHTCHG	R13WGHTCHG:W13 R gained/lost 10 lbs, prv 2 yrs	Categ
14	R14WGHTCHG	R14WGHTCHG:W14 R gained/lost 10 lbs, prv 2 yrs	Categ
15	R15WGHTCHG	R15WGHTCHG:W15 R gained/lost 10 lbs, prv 2 yrs	Categ
16	R16WGHTCHG	R16WGHTCHG:W16 R gained/lost 10 lbs, prv 2 yrs	Categ
3	S3WGHTCHG	S3WGHTCHG:W3 S gained/lost 10 lbs, prv 2 yrs	Categ
4	S4WGHTCHG	S4WGHTCHG:W4 S gained/lost 10 lbs, prv 2 yrs	Categ
5	S5WGHTCHG	S5WGHTCHG:W5 S gained/lost 10 lbs, prv 2 yrs	Categ
6	S6WGHTCHG	S6WGHTCHG:W6 S gained/lost 10 lbs, prv 2 yrs	Categ
7	S7WGHTCHG	S7WGHTCHG:W7 S gained/lost 10 lbs, prv 2 yrs	Categ
8	S8WGHTCHG	S8WGHTCHG:W8 S gained/lost 10 lbs, prv 2 yrs	Categ
9	S9WGHTCHG	S9WGHTCHG:W9 S gained/lost 10 lbs, prv 2 yrs	Categ
10	S10WGHTCHG	S10WGHTCHG:W10 S gained/lost 10 lbs, prv 2 yrs	Categ
11	S11WGHTCHG	S11WGHTCHG:W11 S gained/lost 10 lbs, prv 2 yrs	Categ
12	S12WGHTCHG	S12WGHTCHG:W12 S gained/lost 10 lbs, prv 2 yrs	Categ
13	S13WGHTCHG	S13WGHTCHG:W13 S gained/lost 10 lbs, prv 2 yrs	Categ
14	S14WGHTCHG	S14WGHTCHG:W14 S gained/lost 10 lbs, prv 2 yrs	Categ
15	S15WGHTCHG	S15WGHTCHG:W15 S gained/lost 10 lbs, prv 2 yrs	Categ
16	S16WGHTCHG	S16WGHTCHG:W16 S gained/lost 10 lbs, prv 2 yrs	Categ
1	RAMXHISWT	RAMXHISWT: R lifetime highest self-reported weight in kg	Cont
1	S1MXHISWT	S1MXHISWT: S lifetime highest self-reported weight in kg	Cont
2	S2MXHISWT	S2MXHISWT: S lifetime highest self-reported weight in kg	Cont
3	S3MXHISWT	S3MXHISWT: S lifetime highest self-reported weight in kg	Cont
4	S4MXHISWT	S4MXHISWT: S lifetime highest self-reported weight in kg	Cont

5	S5MXHISWT	S5MXHISWT: S lifetime highest self-reported weight in kg	Cont
6	S6MXHISWT	S6MXHISWT: S lifetime highest self-reported weight in kg	Cont
7	S7MXHISWT	S7MXHISWT: S lifetime highest self-reported weight in kg	Cont
8	S8MXHISWT	S8MXHISWT: S lifetime highest self-reported weight in kg	Cont
9	S9MXHISWT	S9MXHISWT: S lifetime highest self-reported weight in kg	Cont
10	S10MXHISWT	S10MXHISWT: S lifetime highest self-reported weight in kg	Cont
11	S11MXHISWT	S11MXHISWT: S lifetime highest self-reported weight in kg	Cont
12	S12MXHISWT	S12MXHISWT: S lifetime highest self-reported weight in kg	Cont
13	S13MXHISWT	S13MXHISWT: S lifetime highest self-reported weight in kg	Cont
14	S14MXHISWT	S14MXHISWT: S lifetime highest self-reported weight in kg	Cont
15	S15MXHISWT	S15MXHISWT: S lifetime highest self-reported weight in kg	Cont
16	S16MXHISWT	S16MXHISWT: S lifetime highest self-reported weight in kg	Cont
1	RAMXHISWTA	RAMXHISWTA: R age at lifetime highest self-reported weight	Cont
1	S1MXHISWTA	S1MXHISWTA: S age at lifetime highest self-reported weight	Cont
2	S2MXHISWTA	S2MXHISWTA: S age at lifetime highest self-reported weight	Cont
3	S3MXHISWTA	S3MXHISWTA: S age at lifetime highest self-reported weight	Cont
4	S4MXHISWTA	S4MXHISWTA: S age at lifetime highest self-reported weight	Cont
5	S5MXHISWTA	S5MXHISWTA: S age at lifetime highest self-reported weight	Cont
6	S6MXHISWTA	S6MXHISWTA: S age at lifetime highest self-reported weight	Cont
7	S7MXHISWTA	S7MXHISWTA: S age at lifetime highest self-reported weight	Cont
8	S8MXHISWTA	S8MXHISWTA: S age at lifetime highest self-reported weight	Cont
9	S9MXHISWTA	S9MXHISWTA: S age at lifetime highest self-reported weight	Cont
10	S10MXHISWTA	S10MXHISWTA: S age at lifetime highest self-reported weight	Cont
11	S11MXHISWTA	S11MXHISWTA: S age at lifetime highest self-reported weight	Cont
12	S12MXHISWTA	S12MXHISWTA: S age at lifetime highest self-reported weight	Cont
13	S13MXHISWTA	S13MXHISWTA: S age at lifetime highest self-reported weight	Cont
14	S14MXHISWTA	S14MXHISWTA: S age at lifetime highest self-reported weight	Cont
15	S15MXHISWTA	S15MXHISWTA: S age at lifetime highest self-reported weight	Cont
16	S16MXHISWTA	S16MXHISWTA: S age at lifetime highest self-reported weight	Cont
7	R7MAXWT	R7MAXWT:W7 R highest ever weight in kilograms	Cont
8	R8MAXWT	R8MAXWT:W8 R highest ever weight in kilograms	Cont
9	R9MAXWT	R9MAXWT:W9 R highest ever weight in kilograms	Cont
10	R10MAXWT	R10MAXWT:W10 R highest ever weight in kilograms	Cont
11	R11MAXWT	R11MAXWT:W11 R highest ever weight in kilograms	Cont
12	R12MAXWT	R12MAXWT:W12 R highest ever weight in kilograms	Cont
13	R13MAXWT	R13MAXWT:W13 R highest ever weight in kilograms	Cont
14	R14MAXWT	R14MAXWT:W14 R highest ever weight in kilograms	Cont
15	R15MAXWT	R15MAXWT:W15 R highest ever weight in kilograms	Cont
16	R16MAXWT	R16MAXWT:W16 R highest ever weight in kilograms	Cont
7	S7MAXWT	S7MAXWT:W7 S highest ever weight in kilograms	Cont
8	S8MAXWT	S8MAXWT:W8 S highest ever weight in kilograms	Cont
9	S9MAXWT	S9MAXWT:W9 S highest ever weight in kilograms	Cont
10	S10MAXWT	S10MAXWT:W10 S highest ever weight in kilograms	Cont
11	S11MAXWT	S11MAXWT:W11 S highest ever weight in kilograms	Cont
12	S12MAXWT	S12MAXWT:W12 S highest ever weight in kilograms	Cont
13	S13MAXWT	S13MAXWT:W13 S highest ever weight in kilograms	Cont
14	S14MAXWT	S14MAXWT:W14 S highest ever weight in kilograms	Cont
15	S15MAXWT	S15MAXWT:W15 S highest ever weight in kilograms	Cont
16	S16MAXWT	S16MAXWT:W16 S highest ever weight in kilograms	Cont
7	R7MAXWTA	R7MAXWTA:W7 R age at highest ever weight	Cont
8	R8MAXWTA	R8MAXWTA:W8 R age at highest ever weight	Cont
9	R9MAXWTA	R9MAXWTA:W9 R age at highest ever weight	Cont
10	R10MAXWTA	R10MAXWTA:W10 R age at highest ever weight	Cont
11	R11MAXWTA	R11MAXWTA:W11 R age at highest ever weight	Cont
12	R12MAXWTA	R12MAXWTA:W12 R age at highest ever weight	Cont
13	R13MAXWTA	R13MAXWTA:W13 R age at highest ever weight	Cont
14	R14MAXWTA	R14MAXWTA:W14 R age at highest ever weight	Cont
15	R15MAXWTA	R15MAXWTA:W15 R age at highest ever weight	Cont
16	R16MAXWTA	R16MAXWTA:W16 R age at highest ever weight	Cont
7	S7MAXWTA	S7MAXWTA:W7 S age at highest ever weight	Cont
8	S8MAXWTA	S8MAXWTA:W8 S age at highest ever weight	Cont
9	S9MAXWTA	S9MAXWTA:W9 S age at highest ever weight	Cont
10	S10MAXWTA	S10MAXWTA:W10 S age at highest ever weight	Cont
11	S11MAXWTA	S11MAXWTA:W11 S age at highest ever weight	Cont
12	S12MAXWTA	S12MAXWTA:W12 S age at highest ever weight	Cont
13	S13MAXWTA	S13MAXWTA:W13 S age at highest ever weight	Cont

14	S14MAXWTA	S14MAXWTA:W14 S age at highest ever weight	Cont
15	S15MAXWTA	S15MAXWTA:W15 S age at highest ever weight	Cont
16	S16MAXWTA	S16MAXWTA:W16 S age at highest ever weight	Cont
7	R7MAXWTSRC	R7MAXWTSRC:W7 Source of highest weight	Categ
8	R8MAXWTSRC	R8MAXWTSRC:W8 Source of highest weight	Categ
9	R9MAXWTSRC	R9MAXWTSRC:W9 Source of highest weight	Categ
10	R10MAXWTSRC	R10MAXWTSRC:W10 Source of highest weight	Categ
11	R11MAXWTSRC	R11MAXWTSRC:W11 Source of highest weight	Categ
12	R12MAXWTSRC	R12MAXWTSRC:W12 Source of highest weight	Categ
13	R13MAXWTSRC	R13MAXWTSRC:W13 Source of highest weight	Categ
14	R14MAXWTSRC	R14MAXWTSRC:W14 Source of highest weight	Categ
15	R15MAXWTSRC	R15MAXWTSRC:W15 Source of highest weight	Categ
16	R16MAXWTSRC	R16MAXWTSRC:W16 Source of highest weight	Categ
7	S7MAXWTSRC	S7MAXWTSRC:W7 Source of highest weight	Categ
8	S8MAXWTSRC	S8MAXWTSRC:W8 Source of highest weight	Categ
9	S9MAXWTSRC	S9MAXWTSRC:W9 Source of highest weight	Categ
10	S10MAXWTSRC	S10MAXWTSRC:W10 Source of highest weight	Categ
11	S11MAXWTSRC	S11MAXWTSRC:W11 Source of highest weight	Categ
12	S12MAXWTSRC	S12MAXWTSRC:W12 Source of highest weight	Categ
13	S13MAXWTSRC	S13MAXWTSRC:W13 Source of highest weight	Categ
14	S14MAXWTSRC	S14MAXWTSRC:W14 Source of highest weight	Categ
15	S15MAXWTSRC	S15MAXWTSRC:W15 Source of highest weight	Categ
16	S16MAXWTSRC	S16MAXWTSRC:W16 Source of highest weight	Categ
7	R7MAXWTSWV	R7MAXWTSWV:W7 Source wave of highest weight	Cont
8	R8MAXWTSWV	R8MAXWTSWV:W8 Source wave of highest weight	Cont
9	R9MAXWTSWV	R9MAXWTSWV:W9 Source wave of highest weight	Cont
10	R10MAXWTSWV	R10MAXWTSWV:W10 Source wave of highest weight	Cont
11	R11MAXWTSWV	R11MAXWTSWV:W11 Source wave of highest weight	Cont
12	R12MAXWTSWV	R12MAXWTSWV:W12 Source wave of highest weight	Cont
13	R13MAXWTSWV	R13MAXWTSWV:W13 Source wave of highest weight	Cont
14	R14MAXWTSWV	R14MAXWTSWV:W14 Source wave of highest weight	Cont
15	R15MAXWTSWV	R15MAXWTSWV:W15 Source wave of highest weight	Cont
16	R16MAXWTSWV	R16MAXWTSWV:W16 Source wave of highest weight	Cont
7	S7MAXWTSWV	S7MAXWTSWV:W7 Source wave of highest weight	Cont
8	S8MAXWTSWV	S8MAXWTSWV:W8 Source wave of highest weight	Cont
9	S9MAXWTSWV	S9MAXWTSWV:W9 Source wave of highest weight	Cont
10	S10MAXWTSWV	S10MAXWTSWV:W10 Source wave of highest weight	Cont
11	S11MAXWTSWV	S11MAXWTSWV:W11 Source wave of highest weight	Cont
12	S12MAXWTSWV	S12MAXWTSWV:W12 Source wave of highest weight	Cont
13	S13MAXWTSWV	S13MAXWTSWV:W13 Source wave of highest weight	Cont
14	S14MAXWTSWV	S14MAXWTSWV:W14 Source wave of highest weight	Cont
15	S15MAXWTSWV	S15MAXWTSWV:W15 Source wave of highest weight	Cont
16	S16MAXWTSWV	S16MAXWTSWV:W16 Source wave of highest weight	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1BMI	12652	27.10	5.18	12.8	102.7
R2BMI	19434	26.45	4.99	12.6	92.2
R3BMI	17773	26.53	5.11	10.8	75.5
R4BMI	21099	26.83	5.24	9.6	74.5
R5BMI	19289	27.04	5.37	11.5	75.5
R6BMI	17818	27.17	5.44	9.5	70.9
R7BMI	19750	27.45	5.67	9.6	71.3
R8BMI	18175	27.84	5.85	10.6	82.7
R9BMI	16983	27.99	5.90	10.6	74.4
R10BMI	21602	28.50	6.20	7.0	79.1
R11BMI	20244	28.50	6.23	8.9	83.0
R12BMI	18442	28.57	6.21	11.0	76.6
R13BMI	20578	28.96	6.36	10.3	92.8

R14BMI	16910	29.07	6.47	10.2	103.6
R15BMI	15505	29.03	6.41	8.1	72.4
R16BMI	15560	29.18	6.61	10.0	109.7
S1BMI	9900	27.03	5.00	12.8	102.7
S2BMI	12960	26.61	4.82	12.6	92.2
S3BMI	11769	26.73	4.88	10.8	75.5
S4BMI	13798	27.07	5.04	12.6	74.5
S5BMI	12552	27.29	5.16	11.5	75.5
S6BMI	11429	27.45	5.19	9.5	70.9
S7BMI	12749	27.67	5.38	12.1	65.7
S8BMI	11558	28.03	5.57	10.6	82.7
S9BMI	10517	28.19	5.62	11.2	66.2
S10BMI	13226	28.63	5.89	9.7	79.1
S11BMI	12284	28.64	5.98	9.4	83.0
S12BMI	10818	28.76	5.95	11.5	76.6
S13BMI	11602	29.09	6.11	12.6	92.8
S14BMI	9231	29.20	6.25	12.9	103.6
S15BMI	8340	29.10	6.15	8.1	69.3
S16BMI	7712	29.07	6.20	10.0	68.4
R1HEIGHT	12652	1.70	0.10	0.9	2.1
R2HEIGHT	19603	1.68	0.10	0.9	2.3
R3HEIGHT	17962	1.68	0.10	0.9	2.3
R4HEIGHT	21347	1.69	0.10	0.9	2.3
R5HEIGHT	19549	1.69	0.10	0.9	2.3
R6HEIGHT	18130	1.69	0.10	0.9	2.1
R7HEIGHT	20068	1.69	0.10	0.9	2.3
R8HEIGHT	18450	1.68	0.10	1.2	2.3
R9HEIGHT	17199	1.68	0.10	0.9	2.3
R10HEIGHT	21877	1.68	0.10	0.9	2.3
R11HEIGHT	20438	1.68	0.10	1.0	2.3
R12HEIGHT	18660	1.68	0.10	1.0	2.3
R13HEIGHT	20795	1.68	0.11	0.9	2.3
R14HEIGHT	17074	1.68	0.11	0.9	2.3
R15HEIGHT	15669	1.68	0.11	1.0	2.3
R16HEIGHT	15690	1.68	0.11	1.0	2.3
S1HEIGHT	9900	1.70	0.10	0.9	2.1
S2HEIGHT	13080	1.70	0.10	0.9	2.1
S3HEIGHT	11910	1.70	0.10	0.9	2.1
S4HEIGHT	13970	1.70	0.10	0.9	2.1
S5HEIGHT	12720	1.70	0.10	0.9	2.1
S6HEIGHT	11622	1.70	0.10	0.9	2.1
S7HEIGHT	12940	1.70	0.10	0.9	2.3
S8HEIGHT	11724	1.70	0.10	1.2	2.3
S9HEIGHT	10634	1.70	0.10	1.2	2.2
S10HEIGHT	13393	1.70	0.10	1.0	2.3
S11HEIGHT	12396	1.69	0.10	1.0	2.3
S12HEIGHT	10946	1.69	0.10	1.0	2.3
S13HEIGHT	11704	1.69	0.11	0.9	2.3
S14HEIGHT	9313	1.69	0.11	0.9	2.3
S15HEIGHT	8439	1.69	0.11	1.0	2.3
S16HEIGHT	7778	1.69	0.11	1.2	2.3
R1WEIGHT	12652	78.21	16.77	36.3	181.4
R2WEIGHT	19464	75.04	16.39	31.8	179.2
R3WEIGHT	17798	75.32	16.77	26.8	176.9
R4WEIGHT	21133	76.47	17.27	22.7	181.4

R5WEIGHT	19315	77.11	17.61	31.3	181.4
R6WEIGHT	17849	77.56	17.85	29.5	181.4
R7WEIGHT	19809	78.48	18.45	25.4	181.4
R8WEIGHT	18189	78.90	18.76	29.5	181.4
R9WEIGHT	16998	79.19	18.97	22.7	181.4
R10WEIGHT	21742	80.84	19.64	22.7	181.4
R11WEIGHT	20348	80.61	19.74	22.7	181.4
R12WEIGHT	18515	80.64	19.72	30.8	181.4
R13WEIGHT	20686	81.86	20.11	27.2	181.4
R14WEIGHT	16976	81.99	20.31	31.3	264.4
R15WEIGHT	15555	81.90	20.18	22.7	204.1
R16WEIGHT	15646	82.39	20.64	26.3	238.1
S1WEIGHT	9900	78.53	16.65	37.6	181.4
S2WEIGHT	12968	76.84	16.24	35.4	179.2
S3WEIGHT	11775	77.28	16.44	26.8	176.9
S4WEIGHT	13807	78.47	17.03	22.7	181.4
S5WEIGHT	12561	79.20	17.32	31.3	181.4
S6WEIGHT	11444	79.84	17.49	31.8	181.4
S7WEIGHT	12780	80.51	18.13	27.2	181.4
S8WEIGHT	11566	80.97	18.43	29.5	181.4
S9WEIGHT	10527	81.32	18.72	22.7	181.4
S10WEIGHT	13333	82.53	19.33	27.2	181.4
S11WEIGHT	12362	82.37	19.48	22.7	181.4
S12WEIGHT	10872	82.58	19.44	31.8	181.4
S13WEIGHT	11671	83.54	19.78	29.0	181.4
S14WEIGHT	9271	83.73	20.11	31.8	264.4
S15WEIGHT	8374	83.51	20.03	22.7	204.1
S16WEIGHT	7767	83.53	20.22	26.3	219.5
R3WGHTCHG	17902	0.78	0.96	0.0	3.0
R4WGHTCHG	5091	0.88	1.02	0.0	3.0
R5WGHTCHG	268	0.93	0.98	0.0	3.0
R6WGHTCHG	229	0.96	1.01	0.0	3.0
R7WGHTCHG	3470	1.04	1.02	0.0	3.0
R8WGHTCHG	212	1.00	1.01	0.0	3.0
R9WGHTCHG	143	0.92	1.01	0.0	3.0
R10WGHTCHG	6432	1.08	0.99	0.0	3.0
R11WGHTCHG	516	0.96	0.98	0.0	3.0
R12WGHTCHG	182	0.99	0.95	0.0	3.0
R13WGHTCHG	4558	1.19	1.03	0.0	3.0
R14WGHTCHG	214	1.07	1.02	0.0	3.0
R15WGHTCHG	194	1.10	1.03	0.0	3.0
R16WGHTCHG	2754	1.19	1.03	0.0	3.0
S3WGHTCHG	11871	0.75	0.96	0.0	3.0
S4WGHTCHG	3505	0.85	1.01	0.0	3.0
S5WGHTCHG	249	0.93	0.98	0.0	3.0
S6WGHTCHG	213	0.95	0.99	0.0	3.0
S7WGHTCHG	2485	1.03	1.03	0.0	3.0
S8WGHTCHG	203	1.00	1.02	0.0	3.0
S9WGHTCHG	139	0.91	1.02	0.0	3.0
S10WGHTCHG	4095	1.04	0.99	0.0	3.0
S11WGHTCHG	448	0.96	0.98	0.0	3.0
S12WGHTCHG	171	0.97	0.95	0.0	3.0
S13WGHTCHG	2519	1.14	1.03	0.0	3.0
S14WGHTCHG	196	1.05	1.01	0.0	3.0
S15WGHTCHG	174	1.11	1.04	0.0	3.0
S16WGHTCHG	1223	1.15	1.06	0.0	3.0

RAMXHISWT	35253	89.26	22.59	26.3	224.5
S1MXHISWT	7422	87.92	19.99	27.7	215.5
S2MXHISWT	9003	86.19	19.83	27.7	215.5
S3MXHISWT	8757	86.19	19.76	42.2	215.5
S4MXHISWT	11483	86.96	20.05	42.2	220.0
S5MXHISWT	11106	87.03	20.07	42.2	220.0
S6MXHISWT	10859	87.32	19.99	42.2	220.0
S7MXHISWT	12930	87.70	20.25	40.8	220.0
S8MXHISWT	11717	87.79	20.29	29.5	215.5
S9MXHISWT	10700	87.86	20.18	29.5	213.2
S10MXHISWT	13697	89.21	21.40	27.2	220.0
S11MXHISWT	12628	89.30	21.47	27.2	220.0
S12MXHISWT	11196	89.27	21.51	27.2	222.3
S13MXHISWT	12099	90.49	22.35	27.2	222.3
S14MXHISWT	9884	90.53	22.21	29.5	222.3
S15MXHISWT	8993	90.30	22.15	29.5	222.3
S16MXHISWT	8299	90.73	22.70	26.3	222.3
RAMXHISWTA	34550	52.53	14.45	13.0	102.0
S1MXHISWTA	7268	57.00	13.71	13.0	84.0
S2MXHISWTA	8786	58.88	15.25	13.0	95.0
S3MXHISWTA	8541	58.82	15.15	13.0	95.0
S4MXHISWTA	11237	57.71	15.01	13.0	95.0
S5MXHISWTA	10868	57.53	14.95	13.0	94.0
S6MXHISWTA	10644	57.40	14.84	13.0	94.0
S7MXHISWTA	12695	55.00	14.71	13.0	93.0
S8MXHISWTA	11525	54.69	14.48	13.0	93.0
S9MXHISWTA	10531	54.29	14.31	13.0	93.0
S10MXHISWTA	13497	51.76	13.26	13.0	90.0
S11MXHISWTA	12451	51.51	13.00	13.0	88.0
S12MXHISWTA	11051	51.00	12.68	13.0	88.0
S13MXHISWTA	11947	49.54	11.99	13.0	88.0
S14MXHISWTA	9756	49.26	11.78	13.0	88.0
S15MXHISWTA	8881	48.89	11.48	13.0	87.0
S16MXHISWTA	8197	48.58	11.50	13.0	91.0
R7MAXWT	20073	86.88	20.52	40.8	220.0
R8MAXWT	18448	87.70	20.69	29.5	215.5
R9MAXWT	17208	88.33	20.68	42.2	213.2
R10MAXWT	21984	90.01	21.76	27.7	222.3
R11MAXWT	20533	90.59	21.91	28.1	222.3
R12MAXWT	18736	90.98	21.94	28.1	222.3
R13MAXWT	20891	92.28	22.72	29.0	222.3
R14MAXWT	17138	92.81	22.88	44.0	264.4
R15MAXWT	15715	93.00	22.83	39.9	222.3
R16MAXWT	15767	93.81	23.44	26.3	238.1
S7MAXWT	12930	88.23	20.29	40.8	220.0
S8MAXWT	11720	89.01	20.40	29.5	215.5
S9MAXWT	10641	89.61	20.39	42.2	213.2
S10MAXWT	13477	90.96	21.54	27.7	220.0
S11MAXWT	12471	91.53	21.70	28.1	220.0
S12MAXWT	11007	91.95	21.82	28.1	222.3
S13MAXWT	11769	93.03	22.46	29.0	222.3
S14MAXWT	9356	93.48	22.54	44.0	264.4
S15MAXWT	8473	93.47	22.46	39.9	222.3

S16MAXWT	7829	93.91	23.02	26.3	222.3
R7MAXWTA	19702	56.64	15.12	13.0	97.0
R8MAXWTA	18166	57.28	14.90	13.0	99.0
R9MAXWTA	16984	57.86	14.81	13.0	100.0
R10MAXWTA	21730	55.20	14.25	13.0	97.0
R11MAXWTA	20335	55.75	14.14	13.0	99.0
R12MAXWTA	18578	56.09	14.01	13.0	97.0
R13MAXWTA	20721	54.23	13.69	13.0	97.0
R14MAXWTA	17025	54.82	13.59	13.0	103.0
R15MAXWTA	15614	54.82	13.35	13.0	99.0
R16MAXWTA	15646	54.41	13.41	13.0	98.0
S7MAXWTA	12734	55.19	14.35	13.0	93.0
S8MAXWTA	11585	55.75	14.17	13.0	93.0
S9MAXWTA	10533	56.42	14.09	13.0	93.0
S10MAXWTA	13346	54.06	13.57	13.0	94.0
S11MAXWTA	12370	54.57	13.37	13.0	94.0
S12MAXWTA	10932	54.88	13.31	13.0	96.0
S13MAXWTA	11691	53.35	13.09	13.0	92.0
S14MAXWTA	9301	53.99	13.10	13.0	93.0
S15MAXWTA	8424	54.07	12.87	13.0	93.0
S16MAXWTA	7779	53.90	12.97	13.0	94.0
R7MAXWTSRC	20129	1.16	0.37	1.0	2.0
R8MAXWTSRC	18469	1.36	0.62	1.0	3.0
R9MAXWTSRC	17217	1.51	0.73	1.0	3.0
R10MAXWTSRC	22034	1.48	0.75	1.0	3.0
R11MAXWTSRC	20554	1.61	0.81	1.0	3.0
R12MAXWTSRC	18747	1.68	0.83	1.0	3.0
R13MAXWTSRC	20912	1.63	0.83	1.0	3.0
R14MAXWTSRC	17146	1.72	0.85	1.0	3.0
R15MAXWTSRC	15723	1.72	0.83	1.0	3.0
R16MAXWTSRC	15787	1.67	0.83	1.0	3.0
S7MAXWTSRC	12972	1.14	0.34	1.0	2.0
S8MAXWTSRC	11735	1.36	0.64	1.0	3.0
S9MAXWTSRC	10646	1.53	0.76	1.0	3.0
S10MAXWTSRC	13513	1.50	0.77	1.0	3.0
S11MAXWTSRC	12484	1.63	0.83	1.0	3.0
S12MAXWTSRC	11012	1.70	0.85	1.0	3.0
S13MAXWTSRC	11779	1.66	0.85	1.0	3.0
S14MAXWTSRC	9358	1.75	0.87	1.0	3.0
S15MAXWTSRC	8477	1.75	0.84	1.0	3.0
S16MAXWTSRC	7840	1.71	0.84	1.0	3.0
R7MAXWTSWV	20129	6.49	1.36	1.0	7.0
R8MAXWTSWV	18469	6.76	1.37	1.0	8.0
R9MAXWTSWV	17217	7.09	1.51	1.0	9.0
R10MAXWTSWV	22034	8.19	1.85	1.0	10.0
R11MAXWTSWV	20554	8.52	1.99	1.0	11.0
R12MAXWTSWV	18747	8.88	2.19	1.0	12.0
R13MAXWTSWV	20912	10.08	2.64	1.0	13.0
R14MAXWTSWV	17146	10.46	2.80	1.0	14.0
R15MAXWTSWV	15723	10.75	2.91	1.0	15.0
R16MAXWTSWV	15787	11.99	3.40	1.0	16.0
S7MAXWTSWV	12972	6.58	1.23	1.0	7.0
S8MAXWTSWV	11735	6.86	1.25	1.0	8.0

S9MAXWTSWV	10646	7.20	1.41	1.0	9.0
S10MAXWTSWV	13513	8.31	1.76	1.0	10.0
S11MAXWTSWV	12484	8.67	1.93	1.0	11.0
S12MAXWTSWV	11012	9.07	2.13	1.0	12.0
S13MAXWTSWV	11779	10.25	2.54	1.0	13.0
S14MAXWTSWV	9358	10.66	2.73	1.0	14.0
S15MAXWTSWV	8477	10.98	2.84	1.0	15.0
S16MAXWTSWV	7840	12.05	3.30	1.0	16.0

Categorical Variable Codes

RwWGHTCHG: R gained/lost 10 lbs, prv 2 yrs

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			81	2	2	1	5	1		15
.M=Oth missing			3							
.R=RF			5			2	1			3
.S=Skip				16291	19308	17933	16653	18256	17074	15584
0.No			9947	2524	117	100	1377	87	66	2338
1.Yes, gained			2841	1101	74	58	919	59	35	1827
2.Yes, lost			4298	1022	55	51	823	45	29	1679
3.Yes, gained and lost			816	444	22	20	351	21	13	588

Value	w11	w12	w13	w14	w15	w16
.D=DK	1	1	9	1	1	9
.M=Oth missing	1					1
.R=RF	1					2
.S=Skip	20035	18564	16345	16931	15528	13021
0.No	225	69	1504	83	71	942
1.Yes, gained	121	60	1279	53	55	671
2.Yes, lost	138	39	1195	58	45	823
3.Yes, gained and lost	32	14	580	20	23	318

SwWGHTCHG: S gained/lost 10 lbs, prv 2 yrs

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			40	1	2		3	1		11
.M=Oth missing			2							
.R=RF			4			2	1			1
.S=Skip				10474	12479	11424	10483	11531	10507	9406
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			6704	1785	108	92	1022	83	65	1561
1.Yes, gained			1972	770	71	57	637	57	34	1155
2.Yes, lost			2607	637	50	47	562	42	27	1024
3.Yes, gained and lost			588	313	20	17	264	21	13	355

Value	w11	w12	w13	w14	w15	w16
.D=DK	1	1	6	1	1	2
.M=Oth missing						
.R=RF	1					1
.S=Skip	12034	10840	9254	9161	8302	6614
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406

0.No	195	67	878	78	63	446
1.Yes, gained	104	55	703	48	51	301
2.Yes, lost	121	36	640	53	38	319
3.Yes, gained and lost	28	13	298	17	22	157

RwMAXWTSRC: Source of highest weight

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Self Rep Historical							16929	13284	10943	14799
2.Self Rep in Source WV							3200	3752	3776	3805
3.Phys Meas in Source WV								1433	2498	3430

Value	w11	w12	w13	w14	w15	w16
1.Self Rep Historical	12303	10439	12508	9282	8182	8862
2.Self Rep in Source WV	3990	3908	3734	3379	3750	3286
3.Phys Meas in Source WV	4261	4400	4670	4485	3791	3639

SwMAXWTSRC: Source of highest weight

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried							6777	6417	6206	7797
.V=Spouse NR							380	317	365	724
1.Self Rep Historical							11208	8536	6755	9063
2.Self Rep in Source WV							1764	2164	2154	2140
3.Phys Meas in Source WV								1035	1737	2310

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Self Rep Historical	7426	6060	6877	4978	4322	4253
2.Self Rep in Source WV	2266	2151	2015	1739	1952	1607
3.Phys Meas in Source WV	2792	2801	2887	2641	2203	1980

General Comments

RwBMI, RwHEIGHT, and RwWEIGHT are based on self-reported (or proxy-reported) data. Please refer to the "Physical Measures: BMI, Height, Weight, Waist" section for RwPMBMI, RwPMHGHT, and RwPMWGHT, which are based on physically-measured data.

How Constructed

RwBMI, RwHEIGHT, and RwWEIGHT are the Respondent's body mass index, height, and weight based on self-reported (or proxy-reported) data. SwBMI, SwHEIGHT, and SwWEIGHT are this information for the Respondent's spouse or partner.

BMI is calculated using the weight divided by the square height $\frac{weight}{height^2}$. Height, given in feet and inches, is converted to meters. Weight is converted to kilograms. Height is frequently missing from Wave 3 forward. The Wave 1 or 2 height is used to fill missing heights in later waves.

RwWGHTCHG indicates whether the Respondent has gained or lost 10 or more pounds in the last two years and is available from Wave 3 forward. A Respondent may indicate that they didn't have a 10-pound weight change, gained at least 10 pounds, lost at least 10 pounds, or both gained or lost at least 10 pounds in the period. If a Respondent is a reinterview the question this variable is based on is not asked and RwWGHTCHG is set to ".S=skip." If a Respondent is asked this question in a different wave despite being a reinterview RwWGHTCHG is coded for both waves.

RAMXHISWT is the Respondent's lifetime highest self-reported weight in kilograms. In Wave 7, all Respondents are asked, "Up to the present time, what is the most you have ever weighed?" Female Respondents are instructed to not include weight during pregnancy. In later waves, only new Respondents are asked this question. RAMXHISWT is provided in kilograms and takes either the direct report to this question in kilograms or converts it from the reported value in pounds. If a Respondent offers an implausible weight, defined as under 25 KG or over 225 KG, then these variables are set to ".E=implausible report." If a Respondent did not answer this question previously but had a preload value indicating they shouldn't be asked the question then RAMXHISWT is set to ".S=Skipped."

RAMXHISWTA captures the follow-up question of how old the Respondent was when they weighed the most. If the Respondent provided an age below the age of 13 or if the Respondent gave an age higher than their current age, then RAMXHISWTA is set to ".E=implausible report." If the Respondent was a reinterview but has a missing value in RAMXHISWT, then RAMXHISWTA is set to ".S=skip" to reflect that the Respondent wasn't asked the question about their age at highest weight. In a small number of cases, the questions used to calculate RAMXHISWT and RAMXHISWTA may be administered a second time, in these cases RAMXHISWT and RAMXHISWTA retain the Respondent's first non-missing response.

RwMAXWT, RwMAXWTA, RwMAXWTSRC, and RwMAXWTSWV indicate the Respondent's calculated highest weight in kilograms, the age at highest weight, the source of the Respondent's highest weight, and the source wave of the Respondent's highest weight as of the current wave.

RwMAXWT is the Respondent's highest weight in kilograms as of the current wave, calculated as the highest weight from their self-reported historical highest weight as captured in RAMXHISWT, their self-reported highest weight from all reports provided in RwWEIGHT from Wave 1 to the current wave, and all physical measurements of weight captured in RwPMWGHT from Wave 8 to the current wave. RwMAXWTA is the Respondent's age from RAMXHISWTA or their age at their highest weight from their self or measured reports.

RwMAXWT, RwMAXWTA, RwMAXWTSRC, and RwMAXWTSWV are only provided from Wave 7 forward as that is the first wave where the historical weight question is asked. If a Respondent reports the same weight from multiple sources the historical weight is sourced first, followed by the earliest recorded self-reported weight, and lastly the earliest reported physical measure weight.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3BMI is taken from the Wave 3 spouse's R3BMI.

Cross Wave Differences in Original HRS Data

Questions ask the Respondent's current weight in pounds at each wave. The Respondent's height in feet and inches is asked of everyone in Waves 1 and 2H. In Wave 2A, height is asked in inches. From Wave 3 forward, only new interviewees are asked their height. Prior to Wave 14, if the Respondent's weight is over 400 pounds the interviewer is instructed to enter 400 pounds. From Wave 14 forward, Respondents can have reported weight values higher than 400 pounds (converted to kilograms in RwWEIGHT).

The question used to construct RwWGHTCHG is first asked in Wave 3 and is asked of all Respondents. After Wave 3, it is asked only of new Respondents.

The questions used to construct RAMXHISWT and RAMXHISWTA are first asked in Wave 7 for all Respondents. After Wave 7, they are asked only of new Respondents. For Respondents who did not respond after Wave 6, RAMXHISWT and RAMXHISWTA are set to .Q to indicate that the questions were not asked in the earlier waves. In Wave 7, highest weight is provided by HRS as weight in pounds or kilograms separately. After Wave 7, if a Respondent answers in terms of kilograms the amount is converted to pounds in the core data. Prior to Wave 12, HRS provides the highest weights as either an age or the year when that weight occurred separately. Starting in Wave 12, HRS converts the reported amount to age before reporting it. All reported weights are converted to kilograms and RAMXHISWT is provided as highest historical weight in kilograms.

In Wave 12 and 13 only, when recording the answer to the highest-weight-ever question, the Interviewer is instructed to enter 400 pounds if the Respondent reports a weight over 400 pounds.

HRS Variables Used

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HRS 1992:
    V515            B41:WEIGHT          :IMP
    V517            B43:HEIGHT-FT       :IMP
    V518            B43:HEIGHT-INCHES   :IMP
AHEAD 1993:
    B304            B22. WEIGHT NOW
    B306            B23. HEIGHT IN INCHES
HRS 1994:
    W462            B45.WEIGHT
    W463            B45a.HEIGHT-FEET
    W464            B45a.HEIGHT-INCHES
AHEAD 1995:
    D370            W1 INTERV
    D954            B22. WEIGHT W2
    D955            B22A. CHANGE WEIGHT
    D958            B22D.  HEIGHT FEET
    D959            B22E.  HEIGHT INCHES
HRS 1996:
    E370            PREV WAVE INTERV
    E954            B22. WEIGHT W2
    E955            B22A. CHANGE WEIGHT
    E958            B22D.  HEIGHT FEET
    E959            B22E.  HEIGHT INCHES
HRS 1998:
    F1291           B22. WEIGHT CURRENT WAVE
    F1292           B22A. CHANGE WEIGHT
    F1295           B22D.  HEIGHT FEET
    F1296           B22E.  HEIGHT INCHES
    F682            PREVIOUS WAVE INTERV
HRS 2000:
    G1425           B22. WEIGHT CURRENT WAVE
    G1426           B22A. CHANGE WEIGHT
    G1428           B22D.HEIGHT FEET
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    G1429           B22E.HEIGHT INCHES
    G753            CS22Y30.PREVIOUS WAVE INTERV
HRS 2004:
    JC227           MOST EVER WEIGH- KG
HRS 2002-2022:
    xA019           R CURRENT AGE CALCULATION
    xC139           WEIGHT IN POUNDS
    xC140           WEIGHT GAIN/LOSS 10 LBS. SINCE PREV WAVE
    xC141           HEIGHT FEET
    xC142           HEIGHT INCHES
    xZ076           R EVER INTERVIEWED
    xZ093           PREV WAVE IW YEAR
HRS 2004-2010:
    xC228A          MOST EVER WEIGH- WHAT AGE-YR GIVEN
HRS 2004-2022:
    xC226           MOST EVER WEIGH- POUNDS
    xC228           MOST EVER WEIGH- WHAT AGE
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Falls and Injuries

Wave	Variable	Label	Type
2	R2FALLEN	R2FALLEN:W2 R fallen prv 2 yrs/since PrvIvw	Categ
3	R3FALLEN	R3FALLEN:W3 R fallen prv 2 yrs/since PrvIvw	Categ
4	R4FALLEN	R4FALLEN:W4 R fallen prv 2 yrs/since PrvIvw	Categ
5	R5FALLEN	R5FALLEN:W5 R fallen prv 2 yrs/since PrvIvw	Categ
6	R6FALLEN	R6FALLEN:W6 R fallen prv 2 yrs/since PrvIvw	Categ
7	R7FALLEN	R7FALLEN:W7 R fallen prv 2 yrs/since PrvIvw	Categ
8	R8FALLEN	R8FALLEN:W8 R fallen prv 2 yrs/since PrvIvw	Categ
9	R9FALLEN	R9FALLEN:W9 R fallen prv 2 yrs/since PrvIvw	Categ
10	R10FALLEN	R10FALLEN:W10 R fallen prv 2 yrs/since PrvIvw	Categ
11	R11FALLEN	R11FALLEN:W11 R fallen prv 2 yrs/since PrvIvw	Categ
12	R12FALLEN	R12FALLEN:W12 R fallen prv 2 yrs/since PrvIvw	Categ
13	R13FALLEN	R13FALLEN:W13 R fallen prv 2 yrs/since PrvIvw	Categ
14	R14FALLEN	R14FALLEN:W14 R fallen prv 2 yrs/since PrvIvw	Categ
15	R15FALLEN	R15FALLEN:W15 R fallen prv 2 yrs/since PrvIvw	Categ
16	R16FALLEN	R16FALLEN:W16 R fallen prv 2 yrs/since PrvIvw	Categ
2	S2FALLEN	S2FALLEN:W2 S fallen prv 2 yrs/since PrvIvw	Categ
3	S3FALLEN	S3FALLEN:W3 S fallen prv 2 yrs/since PrvIvw	Categ
4	S4FALLEN	S4FALLEN:W4 S fallen prv 2 yrs/since PrvIvw	Categ
5	S5FALLEN	S5FALLEN:W5 S fallen prv 2 yrs/since PrvIvw	Categ
6	S6FALLEN	S6FALLEN:W6 S fallen prv 2 yrs/since PrvIvw	Categ
7	S7FALLEN	S7FALLEN:W7 S fallen prv 2 yrs/since PrvIvw	Categ
8	S8FALLEN	S8FALLEN:W8 S fallen prv 2 yrs/since PrvIvw	Categ
9	S9FALLEN	S9FALLEN:W9 S fallen prv 2 yrs/since PrvIvw	Categ
10	S10FALLEN	S10FALLEN:W10 S fallen prv 2 yrs/since PrvIvw	Categ
11	S11FALLEN	S11FALLEN:W11 S fallen prv 2 yrs/since PrvIvw	Categ
12	S12FALLEN	S12FALLEN:W12 S fallen prv 2 yrs/since PrvIvw	Categ
13	S13FALLEN	S13FALLEN:W13 S fallen prv 2 yrs/since PrvIvw	Categ
14	S14FALLEN	S14FALLEN:W14 S fallen prv 2 yrs/since PrvIvw	Categ
15	S15FALLEN	S15FALLEN:W15 S fallen prv 2 yrs/since PrvIvw	Categ
16	S16FALLEN	S16FALLEN:W16 S fallen prv 2 yrs/since PrvIvw	Categ
2	R2FALLINJ	R2FALLINJ:W2 R serious injury due to fall	Categ
3	R3FALLINJ	R3FALLINJ:W3 R serious injury due to fall	Categ
4	R4FALLINJ	R4FALLINJ:W4 R serious injury due to fall	Categ
5	R5FALLINJ	R5FALLINJ:W5 R serious injury due to fall	Categ
6	R6FALLINJ	R6FALLINJ:W6 R serious injury due to fall	Categ
7	R7FALLINJ	R7FALLINJ:W7 R serious injury due to fall	Categ
8	R8FALLINJ	R8FALLINJ:W8 R serious injury due to fall	Categ
9	R9FALLINJ	R9FALLINJ:W9 R serious injury due to fall	Categ
10	R10FALLINJ	R10FALLINJ:W10 R serious injury due to fall	Categ
11	R11FALLINJ	R11FALLINJ:W11 R serious injury due to fall	Categ
12	R12FALLINJ	R12FALLINJ:W12 R serious injury due to fall	Categ
13	R13FALLINJ	R13FALLINJ:W13 R serious injury due to fall	Categ
14	R14FALLINJ	R14FALLINJ:W14 R serious injury due to fall	Categ
15	R15FALLINJ	R15FALLINJ:W15 R serious injury due to fall	Categ
16	R16FALLINJ	R16FALLINJ:W16 R serious injury due to fall	Categ
2	S2FALLINJ	S2FALLINJ:W2 S serious injury due to fall	Categ
3	S3FALLINJ	S3FALLINJ:W3 S serious injury due to fall	Categ
4	S4FALLINJ	S4FALLINJ:W4 S serious injury due to fall	Categ
5	S5FALLINJ	S5FALLINJ:W5 S serious injury due to fall	Categ
6	S6FALLINJ	S6FALLINJ:W6 S serious injury due to fall	Categ
7	S7FALLINJ	S7FALLINJ:W7 S serious injury due to fall	Categ
8	S8FALLINJ	S8FALLINJ:W8 S serious injury due to fall	Categ
9	S9FALLINJ	S9FALLINJ:W9 S serious injury due to fall	Categ
10	S10FALLINJ	S10FALLINJ:W10 S serious injury due to fall	Categ
11	S11FALLINJ	S11FALLINJ:W11 S serious injury due to fall	Categ
12	S12FALLINJ	S12FALLINJ:W12 S serious injury due to fall	Categ
13	S13FALLINJ	S13FALLINJ:W13 S serious injury due to fall	Categ
14	S14FALLINJ	S14FALLINJ:W14 S serious injury due to fall	Categ
15	S15FALLINJ	S15FALLINJ:W15 S serious injury due to fall	Categ
16	S16FALLINJ	S16FALLINJ:W16 S serious injury due to fall	Categ
3	R3FALLTIM	R3FALLTIM:W3 R times fallen prv 2 yrs/since PrvIvw	Cont
4	R4FALLTIM	R4FALLTIM:W4 R times fallen prv 2 yrs/since PrvIvw	Cont

5	R5FALLTIM	R5FALLTIM:W5 R times fallen prv 2 yrs/since PrvIvw	Cont
6	R6FALLTIM	R6FALLTIM:W6 R times fallen prv 2 yrs/since PrvIvw	Cont
7	R7FALLTIM	R7FALLTIM:W7 R times fallen prv 2 yrs/since PrvIvw	Cont
8	R8FALLTIM	R8FALLTIM:W8 R times fallen prv 2 yrs/since PrvIvw	Cont
9	R9FALLTIM	R9FALLTIM:W9 R times fallen prv 2 yrs/since PrvIvw	Cont
10	R10FALLTIM	R10FALLTIM:W10 R times fallen prv 2 yrs/since PrvIvw	Cont
11	R11FALLTIM	R11FALLTIM:W11 R times fallen prv 2 yrs/since PrvIvw	Cont
12	R12FALLTIM	R12FALLTIM:W12 R times fallen prv 2 yrs/since PrvIvw	Cont
13	R13FALLTIM	R13FALLTIM:W13 R times fallen prv 2 yrs/since PrvIvw	Cont
14	R14FALLTIM	R14FALLTIM:W14 R times fallen prv 2 yrs/since PrvIvw	Cont
15	R15FALLTIM	R15FALLTIM:W15 R times fallen prv 2 yrs/since PrvIvw	Cont
16	R16FALLTIM	R16FALLTIM:W16 R times fallen prv 2 yrs/since PrvIvw	Cont
3	S3FALLTIM	S3FALLTIM:W3 S times fallen prv 2 yrs/since PrvIvw	Cont
4	S4FALLTIM	S4FALLTIM:W4 S times fallen prv 2 yrs/since PrvIvw	Cont
5	S5FALLTIM	S5FALLTIM:W5 S times fallen prv 2 yrs/since PrvIvw	Cont
6	S6FALLTIM	S6FALLTIM:W6 S times fallen prv 2 yrs/since PrvIvw	Cont
7	S7FALLTIM	S7FALLTIM:W7 S times fallen prv 2 yrs/since PrvIvw	Cont
8	S8FALLTIM	S8FALLTIM:W8 S times fallen prv 2 yrs/since PrvIvw	Cont
9	S9FALLTIM	S9FALLTIM:W9 S times fallen prv 2 yrs/since PrvIvw	Cont
10	S10FALLTIM	S10FALLTIM:W10 S times fallen prv 2 yrs/since PrvIvw	Cont
11	S11FALLTIM	S11FALLTIM:W11 S times fallen prv 2 yrs/since PrvIvw	Cont
12	S12FALLTIM	S12FALLTIM:W12 S times fallen prv 2 yrs/since PrvIvw	Cont
13	S13FALLTIM	S13FALLTIM:W13 S times fallen prv 2 yrs/since PrvIvw	Cont
14	S14FALLTIM	S14FALLTIM:W14 S times fallen prv 2 yrs/since PrvIvw	Cont
15	S15FALLTIM	S15FALLTIM:W15 S times fallen prv 2 yrs/since PrvIvw	Cont
16	S16FALLTIM	S16FALLTIM:W16 S times fallen prv 2 yrs/since PrvIvw	Cont
2	R2HIPFRAC	R2HIPFRAC:W2 R fractured hip ever/since PrvIvw	Categ
3	R3HIPFRAC	R3HIPFRAC:W3 R fractured hip ever/since PrvIvw	Categ
4	R4HIPFRAC	R4HIPFRAC:W4 R fractured hip ever/since PrvIvw	Categ
5	R5HIPFRAC	R5HIPFRAC:W5 R fractured hip ever/since PrvIvw	Categ
6	R6HIPFRAC	R6HIPFRAC:W6 R fractured hip ever/since PrvIvw	Categ
7	R7HIPFRAC	R7HIPFRAC:W7 R fractured hip ever/since PrvIvw	Categ
8	R8HIPFRAC	R8HIPFRAC:W8 R fractured hip ever/since PrvIvw	Categ
9	R9HIPFRAC	R9HIPFRAC:W9 R fractured hip ever/since PrvIvw	Categ
10	R10HIPFRAC	R10HIPFRAC:W10 R fractured hip ever/since PrvIvw	Categ
11	R11HIPFRAC	R11HIPFRAC:W11 R fractured hip ever/since PrvIvw	Categ
12	R12HIPFRAC	R12HIPFRAC:W12 R fractured hip ever/since PrvIvw	Categ
13	R13HIPFRAC	R13HIPFRAC:W13 R fractured hip ever/since PrvIvw	Categ
14	R14HIPFRAC	R14HIPFRAC:W14 R fractured hip ever/since PrvIvw	Categ
15	R15HIPFRAC	R15HIPFRAC:W15 R fractured hip ever/since PrvIvw	Categ
16	R16HIPFRAC	R16HIPFRAC:W16 R fractured hip ever/since PrvIvw	Categ
2	S2HIPFRAC	S2HIPFRAC:W2 S fractured hip ever/since PrvIvw	Categ
3	S3HIPFRAC	S3HIPFRAC:W3 S fractured hip ever/since PrvIvw	Categ
4	S4HIPFRAC	S4HIPFRAC:W4 S fractured hip ever/since PrvIvw	Categ
5	S5HIPFRAC	S5HIPFRAC:W5 S fractured hip ever/since PrvIvw	Categ
6	S6HIPFRAC	S6HIPFRAC:W6 S fractured hip ever/since PrvIvw	Categ
7	S7HIPFRAC	S7HIPFRAC:W7 S fractured hip ever/since PrvIvw	Categ
8	S8HIPFRAC	S8HIPFRAC:W8 S fractured hip ever/since PrvIvw	Categ
9	S9HIPFRAC	S9HIPFRAC:W9 S fractured hip ever/since PrvIvw	Categ
10	S10HIPFRAC	S10HIPFRAC:W10 S fractured hip ever/since PrvIvw	Categ
11	S11HIPFRAC	S11HIPFRAC:W11 S fractured hip ever/since PrvIvw	Categ
12	S12HIPFRAC	S12HIPFRAC:W12 S fractured hip ever/since PrvIvw	Categ
13	S13HIPFRAC	S13HIPFRAC:W13 S fractured hip ever/since PrvIvw	Categ
14	S14HIPFRAC	S14HIPFRAC:W14 S fractured hip ever/since PrvIvw	Categ
15	S15HIPFRAC	S15HIPFRAC:W15 S fractured hip ever/since PrvIvw	Categ
16	S16HIPFRAC	S16HIPFRAC:W16 S fractured hip ever/since PrvIvw	Categ
E	REFALLEN	REFALLEN:EXIT Fallen since last iw	Categ
E	REFALLINJ	REFALLINJ:EXIT Serious injury due to fall	Categ
E	REFALLTIM	REFALLTIM:EXIT Number of times fallen	Cont
E	REHIPFRAC	REHIPFRAC:EXIT Fractured hip since last iw	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2FALLEN	8220	0.25	0.43	0.0	1.0
R3FALLEN	7599	0.31	0.46	0.0	1.0
R4FALLEN	11108	0.30	0.46	0.0	1.0
R5FALLEN	10697	0.29	0.45	0.0	1.0
R6FALLEN	10847	0.29	0.46	0.0	1.0
R7FALLEN	11075	0.33	0.47	0.0	1.0
R8FALLEN	11327	0.34	0.47	0.0	1.0
R9FALLEN	11315	0.38	0.49	0.0	1.0
R10FALLEN	10905	0.38	0.49	0.0	1.0
R11FALLEN	10705	0.37	0.48	0.0	1.0
R12FALLEN	10344	0.37	0.48	0.0	1.0
R13FALLEN	9947	0.38	0.48	0.0	1.0
R14FALLEN	8984	0.37	0.48	0.0	1.0
R15FALLEN	8953	0.36	0.48	0.0	1.0
R16FALLEN	8952	0.36	0.48	0.0	1.0
S2FALLEN	4347	0.22	0.41	0.0	1.0
S3FALLEN	4158	0.28	0.45	0.0	1.0
S4FALLEN	6320	0.26	0.44	0.0	1.0
S5FALLEN	6037	0.25	0.43	0.0	1.0
S6FALLEN	6136	0.26	0.44	0.0	1.0
S7FALLEN	6357	0.29	0.45	0.0	1.0
S8FALLEN	6451	0.30	0.46	0.0	1.0
S9FALLEN	6389	0.36	0.48	0.0	1.0
S10FALLEN	6148	0.35	0.48	0.0	1.0
S11FALLEN	5980	0.35	0.48	0.0	1.0
S12FALLEN	5574	0.35	0.48	0.0	1.0
S13FALLEN	5200	0.35	0.48	0.0	1.0
S14FALLEN	4626	0.35	0.48	0.0	1.0
S15FALLEN	4587	0.34	0.47	0.0	1.0
S16FALLEN	4347	0.34	0.47	0.0	1.0
R2FALLINJ	2032	0.30	0.46	0.0	1.0
R3FALLINJ	2347	0.37	0.48	0.0	1.0
R4FALLINJ	3305	0.37	0.48	0.0	1.0
R5FALLINJ	3089	0.35	0.48	0.0	1.0
R6FALLINJ	3195	0.35	0.48	0.0	1.0
R7FALLINJ	3638	0.33	0.47	0.0	1.0
R8FALLINJ	3824	0.33	0.47	0.0	1.0
R9FALLINJ	4313	0.33	0.47	0.0	1.0
R10FALLINJ	4159	0.32	0.47	0.0	1.0
R11FALLINJ	3935	0.32	0.47	0.0	1.0
R12FALLINJ	3777	0.32	0.47	0.0	1.0
R13FALLINJ	3745	0.33	0.47	0.0	1.0
R14FALLINJ	3329	0.32	0.47	0.0	1.0
R15FALLINJ	3220	0.30	0.46	0.0	1.0
R16FALLINJ	3228	0.32	0.46	0.0	1.0
S2FALLINJ	943	0.28	0.45	0.0	1.0
S3FALLINJ	1146	0.34	0.47	0.0	1.0
S4FALLINJ	1612	0.32	0.47	0.0	1.0
S5FALLINJ	1488	0.31	0.46	0.0	1.0
S6FALLINJ	1589	0.31	0.46	0.0	1.0
S7FALLINJ	1839	0.30	0.46	0.0	1.0
S8FALLINJ	1941	0.29	0.45	0.0	1.0
S9FALLINJ	2280	0.31	0.46	0.0	1.0

S10FALLINJ	2156	0.29	0.45	0.0	1.0
S11FALLINJ	2078	0.29	0.45	0.0	1.0
S12FALLINJ	1926	0.29	0.45	0.0	1.0
S13FALLINJ	1810	0.30	0.46	0.0	1.0
S14FALLINJ	1613	0.29	0.45	0.0	1.0
S15FALLINJ	1567	0.27	0.44	0.0	1.0
S16FALLINJ	1463	0.27	0.44	0.0	1.0
R3FALLTIM	2297	2.77	5.69	0.0	100.0
R4FALLTIM	3201	2.45	2.75	0.0	20.0
R5FALLTIM	3001	2.42	2.62	0.0	20.0
R6FALLTIM	3088	2.64	3.94	0.0	50.0
R7FALLTIM	3540	2.82	4.54	1.0	50.0
R8FALLTIM	3695	2.73	3.70	0.0	50.0
R9FALLTIM	4203	2.95	4.35	0.0	50.0
R10FALLTIM	4044	3.34	5.07	0.0	50.0
R11FALLTIM	3851	3.28	4.84	0.0	50.0
R12FALLTIM	3705	3.24	4.84	0.0	50.0
R13FALLTIM	3653	3.45	4.93	0.0	50.0
R14FALLTIM	3263	3.32	4.89	0.0	50.0
R15FALLTIM	3153	3.22	4.44	0.0	50.0
R16FALLTIM	3178	3.10	4.07	0.0	50.0
S3FALLTIM	1128	2.69	5.34	1.0	100.0
S4FALLTIM	1566	2.48	2.87	0.0	20.0
S5FALLTIM	1447	2.32	2.41	0.0	20.0
S6FALLTIM	1540	2.61	4.11	0.0	50.0
S7FALLTIM	1795	2.92	5.07	1.0	50.0
S8FALLTIM	1878	2.70	3.50	0.0	50.0
S9FALLTIM	2213	2.98	4.57	0.0	50.0
S10FALLTIM	2104	3.50	5.62	0.0	50.0
S11FALLTIM	2033	3.32	5.08	0.0	50.0
S12FALLTIM	1897	3.33	5.00	0.0	50.0
S13FALLTIM	1771	3.43	4.70	0.0	50.0
S14FALLTIM	1581	3.38	5.11	0.0	50.0
S15FALLTIM	1535	3.21	4.54	0.0	50.0
S16FALLTIM	1443	3.03	3.99	0.0	50.0
R2HIPFRAC	8220	0.05	0.21	0.0	1.0
R3HIPFRAC	7604	0.02	0.13	0.0	1.0
R4HIPFRAC	11124	0.02	0.14	0.0	1.0
R5HIPFRAC	10712	0.01	0.11	0.0	1.0
R6HIPFRAC	10865	0.02	0.13	0.0	1.0
R7HIPFRAC	11089	0.02	0.13	0.0	1.0
R8HIPFRAC	11342	0.02	0.13	0.0	1.0
R9HIPFRAC	11333	0.02	0.12	0.0	1.0
R10HIPFRAC	10926	0.02	0.13	0.0	1.0
R11HIPFRAC	10720	0.02	0.13	0.0	1.0
R12HIPFRAC	10352	0.02	0.13	0.0	1.0
R13HIPFRAC	9963	0.02	0.13	0.0	1.0
R14HIPFRAC	8985	0.02	0.12	0.0	1.0
R15HIPFRAC	8967	0.01	0.12	0.0	1.0
R16HIPFRAC	8958	0.02	0.12	0.0	1.0
S2HIPFRAC	4349	0.03	0.18	0.0	1.0
S3HIPFRAC	4156	0.01	0.10	0.0	1.0
S4HIPFRAC	6328	0.01	0.11	0.0	1.0
S5HIPFRAC	6042	0.01	0.09	0.0	1.0
S6HIPFRAC	6149	0.01	0.10	0.0	1.0

S7HIPFRAC	6365	0.01	0.10	0.0	1.0
S8HIPFRAC	6456	0.01	0.10	0.0	1.0
S9HIPFRAC	6394	0.01	0.10	0.0	1.0
S10HIPFRAC	6160	0.01	0.10	0.0	1.0
S11HIPFRAC	5991	0.01	0.11	0.0	1.0
S12HIPFRAC	5578	0.01	0.11	0.0	1.0
S13HIPFRAC	5206	0.01	0.10	0.0	1.0
S14HIPFRAC	4629	0.01	0.10	0.0	1.0
S15HIPFRAC	4597	0.01	0.10	0.0	1.0
S16HIPFRAC	4358	0.01	0.10	0.0	1.0
REFALLEN	15293	0.52	0.50	0.0	1.0
REFALLINJ	7937	0.46	0.50	0.0	1.0
REFALLTIM	7417	3.81	4.88	0.0	50.0
REHIPFRAC	15434	0.07	0.25	0.0	1.0

Categorical Variable Codes

RwFALLEN: R fallen prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age ineligible			10383	10258	8865	7297	9032	7114	5876	11097
.D=DK/NA		1	9	18	16	21	22	26	25	30
.J=Web interview, missing										
.M=Oth missing								2		
.Q=Not asked this wv		11420								
.R=RF		1							1	2
0.No		6188	5250	7802	7607	7651	7433	7502	6997	6740
1.Yes		2032	2349	3306	3090	3196	3642	3825	4318	4165

Value	w11	w12	w13	w14	w15	w16
.A=Age ineligible	9818	8378	10940	8152	6738	6812
.D=DK/NA	29	24	24	4	23	18
.J=Web interview, missing				3	6	3
.M=Oth missing	1		1	1		2
.Q=Not asked this wv						
.R=RF	1	1		2	3	
0.No	6760	6556	6197	5652	5725	5709
1.Yes	3945	3788	3750	3332	3228	3243

SwFALLEN: S fallen prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age ineligible			7758	7651	6688	5490	6604	5275	4248	7351
.D=DK/NA		1	1	9	5	13	11	8	8	12
.J=Web interview, missing										
.M=Oth missing								1		
.Q=Not asked this wv		9125								
.R=RF		1							1	2
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
0.No		3404	3012	4708	4549	4547	4517	4510	4109	3991
1.Yes		943	1146	1612	1488	1589	1840	1941	2280	2157

Value	w11	w12	w13	w14	w15	w16
.A=Age ineligible	6486	5426	6569	4727	3876	3476
.D=DK/NA	17	12	10	3	9	12
.J=Web interview, missing				1	5	3
.M=Oth missing	1			1		2
.Q=Not asked this wv						
.R=RF						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	3900	3644	3389	3013	3017	2878
1.Yes	2080	1930	1811	1613	1570	1469

RwFALLINJ: R serious injury due to fall

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age ineligible			10384	10258	8865	7297	9032	7114	5876	11097
.D=DK/NA			2	1	1	1	4	1	5	6
.J=Web interview, missing										
.Q=Not asked this wv		11420								
.R=RF										
.S=Skip,question not asked		6190	5258	7820	7623	7672	7455	7530	7023	6772
0.No		1422	1483	2098	2005	2071	2437	2550	2890	2837
1.Yes		610	864	1207	1084	1124	1201	1274	1423	1322

Value	w11	w12	w13	w14	w15	w16
.A=Age ineligible	9818	8378	10940	8152	6738	6812
.D=DK/NA	10	11	4	3	7	14
.J=Web interview, missing					1	1
.Q=Not asked this wv						
.R=RF			1			
.S=Skip,question not asked	6791	6581	6222	5662	5757	5732
0.No	2684	2562	2511	2252	2240	2208
1.Yes	1251	1215	1234	1077	980	1020

SwFALLINJ: S serious injury due to fall

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age ineligible			7759	7651	6688	5490	6604	5275	4248	7351
.D=DK/NA							1			1
.Q=Not asked this wv		9125								
.R=RF										
.S=Skip,question not asked		3406	3012	4717	4554	4560	4528	4519	4118	4005
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
0.No		678	761	1089	1034	1091	1281	1377	1581	1539
1.Yes		265	385	523	454	498	558	564	699	617

Value	w11	w12	w13	w14	w15	w16
.A=Age ineligible	6486	5426	6569	4727	3876	3476
.D=DK/NA	2	4			3	6
.Q=Not asked this wv						
.R=RF			1			
.S=Skip,question not asked	3918	3656	3399	3018	3031	2895
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	1482	1367	1272	1143	1148	1071
1.Yes	596	559	538	470	419	392

RwHIPFRAC: R fractured hip ever/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age ineligible			10384	10258	8865	7297	9032	7114	5876	11097
.D=DK/NA		2	3	2	1	3	8	10	7	10
.J=Web interview, missing										
.M=Oth missing								2		
.Q=Not asked this wv		11420								
.R=RF								1	1	1
0.No		7827	7481	10909	10574	10685	10895	11161	11158	10749
1.Yes		393	123	215	138	180	194	181	175	177

Value	w11	w12	w13	w14	w15	w16
.A=Age ineligible	9818	8378	10940	8152	6738	6812
.D=DK/NA	14	16	8	5	13	12
.J=Web interview, missing				1	3	3
.M=Oth missing	1		1	1		2
.Q=Not asked this wv						
.R=RF	1	1		2	2	
0.No	10545	10185	9797	8847	8846	8819
1.Yes	175	167	166	138	121	139

SwHIPFRAC: S fractured hip ever/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age ineligible			7759	7651	6688	5490	6604	5275	4248	7351
.D=DK/NA			2	1			3	3	3	1
.J=Web interview, missing										
.M=Oth missing								1		
.Q=Not asked this wv		9125								
.R=RF									1	1
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
0.No		4209	4117	6255	5996	6088	6300	6396	6333	6097
1.Yes		140	39	73	46	61	65	60	61	63

Value	w11	w12	w13	w14	w15	w16
.A=Age ineligible	6486	5426	6569	4727	3876	3476
.D=DK/NA	6	8	4	1	2	3
.J=Web interview, missing					2	3
.M=Oth missing	1			1		
.Q=Not asked this wv						
.R=RF						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	5922	5515	5154	4579	4550	4310
1.Yes	69	63	52	50	47	48

REFALLEN: EXIT Fallen since last iw

Value	
.A=Age ineligible	1877
.D=DK/NA	273
.M=Oth missing	61
.Q=Not asked this wv	175
.R=RF	2
.T=No stroke since last IW,	31
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	7320
1.Yes	7973

REFALLINJ: EXIT Serious injury due to fall

Value	
.A=Age ineligible	1927
.D=DK/NA	35
.M=Oth missing	61
.Q=Not asked this wv	175
.R=RF	1
.S=Skip,question not asked	7545
.T=No stroke since last IW,	31
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	4299
1.Yes	3638

REHIPFRAC: EXIT Fractured hip since last iw

Value	
.A=Age ineligible	1877
.D=DK/NA	131
.M=Oth missing	61
.Q=Not asked this wv	175
.R=RF	3
.T=No stroke since last IW,	31
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	14428
1.Yes	1006

How Constructed

Core Interview Variables

RwFALLEN indicates whether the Respondent has fallen in the reference period. RwFALLTIM indicates the number of times the Respondent fell in the reference period and RwFALLINJ indicates if the Respondent had a serious injury and needed medical treatment due to their fall(s) in that period. In Wave 2A, the reference period for RwFALLEN, RwFALLTIM, and RwFALLINJ is 12 months; in other waves it is the period since the last interview, or the last 2 years for new interviewees. Respondents who did not report a fall in RwFALLEN are set to ".S=Skip" in RwFALLTIM and RwFALLINJ since they were not asked the questions captured in RwFALLTIM and RwFALLINJ.

RwHIPFRAC indicates whether the Respondent has fractured their hip ever (for new interviewees) or since last interview (for reinterviews). The question used to derive RwHIPFRAC does not depend on whether the Respondent reported falling as captured in RwFALLEN.

In Wave 3A, if the Respondent is under the age of 68 and in Wave 4 forward, if the Respondent is under the age of 65 then they are not asked the interview questions captured in the fall variables and RwFALLEN, RwFALLTIM, RwFALLINJ, and RwHIPFRAC are set to ".A=Age ineligible".

SwFALLEN, SwFALLTIM, SwFALLINJ, and RwHIPFRAC provide corresponding information for the Respondent's spouse or partner.

Exit Interview Variables

REFALLEN indicates if the Respondent has fallen since the reference period. REFALLTIM indicates the number of times the Respondent fell in the reference period and REFALLINJ indicates if the Respondent had a serious injury and needed medical treatment due to their fall(s) in that period. The reference period is the time since the last interview or in the two years prior to the Respondent's death. Respondents who did not report a fall are not asked the questions captured in REFALLTIM and REFALLINJ and these variables are set to ".S=Skip."

REHIPFRAC indicates if the Respondent fractured their hip since last interview. The question used to derive REHIPFRAC does not depend on whether the Respondent reported falling as captured in REFALLEN.

If the Respondent was under the age of 65 then the interview questions captured in the fall variables are not asked and REFALLEN, REHIPFRAC, REFALLTIM, and REFALLINJ are set to ".A=Age ineligible."

Cross Wave Differences in Original HRS Data

Core Interview Variables

In Wave 2A (1993), the reference time period for RwFALLEN, RwFALLTIM, and RwFALLINJ is "the last 12 months". In all subsequent waves, respondents are asked about falls that occurred either since the last interview or within the past two years.

In Wave 2A and Wave 3A (1995), there was no age restriction for receiving the survey questions related to falls or breaking a hip. In Wave 3H (1996), Respondents less than 68 years old are skipped from questions related to falling or breaking their hip. From Wave 4 forward, Respondents less than 65 years old are skipped from the fall and broken hip questions.

In Wave 3A, Respondents could report as many as 100 falls in RwFALLTIM. In all other years, the maximum limit is 50.

Respondents in Wave 2H (1994) are not asked about falls or breaking a hip. Thus, RwFALLEN, RwHIPFRAC, RwFALLTIM, and RwFALLINJ are set to .Q to indicate that this information is not available for Wave 2H.

Exit Interview Variables

There are no age restrictions to receiving questions related to falls or breaking a hip in Wave 3.

In Wave 3, Respondents could report as many as 20 falls in REFALLTIM. In all other waves, Respondents could report as many as 50 falls.

In Wave 2H, the questions about falls or breaking a hip are not asked.Thus, REFALLEN, REHIPFRAC, REFALLTIM, and RwFALLINJ are set to .Q to indicate that this information is not available for Wave 2H.

In Wave 3H, if a Respondent's proxy didn't report that the Respondent had a stroke since the last interview, the questions used to create REFALLEN, REFALLTIM, REFALLINJ, and REHIPFRAC were not asked. In these cases, we set these variables to ".T=No stroke since last IW, question not asked."

HRS Variables Used

Core Interview Variables

```
AHEAD 1993:
    B274            B11. FALL DOWN PAST 12 MONTHS
    B275            B11a. SERIOUS INJURY FROM FALL
    B277            B12. FRACTURED HIP EVER
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AHEAD 1995:
    D218            CS1A.PROXY/SELF INTERVIEW
    D878            B12. FALL
    D879            B12A.TIMES FALL
    D884            B12B. INJURE
    D887            B13. BROKEN HIP
HRS 1996:
    E218            CS1A.PROXY/SELF INTERVIEW
    E558            CS50.PARENTS SENDBACK
    E753            R`S CURRENT AGE
    E878            B12. FALL
    E879            B12A.TIMES FALL
    E884            B12B. INJURE
    E887            B13. BROKEN HIP
HRS 1998:
    F1014           R`S CUR AGE
    F1206           B12. FALL
    F1207           B12A.TIMES FALL
    F1212           B12B. INJURE
    F1215           B13. BROKEN HIP
    F483            CS1A.PROXY/SELF INTERVIEW
HRS 2000:
    G1101           A21Y1.R-CURRENT AGE
    G1339           B12. FALL
    G1340           B12A.TIMES FALL
    G1345           B12B. INJURE
    G1348           B13. BROKEN HIP
    G514            CS1A.PROXY/SELF INTERVIEW
HRS 2002-2022:
    xA009           PROXY/SELF INTERVIEW
    xA019           R CURRENT AGE CALCULATION
    xC079           FALLEN IN PAST TWO YEARS
    xC080           NUMBER TIMES FALLEN
    xC081           INJURY DUE TO FALL
    xC082           BROKEN HIP
```

Exit Interview Variables

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AHEAD 1995:
    N407            R`S CURRENT AGE
    N878            B12.FALL
    N879            B12a.TIMES FALL
    N884            B12b.INJURE
    N887            B13.BROKEN HIP
HRS 1996:
    P407            R`S CURRENT AGE
    P656            A1b.BIRTHDATE YEAR
    P835            B9. STROKE
    P845            B9j. ANOTHER STROKE-2YR
    P850            B12. FALL
    P851            B12a.TIMES FALL
    P856            B12b. INJURE
    P859            B13. BROKEN HIP
HRS 1998:
    Q1014           R`S CUR AGE (REF Q753)
    Q1206           B12. FALL
    Q1207           B12a.TIMES FALL
    Q1212           B12b. INJURE
    Q1215           B13. BROKEN HIP
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HRS 2000:
    R1086           A21Y1.R`S CUR AGE
    R1230           B12. FALL
    R1231           B12a.TIMES FALL
    R1236           B12b. INJURE
    R1239           B13. BROKEN HIP
HRS 2002-2022:
    xA019           R CURRENT AGE CALCULATION
    xC079           FALLEN IN PAST TWO YEARS
    xC080           NUMBER TIMES FALLEN
    xC081           INJURY DUE TO FALL
    xC082           BROKEN HIP
```

Persistent Health Problems

Wave	Variable	Label	Type
3	R3SWELL	R3SWELL:W3 Pers Prob: Swelling feet/ankles	Categ
4	R4SWELL	R4SWELL:W4 Pers Prob: Swelling feet/ankles	Categ
5	R5SWELL	R5SWELL:W5 Pers Prob: Swelling feet/ankles	Categ
6	R6SWELL	R6SWELL:W6 Pers Prob: Swelling feet/ankles	Categ
7	R7SWELL	R7SWELL:W7 Pers Prob: Swelling feet/ankles	Categ
8	R8SWELL	R8SWELL:W8 Pers Prob: Swelling feet/ankles	Categ
9	R9SWELL	R9SWELL:W9 Pers Prob: Swelling feet/ankles	Categ
10	R10SWELL	R10SWELL:W10 Pers Prob: Swelling feet/ankles	Categ
11	R11SWELL	R11SWELL:W11 Pers Prob: Swelling feet/ankles	Categ
12	R12SWELL	R12SWELL:W12 Pers Prob: Swelling feet/ankles	Categ
13	R13SWELL	R13SWELL:W13 Pers Prob: Swelling feet/ankles	Categ
14	R14SWELL	R14SWELL:W14 Pers Prob: Swelling feet/ankles	Categ
15	R15SWELL	R15SWELL:W15 Pers Prob: Swelling feet/ankles	Categ
3	S3SWELL	S3SWELL:W3 Pers Prob: Swelling feet/ankles	Categ
4	S4SWELL	S4SWELL:W4 Pers Prob: Swelling feet/ankles	Categ
5	S5SWELL	S5SWELL:W5 Pers Prob: Swelling feet/ankles	Categ
6	S6SWELL	S6SWELL:W6 Pers Prob: Swelling feet/ankles	Categ
7	S7SWELL	S7SWELL:W7 Pers Prob: Swelling feet/ankles	Categ
8	S8SWELL	S8SWELL:W8 Pers Prob: Swelling feet/ankles	Categ
9	S9SWELL	S9SWELL:W9 Pers Prob: Swelling feet/ankles	Categ
10	S10SWELL	S10SWELL:W10 Pers Prob: Swelling feet/ankles	Categ
11	S11SWELL	S11SWELL:W11 Pers Prob: Swelling feet/ankles	Categ
12	S12SWELL	S12SWELL:W12 Pers Prob: Swelling feet/ankles	Categ
13	S13SWELL	S13SWELL:W13 Pers Prob: Swelling feet/ankles	Categ
14	S14SWELL	S14SWELL:W14 Pers Prob: Swelling feet/ankles	Categ
15	S15SWELL	S15SWELL:W15 Pers Prob: Swelling feet/ankles	Categ
3	R3BREATH	R3BREATH:W3 Pers Prob: Shortness of breath	Categ
4	R4BREATH	R4BREATH:W4 Pers Prob: Shortness of breath	Categ
5	R5BREATH	R5BREATH:W5 Pers Prob: Shortness of breath	Categ
6	R6BREATH	R6BREATH:W6 Pers Prob: Shortness of breath	Categ
7	R7BREATH	R7BREATH:W7 Pers Prob: Shortness of breath	Categ
8	R8BREATH	R8BREATH:W8 Pers Prob: Shortness of breath	Categ
9	R9BREATH	R9BREATH:W9 Pers Prob: Shortness of breath	Categ
10	R10BREATH	R10BREATH:W10 Pers Prob: Shortness of breath	Categ
11	R11BREATH	R11BREATH:W11 Pers Prob: Shortness of breath	Categ
12	R12BREATH	R12BREATH:W12 Pers Prob: Shortness of breath	Categ
13	R13BREATH	R13BREATH:W13 Pers Prob: Shortness of breath	Categ
14	R14BREATH	R14BREATH:W14 Pers Prob: Shortness of breath	Categ
15	R15BREATH	R15BREATH:W15 Pers Prob: Shortness of breath	Categ
16	R16BREATH	R16BREATH:W16 Pers Prob: Shortness of breath	Categ
3	S3BREATH	S3BREATH:W3 Pers Prob: Shortness of breath	Categ
4	S4BREATH	S4BREATH:W4 Pers Prob: Shortness of breath	Categ
5	S5BREATH	S5BREATH:W5 Pers Prob: Shortness of breath	Categ
6	S6BREATH	S6BREATH:W6 Pers Prob: Shortness of breath	Categ
7	S7BREATH	S7BREATH:W7 Pers Prob: Shortness of breath	Categ
8	S8BREATH	S8BREATH:W8 Pers Prob: Shortness of breath	Categ
9	S9BREATH	S9BREATH:W9 Pers Prob: Shortness of breath	Categ
10	S10BREATH	S10BREATH:W10 Pers Prob: Shortness of breath	Categ
11	S11BREATH	S11BREATH:W11 Pers Prob: Shortness of breath	Categ
12	S12BREATH	S12BREATH:W12 Pers Prob: Shortness of breath	Categ
13	S13BREATH	S13BREATH:W13 Pers Prob: Shortness of breath	Categ
14	S14BREATH	S14BREATH:W14 Pers Prob: Shortness of breath	Categ
15	S15BREATH	S15BREATH:W15 Pers Prob: Shortness of breath	Categ
16	S16BREATH	S16BREATH:W16 Pers Prob: Shortness of breath	Categ
3	R3DIZZY	R3DIZZY:W3 Pers Prob: persistent dizziness/lightheadedness	Categ
4	R4DIZZY	R4DIZZY:W4 Pers Prob: persistent dizziness/lightheadedness	Categ
5	R5DIZZY	R5DIZZY:W5 Pers Prob: persistent dizziness/lightheadedness	Categ
6	R6DIZZY	R6DIZZY:W6 Pers Prob: persistent dizziness/lightheadedness	Categ
7	R7DIZZY	R7DIZZY:W7 Pers Prob: persistent dizziness/lightheadedness	Categ
8	R8DIZZY	R8DIZZY:W8 Pers Prob: persistent dizziness/lightheadedness	Categ
9	R9DIZZY	R9DIZZY:W9 Pers Prob: persistent dizziness/lightheadedness	Categ
10	R10DIZZY	R10DIZZY:W10 Pers Prob: persistent dizziness/lightheadedness	Categ

11	R11DIZZY	R11DIZZY:W11 Pers Prob: persistent dizziness/lightheadedness	Categ
12	R12DIZZY	R12DIZZY:W12 Pers Prob: persistent dizziness/lightheadedness	Categ
13	R13DIZZY	R13DIZZY:W13 Pers Prob: persistent dizziness/lightheadedness	Categ
14	R14DIZZY	R14DIZZY:W14 Pers Prob: persistent dizziness/lightheadedness	Categ
15	R15DIZZY	R15DIZZY:W15 Pers Prob: persistent dizziness/lightheadedness	Categ
16	R16DIZZY	R16DIZZY:W16 Pers Prob: persistent dizziness/lightheadedness	Categ
3	S3DIZZY	S3DIZZY:W3 Pers Prob: persistent dizziness/lightheadedness	Categ
4	S4DIZZY	S4DIZZY:W4 Pers Prob: persistent dizziness/lightheadedness	Categ
5	S5DIZZY	S5DIZZY:W5 Pers Prob: persistent dizziness/lightheadedness	Categ
6	S6DIZZY	S6DIZZY:W6 Pers Prob: persistent dizziness/lightheadedness	Categ
7	S7DIZZY	S7DIZZY:W7 Pers Prob: persistent dizziness/lightheadedness	Categ
8	S8DIZZY	S8DIZZY:W8 Pers Prob: persistent dizziness/lightheadedness	Categ
9	S9DIZZY	S9DIZZY:W9 Pers Prob: persistent dizziness/lightheadedness	Categ
10	S10DIZZY	S10DIZZY:W10 Pers Prob: persistent dizziness/lightheadedness	Categ
11	S11DIZZY	S11DIZZY:W11 Pers Prob: persistent dizziness/lightheadedness	Categ
12	S12DIZZY	S12DIZZY:W12 Pers Prob: persistent dizziness/lightheadedness	Categ
13	S13DIZZY	S13DIZZY:W13 Pers Prob: persistent dizziness/lightheadedness	Categ
14	S14DIZZY	S14DIZZY:W14 Pers Prob: persistent dizziness/lightheadedness	Categ
15	S15DIZZY	S15DIZZY:W15 Pers Prob: persistent dizziness/lightheadedness	Categ
16	S16DIZZY	S16DIZZY:W16 Pers Prob: persistent dizziness/lightheadedness	Categ
1	R1ULCER	R1ULCER:W1 Pers Prob: ulcers	Categ
2	R2ULCER	R2ULCER:W2 Pers Prob: ulcers	Categ
1	S1ULCER	S1ULCER:W1 Pers Prob: ulcers	Categ
2	S2ULCER	S2ULCER:W2 Pers Prob: ulcers	Categ
1	R1BACK	R1BACK:W1 Pers Prob: back pain or problems	Categ
2	R2BACK	R2BACK:W2 Pers Prob: back pain or problems	Categ
3	R3BACK	R3BACK:W3 Pers Prob: back pain or problems	Categ
4	R4BACK	R4BACK:W4 Pers Prob: back pain or problems	Categ
5	R5BACK	R5BACK:W5 Pers Prob: back pain or problems	Categ
6	R6BACK	R6BACK:W6 Pers Prob: back pain or problems	Categ
7	R7BACK	R7BACK:W7 Pers Prob: back pain or problems	Categ
8	R8BACK	R8BACK:W8 Pers Prob: back pain or problems	Categ
9	R9BACK	R9BACK:W9 Pers Prob: back pain or problems	Categ
10	R10BACK	R10BACK:W10 Pers Prob: back pain or problems	Categ
11	R11BACK	R11BACK:W11 Pers Prob: back pain or problems	Categ
12	R12BACK	R12BACK:W12 Pers Prob: back pain or problems	Categ
13	R13BACK	R13BACK:W13 Pers Prob: back pain or problems	Categ
14	R14BACK	R14BACK:W14 Pers Prob: back pain or problems	Categ
15	R15BACK	R15BACK:W15 Pers Prob: back pain or problems	Categ
16	R16BACK	R16BACK:W16 Pers Prob: back pain or problems	Categ
1	S1BACK	S1BACK:W1 Pers Prob: back pain or problems	Categ
2	S2BACK	S2BACK:W2 Pers Prob: back pain or problems	Categ
3	S3BACK	S3BACK:W3 Pers Prob: back pain or problems	Categ
4	S4BACK	S4BACK:W4 Pers Prob: back pain or problems	Categ
5	S5BACK	S5BACK:W5 Pers Prob: back pain or problems	Categ
6	S6BACK	S6BACK:W6 Pers Prob: back pain or problems	Categ
7	S7BACK	S7BACK:W7 Pers Prob: back pain or problems	Categ
8	S8BACK	S8BACK:W8 Pers Prob: back pain or problems	Categ
9	S9BACK	S9BACK:W9 Pers Prob: back pain or problems	Categ
10	S10BACK	S10BACK:W10 Pers Prob: back pain or problems	Categ
11	S11BACK	S11BACK:W11 Pers Prob: back pain or problems	Categ
12	S12BACK	S12BACK:W12 Pers Prob: back pain or problems	Categ
13	S13BACK	S13BACK:W13 Pers Prob: back pain or problems	Categ
14	S14BACK	S14BACK:W14 Pers Prob: back pain or problems	Categ
15	S15BACK	S15BACK:W15 Pers Prob: back pain or problems	Categ
16	S16BACK	S16BACK:W16 Pers Prob: back pain or problems	Categ
3	R3HEADACH	R3HEADACH:W3 Pers Prob: persistent headache	Categ
4	R4HEADACH	R4HEADACH:W4 Pers Prob: persistent headache	Categ
5	R5HEADACH	R5HEADACH:W5 Pers Prob: persistent headache	Categ
6	R6HEADACH	R6HEADACH:W6 Pers Prob: persistent headache	Categ
7	R7HEADACH	R7HEADACH:W7 Pers Prob: persistent headache	Categ
8	R8HEADACH	R8HEADACH:W8 Pers Prob: persistent headache	Categ
9	R9HEADACH	R9HEADACH:W9 Pers Prob: persistent headache	Categ
10	R10HEADACH	R10HEADACH:W10 Pers Prob: persistent headache	Categ
11	R11HEADACH	R11HEADACH:W11 Pers Prob: persistent headache	Categ
12	R12HEADACH	R12HEADACH:W12 Pers Prob: persistent headache	Categ

13	R13HEADACH	R13HEADACH:W13 Pers Prob: persistent headache	Categ
14	R14HEADACH	R14HEADACH:W14 Pers Prob: persistent headache	Categ
15	R15HEADACH	R15HEADACH:W15 Pers Prob: persistent headache	Categ
16	R16HEADACH	R16HEADACH:W16 Pers Prob: persistent headache	Categ
3	S3HEADACH	S3HEADACH:W3 Pers Prob: persistent headache	Categ
4	S4HEADACH	S4HEADACH:W4 Pers Prob: persistent headache	Categ
5	S5HEADACH	S5HEADACH:W5 Pers Prob: persistent headache	Categ
6	S6HEADACH	S6HEADACH:W6 Pers Prob: persistent headache	Categ
7	S7HEADACH	S7HEADACH:W7 Pers Prob: persistent headache	Categ
8	S8HEADACH	S8HEADACH:W8 Pers Prob: persistent headache	Categ
9	S9HEADACH	S9HEADACH:W9 Pers Prob: persistent headache	Categ
10	S10HEADACH	S10HEADACH:W10 Pers Prob: persistent headache	Categ
11	S11HEADACH	S11HEADACH:W11 Pers Prob: persistent headache	Categ
12	S12HEADACH	S12HEADACH:W12 Pers Prob: persistent headache	Categ
13	S13HEADACH	S13HEADACH:W13 Pers Prob: persistent headache	Categ
14	S14HEADACH	S14HEADACH:W14 Pers Prob: persistent headache	Categ
15	S15HEADACH	S15HEADACH:W15 Pers Prob: persistent headache	Categ
16	S16HEADACH	S16HEADACH:W16 Pers Prob: persistent headache	Categ
3	R3FATIGUE	R3FATIGUE:W3 Pers Prob: Severe fatigue	Categ
4	R4FATIGUE	R4FATIGUE:W4 Pers Prob: Severe fatigue	Categ
5	R5FATIGUE	R5FATIGUE:W5 Pers Prob: Severe fatigue	Categ
6	R6FATIGUE	R6FATIGUE:W6 Pers Prob: Severe fatigue	Categ
7	R7FATIGUE	R7FATIGUE:W7 Pers Prob: Severe fatigue	Categ
8	R8FATIGUE	R8FATIGUE:W8 Pers Prob: Severe fatigue	Categ
9	R9FATIGUE	R9FATIGUE:W9 Pers Prob: Severe fatigue	Categ
10	R10FATIGUE	R10FATIGUE:W10 Pers Prob: Severe fatigue	Categ
11	R11FATIGUE	R11FATIGUE:W11 Pers Prob: Severe fatigue	Categ
12	R12FATIGUE	R12FATIGUE:W12 Pers Prob: Severe fatigue	Categ
13	R13FATIGUE	R13FATIGUE:W13 Pers Prob: Severe fatigue	Categ
14	R14FATIGUE	R14FATIGUE:W14 Pers Prob: Severe fatigue	Categ
15	R15FATIGUE	R15FATIGUE:W15 Pers Prob: Severe fatigue	Categ
16	R16FATIGUE	R16FATIGUE:W16 Pers Prob: Severe fatigue	Categ
3	S3FATIGUE	S3FATIGUE:W3 Pers Prob: Severe fatigue	Categ
4	S4FATIGUE	S4FATIGUE:W4 Pers Prob: Severe fatigue	Categ
5	S5FATIGUE	S5FATIGUE:W5 Pers Prob: Severe fatigue	Categ
6	S6FATIGUE	S6FATIGUE:W6 Pers Prob: Severe fatigue	Categ
7	S7FATIGUE	S7FATIGUE:W7 Pers Prob: Severe fatigue	Categ
8	S8FATIGUE	S8FATIGUE:W8 Pers Prob: Severe fatigue	Categ
9	S9FATIGUE	S9FATIGUE:W9 Pers Prob: Severe fatigue	Categ
10	S10FATIGUE	S10FATIGUE:W10 Pers Prob: Severe fatigue	Categ
11	S11FATIGUE	S11FATIGUE:W11 Pers Prob: Severe fatigue	Categ
12	S12FATIGUE	S12FATIGUE:W12 Pers Prob: Severe fatigue	Categ
13	S13FATIGUE	S13FATIGUE:W13 Pers Prob: Severe fatigue	Categ
14	S14FATIGUE	S14FATIGUE:W14 Pers Prob: Severe fatigue	Categ
15	S15FATIGUE	S15FATIGUE:W15 Pers Prob: Severe fatigue	Categ
16	S16FATIGUE	S16FATIGUE:W16 Pers Prob: Severe fatigue	Categ
3	R3COUGH	R3COUGH:W3 Pers Prob: Cough/wheeze/phlegm	Categ
4	R4COUGH	R4COUGH:W4 Pers Prob: Cough/wheeze/phlegm	Categ
5	R5COUGH	R5COUGH:W5 Pers Prob: Cough/wheeze/phlegm	Categ
6	R6COUGH	R6COUGH:W6 Pers Prob: Cough/wheeze/phlegm	Categ
7	R7COUGH	R7COUGH:W7 Pers Prob: Cough/wheeze/phlegm	Categ
8	R8COUGH	R8COUGH:W8 Pers Prob: Cough/wheeze/phlegm	Categ
9	R9COUGH	R9COUGH:W9 Pers Prob: Cough/wheeze/phlegm	Categ
10	R10COUGH	R10COUGH:W10 Pers Prob: Cough/wheeze/phlegm	Categ
11	R11COUGH	R11COUGH:W11 Pers Prob: Cough/wheeze/phlegm	Categ
12	R12COUGH	R12COUGH:W12 Pers Prob: Cough/wheeze/phlegm	Categ
13	R13COUGH	R13COUGH:W13 Pers Prob: Cough/wheeze/phlegm	Categ
14	R14COUGH	R14COUGH:W14 Pers Prob: Cough/wheeze/phlegm	Categ
15	R15COUGH	R15COUGH:W15 Pers Prob: Cough/wheeze/phlegm	Categ
16	R16COUGH	R16COUGH:W16 Pers Prob: Cough/wheeze/phlegm	Categ
3	S3COUGH	S3COUGH:W3 Pers Prob: Cough/wheeze/phlegm	Categ
4	S4COUGH	S4COUGH:W4 Pers Prob: Cough/wheeze/phlegm	Categ
5	S5COUGH	S5COUGH:W5 Pers Prob: Cough/wheeze/phlegm	Categ
6	S6COUGH	S6COUGH:W6 Pers Prob: Cough/wheeze/phlegm	Categ
7	S7COUGH	S7COUGH:W7 Pers Prob: Cough/wheeze/phlegm	Categ
8	S8COUGH	S8COUGH:W8 Pers Prob: Cough/wheeze/phlegm	Categ
9	S9COUGH	S9COUGH:W9 Pers Prob: Cough/wheeze/phlegm	Categ

10	S10COUGH	S10COUGH:W10 Pers Prob: Cough/wheeze/phlegm	Categ
11	S11COUGH	S11COUGH:W11 Pers Prob: Cough/wheeze/phlegm	Categ
12	S12COUGH	S12COUGH:W12 Pers Prob: Cough/wheeze/phlegm	Categ
13	S13COUGH	S13COUGH:W13 Pers Prob: Cough/wheeze/phlegm	Categ
14	S14COUGH	S14COUGH:W14 Pers Prob: Cough/wheeze/phlegm	Categ
15	S15COUGH	S15COUGH:W15 Pers Prob: Cough/wheeze/phlegm	Categ
16	S16COUGH	S16COUGH:W16 Pers Prob: Cough/wheeze/phlegm	Categ
2	R2BEDDAYS	R2BEDDAYS:W2 Pers Prob: Days in bed prv 2 yrs/since PrvIvw	Cont
7	R7BEDDAYS	R7BEDDAYS:W7 Pers Prob: Days in bed in last month	Cont
8	R8BEDDAYS	R8BEDDAYS:W8 Pers Prob: Days in bed in last month	Cont
9	R9BEDDAYS	R9BEDDAYS:W9 Pers Prob: Days in bed in last month	Cont
10	R10BEDDAYS	R10BEDDAYS:W10 Pers Prob: Days in bed in last month	Cont
11	R11BEDDAYS	R11BEDDAYS:W11 Pers Prob: Days in bed in last month	Cont
12	R12BEDDAYS	R12BEDDAYS:W12 Pers Prob: Days in bed in last month	Cont
13	R13BEDDAYS	R13BEDDAYS:W13 Pers Prob: Days in bed in last month	Cont
14	R14BEDDAYS	R14BEDDAYS:W14 Pers Prob: Days in bed in last month	Cont
15	R15BEDDAYS	R15BEDDAYS:W15 Pers Prob: Days in bed in last month	Cont
16	R16BEDDAYS	R16BEDDAYS:W16 Pers Prob: Days in bed in last month	Cont
2	S2BEDDAYS	S2BEDDAYS:W2 Pers Prob: Days in bed prv 2 yrs/since PrvIvw	Cont
7	S7BEDDAYS	S7BEDDAYS:W7 Pers Prob: Days in bed in last month	Cont
8	S8BEDDAYS	S8BEDDAYS:W8 Pers Prob: Days in bed in last month	Cont
9	S9BEDDAYS	S9BEDDAYS:W9 Pers Prob: Days in bed in last month	Cont
10	S10BEDDAYS	S10BEDDAYS:W10 Pers Prob: Days in bed in last month	Cont
11	S11BEDDAYS	S11BEDDAYS:W11 Pers Prob: Days in bed in last month	Cont
12	S12BEDDAYS	S12BEDDAYS:W12 Pers Prob: Days in bed in last month	Cont
13	S13BEDDAYS	S13BEDDAYS:W13 Pers Prob: Days in bed in last month	Cont
14	S14BEDDAYS	S14BEDDAYS:W14 Pers Prob: Days in bed in last month	Cont
15	S15BEDDAYS	S15BEDDAYS:W15 Pers Prob: Days in bed in last month	Cont
16	S16BEDDAYS	S16BEDDAYS:W16 Pers Prob: Days in bed in last month	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3SWELL	17979	0.19	0.39	0.0	1.0
R4SWELL	5091	0.18	0.39	0.0	1.0
R5SWELL	19568	0.21	0.41	0.0	1.0
R6SWELL	231	0.19	0.39	0.0	1.0
R7SWELL	20113	0.21	0.41	0.0	1.0
R8SWELL	213	0.17	0.38	0.0	1.0
R9SWELL	17198	0.21	0.41	0.0	1.0
R10SWELL	6446	0.20	0.40	0.0	1.0
R11SWELL	20510	0.21	0.41	0.0	1.0
R12SWELL	182	0.23	0.42	0.0	1.0
R13SWELL	20883	0.22	0.42	0.0	1.0
R14SWELL	215	0.22	0.41	0.0	1.0
R15SWELL	15678	0.20	0.40	0.0	1.0
S3SWELL	11912	0.16	0.36	0.0	1.0
S4SWELL	3506	0.17	0.37	0.0	1.0
S5SWELL	12726	0.18	0.38	0.0	1.0
S6SWELL	214	0.19	0.39	0.0	1.0
S7SWELL	12965	0.18	0.38	0.0	1.0
S8SWELL	204	0.17	0.37	0.0	1.0
S9SWELL	10638	0.18	0.38	0.0	1.0
S10SWELL	4104	0.17	0.38	0.0	1.0
S11SWELL	12461	0.18	0.38	0.0	1.0
S12SWELL	171	0.22	0.42	0.0	1.0
S13SWELL	11766	0.18	0.39	0.0	1.0
S14SWELL	197	0.22	0.42	0.0	1.0

S15SWELL	8456	0.17	0.37	0.0	1.0
R3BREATH	17978	0.16	0.37	0.0	1.0
R4BREATH	5092	0.15	0.36	0.0	1.0
R5BREATH	19567	0.17	0.38	0.0	1.0
R6BREATH	231	0.18	0.39	0.0	1.0
R7BREATH	20113	0.17	0.38	0.0	1.0
R8BREATH	213	0.15	0.36	0.0	1.0
R9BREATH	17206	0.17	0.37	0.0	1.0
R10BREATH	6447	0.16	0.36	0.0	1.0
R11BREATH	20498	0.17	0.38	0.0	1.0
R12BREATH	183	0.20	0.40	0.0	1.0
R13BREATH	20861	0.17	0.37	0.0	1.0
R14BREATH	215	0.14	0.35	0.0	1.0
R15BREATH	15668	0.16	0.36	0.0	1.0
R16BREATH	2761	0.20	0.40	0.0	1.0
S3BREATH	11911	0.14	0.35	0.0	1.0
S4BREATH	3506	0.13	0.34	0.0	1.0
S5BREATH	12723	0.15	0.36	0.0	1.0
S6BREATH	214	0.19	0.39	0.0	1.0
S7BREATH	12963	0.15	0.36	0.0	1.0
S8BREATH	204	0.15	0.36	0.0	1.0
S9BREATH	10644	0.14	0.34	0.0	1.0
S10BREATH	4105	0.14	0.34	0.0	1.0
S11BREATH	12456	0.14	0.35	0.0	1.0
S12BREATH	172	0.20	0.40	0.0	1.0
S13BREATH	11763	0.14	0.35	0.0	1.0
S14BREATH	197	0.14	0.35	0.0	1.0
S15BREATH	8458	0.13	0.34	0.0	1.0
S16BREATH	1224	0.18	0.38	0.0	1.0
R3DIZZY	17971	0.11	0.31	0.0	1.0
R4DIZZY	5092	0.11	0.31	0.0	1.0
R5DIZZY	19558	0.12	0.33	0.0	1.0
R6DIZZY	231	0.13	0.34	0.0	1.0
R7DIZZY	20088	0.13	0.33	0.0	1.0
R8DIZZY	213	0.14	0.35	0.0	1.0
R9DIZZY	17190	0.12	0.32	0.0	1.0
R10DIZZY	6446	0.15	0.35	0.0	1.0
R11DIZZY	20503	0.14	0.34	0.0	1.0
R12DIZZY	182	0.15	0.36	0.0	1.0
R13DIZZY	20868	0.14	0.35	0.0	1.0
R14DIZZY	215	0.12	0.33	0.0	1.0
R15DIZZY	15641	0.12	0.33	0.0	1.0
R16DIZZY	2758	0.17	0.37	0.0	1.0
S3DIZZY	11907	0.09	0.29	0.0	1.0
S4DIZZY	3506	0.09	0.28	0.0	1.0
S5DIZZY	12720	0.11	0.31	0.0	1.0
S6DIZZY	214	0.14	0.35	0.0	1.0
S7DIZZY	12955	0.11	0.32	0.0	1.0
S8DIZZY	204	0.14	0.35	0.0	1.0
S9DIZZY	10641	0.10	0.30	0.0	1.0
S10DIZZY	4105	0.13	0.34	0.0	1.0
S11DIZZY	12464	0.12	0.32	0.0	1.0
S12DIZZY	171	0.15	0.35	0.0	1.0
S13DIZZY	11765	0.12	0.33	0.0	1.0
S14DIZZY	197	0.12	0.32	0.0	1.0

S15DIZZY	8439	0.11	0.31	0.0	1.0
S16DIZZY	1223	0.15	0.36	0.0	1.0
R1ULCER	12652	0.09	0.29	0.0	1.0
R2ULCER	19574	0.06	0.23	0.0	1.0
S1ULCER	9900	0.09	0.28	0.0	1.0
S2ULCER	13059	0.06	0.23	0.0	1.0
R1BACK	12652	0.34	0.47	0.0	1.0
R2BACK	19574	0.18	0.39	0.0	1.0
R3BACK	17976	0.32	0.46	0.0	1.0
R4BACK	5092	0.37	0.48	0.0	1.0
R5BACK	19565	0.33	0.47	0.0	1.0
R6BACK	231	0.41	0.49	0.0	1.0
R7BACK	20100	0.37	0.48	0.0	1.0
R8BACK	213	0.38	0.49	0.0	1.0
R9BACK	17195	0.36	0.48	0.0	1.0
R10BACK	6446	0.43	0.50	0.0	1.0
R11BACK	20503	0.39	0.49	0.0	1.0
R12BACK	182	0.49	0.50	0.0	1.0
R13BACK	20855	0.43	0.50	0.0	1.0
R14BACK	215	0.47	0.50	0.0	1.0
R15BACK	15637	0.42	0.49	0.0	1.0
R16BACK	2760	0.47	0.50	0.0	1.0
S1BACK	9900	0.34	0.47	0.0	1.0
S2BACK	13059	0.20	0.40	0.0	1.0
S3BACK	11909	0.31	0.46	0.0	1.0
S4BACK	3505	0.35	0.48	0.0	1.0
S5BACK	12725	0.32	0.47	0.0	1.0
S6BACK	214	0.42	0.49	0.0	1.0
S7BACK	12962	0.36	0.48	0.0	1.0
S8BACK	204	0.37	0.48	0.0	1.0
S9BACK	10638	0.35	0.48	0.0	1.0
S10BACK	4104	0.41	0.49	0.0	1.0
S11BACK	12457	0.37	0.48	0.0	1.0
S12BACK	171	0.47	0.50	0.0	1.0
S13BACK	11754	0.42	0.49	0.0	1.0
S14BACK	197	0.47	0.50	0.0	1.0
S15BACK	8432	0.39	0.49	0.0	1.0
S16BACK	1224	0.46	0.50	0.0	1.0
R3HEADACH	17975	0.10	0.30	0.0	1.0
R4HEADACH	5093	0.13	0.33	0.0	1.0
R5HEADACH	19559	0.09	0.29	0.0	1.0
R6HEADACH	231	0.16	0.37	0.0	1.0
R7HEADACH	20101	0.10	0.31	0.0	1.0
R8HEADACH	213	0.16	0.37	0.0	1.0
R9HEADACH	17197	0.08	0.27	0.0	1.0
R10HEADACH	6445	0.17	0.38	0.0	1.0
R11HEADACH	20524	0.10	0.30	0.0	1.0
R12HEADACH	183	0.20	0.40	0.0	1.0
R13HEADACH	20884	0.12	0.32	0.0	1.0
R14HEADACH	215	0.20	0.40	0.0	1.0
R15HEADACH	15688	0.10	0.30	0.0	1.0
R16HEADACH	2762	0.18	0.38	0.0	1.0
S3HEADACH	11906	0.10	0.30	0.0	1.0

S4HEADACH	3506	0.13	0.33	0.0	1.0
S5HEADACH	12720	0.09	0.29	0.0	1.0
S6HEADACH	214	0.16	0.37	0.0	1.0
S7HEADACH	12963	0.10	0.31	0.0	1.0
S8HEADACH	204	0.17	0.38	0.0	1.0
S9HEADACH	10639	0.08	0.26	0.0	1.0
S10HEADACH	4103	0.15	0.36	0.0	1.0
S11HEADACH	12471	0.09	0.29	0.0	1.0
S12HEADACH	172	0.20	0.40	0.0	1.0
S13HEADACH	11769	0.11	0.31	0.0	1.0
S14HEADACH	197	0.19	0.39	0.0	1.0
S15HEADACH	8463	0.09	0.29	0.0	1.0
S16HEADACH	1224	0.17	0.38	0.0	1.0
R3FATIGUE	17973	0.17	0.38	0.0	1.0
R4FATIGUE	5092	0.16	0.37	0.0	1.0
R5FATIGUE	19560	0.19	0.39	0.0	1.0
R6FATIGUE	231	0.21	0.41	0.0	1.0
R7FATIGUE	20085	0.20	0.40	0.0	1.0
R8FATIGUE	213	0.22	0.42	0.0	1.0
R9FATIGUE	17177	0.19	0.40	0.0	1.0
R10FATIGUE	6440	0.23	0.42	0.0	1.0
R11FATIGUE	20480	0.21	0.41	0.0	1.0
R12FATIGUE	183	0.24	0.43	0.0	1.0
R13FATIGUE	20833	0.22	0.42	0.0	1.0
R14FATIGUE	215	0.22	0.42	0.0	1.0
R15FATIGUE	15635	0.18	0.38	0.0	1.0
R16FATIGUE	2754	0.27	0.44	0.0	1.0
S3FATIGUE	11908	0.16	0.36	0.0	1.0
S4FATIGUE	3505	0.15	0.36	0.0	1.0
S5FATIGUE	12723	0.17	0.37	0.0	1.0
S6FATIGUE	214	0.21	0.41	0.0	1.0
S7FATIGUE	12950	0.18	0.38	0.0	1.0
S8FATIGUE	204	0.22	0.42	0.0	1.0
S9FATIGUE	10630	0.17	0.38	0.0	1.0
S10FATIGUE	4101	0.21	0.41	0.0	1.0
S11FATIGUE	12449	0.19	0.39	0.0	1.0
S12FATIGUE	172	0.23	0.42	0.0	1.0
S13FATIGUE	11742	0.20	0.40	0.0	1.0
S14FATIGUE	197	0.22	0.41	0.0	1.0
S15FATIGUE	8435	0.16	0.36	0.0	1.0
S16FATIGUE	1222	0.25	0.43	0.0	1.0
R3COUGH	17982	0.13	0.33	0.0	1.0
R4COUGH	5093	0.12	0.32	0.0	1.0
R5COUGH	19569	0.13	0.33	0.0	1.0
R6COUGH	231	0.14	0.35	0.0	1.0
R7COUGH	20117	0.14	0.35	0.0	1.0
R8COUGH	213	0.14	0.34	0.0	1.0
R9COUGH	17209	0.15	0.35	0.0	1.0
R10COUGH	6448	0.15	0.35	0.0	1.0
R11COUGH	20520	0.15	0.36	0.0	1.0
R12COUGH	183	0.19	0.39	0.0	1.0
R13COUGH	20874	0.16	0.37	0.0	1.0
R14COUGH	215	0.19	0.39	0.0	1.0
R15COUGH	15666	0.14	0.35	0.0	1.0
R16COUGH	2759	0.16	0.37	0.0	1.0

S3COUGH	11912	0.12	0.32	0.0	1.0
S4COUGH	3506	0.10	0.30	0.0	1.0
S5COUGH	12726	0.12	0.32	0.0	1.0
S6COUGH	214	0.14	0.34	0.0	1.0
S7COUGH	12967	0.13	0.34	0.0	1.0
S8COUGH	204	0.14	0.34	0.0	1.0
S9COUGH	10641	0.13	0.34	0.0	1.0
S10COUGH	4105	0.13	0.34	0.0	1.0
S11COUGH	12468	0.13	0.34	0.0	1.0
S12COUGH	172	0.18	0.39	0.0	1.0
S13COUGH	11761	0.14	0.35	0.0	1.0
S14COUGH	197	0.19	0.40	0.0	1.0
S15COUGH	8459	0.12	0.33	0.0	1.0
S16COUGH	1223	0.14	0.34	0.0	1.0
R2BEDDAYS	11298	5.41	34.22	0.0	820.0
R7BEDDAYS	19576	0.73	3.47	0.0	31.0
R8BEDDAYS	17987	0.73	3.45	0.0	31.0
R9BEDDAYS	16739	0.72	3.37	0.0	31.0
R10BEDDAYS	21495	0.78	3.46	0.0	31.0
R11BEDDAYS	20002	0.79	3.43	0.0	31.0
R12BEDDAYS	18215	0.79	3.45	0.0	31.0
R13BEDDAYS	20393	0.81	3.45	0.0	31.0
R14BEDDAYS	16878	0.81	3.46	0.0	31.0
R15BEDDAYS	15446	0.71	3.35	0.0	31.0
R16BEDDAYS	15511	0.81	3.39	0.0	31.0
S2BEDDAYS	8665	4.72	31.14	0.0	730.0
S7BEDDAYS	12845	0.60	3.08	0.0	31.0
S8BEDDAYS	11636	0.62	3.13	0.0	31.0
S9BEDDAYS	10555	0.61	3.04	0.0	31.0
S10BEDDAYS	13377	0.66	3.11	0.0	31.0
S11BEDDAYS	12353	0.69	3.20	0.0	31.0
S12BEDDAYS	10891	0.65	3.10	0.0	31.0
S13BEDDAYS	11657	0.64	3.03	0.0	31.0
S14BEDDAYS	9291	0.68	3.17	0.0	31.0
S15BEDDAYS	8408	0.59	3.09	0.0	31.0
S16BEDDAYS	7770	0.55	2.57	0.0	31.0

Categorical Variable Codes

RwSWELL: Pers Prob: Swelling feet/ankles

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				16291		17933		18256		15584
.D=DK/NA			7	2	9		14		17	1
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF			3		1	1	2		2	3
0.No			14599	4157	15481	187	15873	177	13610	5132
1.Yes			3380	934	4087	44	4240	36	3588	1314

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		18564		16931		
.D=DK/NA	42	1	26		36	
.J=Web interview, missing					7	
.M=Oth missing	1		2			
.R=RF	1		1		2	
0.No	16113	141	16252	168	12480	
1.Yes	4397	41	4631	47	3198	

SwSWELL: Pers Prob: Swelling feet/ankles

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				10474		11424		11531		9406
.D=DK/NA			2		3		7		6	1
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF			1		1	1			2	2
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			10062	2925	10498	173	10672	170	8770	3393
1.Yes			1850	581	2228	41	2293	34	1868	711

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		10840		9161		
.D=DK/NA	22	1	13		17	
.J=Web interview, missing					4	
.M=Oth missing	1					
.R=RF						
.U=Unmarried	7473	7125	8024	6678	6193	
.V=Spouse NR	597	610	1109	1110	1053	
0.No	10228	133	9595	153	7032	
1.Yes	2233	38	2171	44	1424	

RwBREATH: Pers Prob: Shortness of breath

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				16291		17933		18256		15584
.D=DK/NA			8	1	10		13		9	1
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF			3		1	1	3		2	2
0.No			15056	4313	16154	189	16619	181	14365	5429
1.Yes			2922	779	3413	42	3494	32	2841	1018

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		18564		16931		13021
.D=DK/NA	52		40		40	2
.J=Web interview, missing					12	
.M=Oth missing	1		2			1
.R=RF	3		9		3	2
0.No	16987	146	17367	184	13231	2214
1.Yes	3511	37	3494	31	2437	547

SwBREATH: Pers Prob: Shortness of breath

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				10474		11424		11531		9406
.D=DK/NA			3		6		9			1
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF			1		1	1			2	1
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			10252	3047	10803	174	11009	174	9186	3542
1.Yes			1659	459	1920	40	1954	30	1458	563

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		10840		9161		6614
.D=DK/NA	27		15		10	
.J=Web interview, missing					7	
.M=Oth missing	1					
.R=RF			1		2	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	10657	138	10108	169	7367	1005
1.Yes	1799	34	1655	28	1091	219

RwDIZZY: Pers Prob: persistent dizziness/lightheadedness

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				16291		17933		18256		15584
.D=DK/NA			15	1	18		37		25	2
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF			3		2	1	4		2	2
0.No			16021	4548	17165	200	17501	183	15135	5507
1.Yes			1950	544	2393	31	2587	30	2055	939

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		18564		16931		13021
.D=DK/NA	48	1	36		68	5
.J=Web interview, missing					11	
.M=Oth missing	1		2			1
.R=RF	2		6		3	2
0.No	17689	155	17898	189	13729	2293
1.Yes	2814	27	2970	26	1912	465

SwDIZZY: Pers Prob: persistent dizziness/lightheadedness

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				10474		11424		11531		9406
.D=DK/NA			7		9		15		3	1
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF			1		1	1	2		2	1
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			10834	3201	11378	184	11505	175	9561	3576
1.Yes			1073	305	1342	30	1450	29	1080	529

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		10840		9161		6614
.D=DK/NA	19	1	13		30	1
.J=Web interview, missing					7	
.M=Oth missing	1					
.R=RF			1		1	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	10972	146	10320	174	7522	1040
1.Yes	1492	25	1445	23	917	183

RwULCER: Pers Prob: ulcers

Value	w1	w2
.D=DK/NA		1
.M=Oth missing		60
.R=RF		7
0.No	11454	18456
1.Yes	1198	1118

SwULCER: Pers Prob: ulcers

Value	w1	w2
.D=DK/NA		1
.M=Oth missing		23
.R=RF		7
.U=Unmarried	2373	5968
.V=Spouse NR	379	584
0.No	9025	12322
1.Yes	875	737

RwBACK: Pers Prob: back pain or problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				16291		17933		18256		15584
.D=DK/NA		1	9		11		27		20	3
.J=Web interview, missing										
.M=Oth missing		60	2							
.R=RF		7	4	1	2	1	2		2	1
0.No	8313	15953	12313	3232	13090	136	12747	132	10954	3649
1.Yes	4339	3621	5663	1860	6475	95	7353	81	6241	2797

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		18564		16931		13021
.D=DK/NA	48	1	50		63	3
.J=Web interview, missing					13	
.M=Oth missing	1		2			1
.R=RF	2		5		10	2
0.No	12475	93	11829	114	9139	1460
1.Yes	8028	89	9026	101	6498	1300

SwBACK: Pers Prob: back pain or problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				10474		11424		11531		9406
.D=DK/NA		1	4		4		10		6	2
.J=Web interview, missing										
.M=Oth missing		23	2							
.R=RF		7	2	1	1	1			2	1
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	6577	10437	8260	2267	8629	124	8302	128	6922	2408
1.Yes	3323	2622	3649	1238	4096	90	4660	76	3716	1696

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		10840		9161		6614
.D=DK/NA	26	1	24		32	
.J=Web interview, missing					7	
.M=Oth missing	1					
.R=RF			1		6	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	7786	91	6870	105	5124	662
1.Yes	4671	80	4884	92	3308	562

RwHEADACH: Pers Prob: persistent headache

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				16291		17933		18256		15584
.D=DK/NA			11		17		25		18	3
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF			3		2	1	3		2	2
0.No			16199	4438	17704	193	18012	178	15798	5347
1.Yes			1776	655	1855	38	2089	35	1399	1098

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		18564		16931		13021
.D=DK/NA	28		21		24	1
.J=Web interview, missing					9	
.M=Oth missing	1		2			1
.R=RF	1		5		2	2
0.No	18483	147	18445	173	14161	2273
1.Yes	2041	36	2439	42	1527	489

SwHEADACH: Pers Prob: persistent headache

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				10474		11424		11531		9406
.D=DK/NA			8		9		8		5	3
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF			1		1	1	1		2	1
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			10755	3062	11533	179	11615	169	9831	3469
1.Yes			1151	444	1187	35	1348	35	808	634

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		10840		9161		6614
.D=DK/NA	12		9		11	
.J=Web interview, missing					3	
.M=Oth missing	1					
.R=RF			1			2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	11307	138	10490	160	7696	1012
1.Yes	1164	34	1279	37	767	212

RwFATIGUE: Pers Prob: Severe fatigue

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				16291		17933		18256		15584
.D=DK/NA			13	1	16		41		38	7
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF			3		2	1	3		2	3
0.No			14842	4254	15871	182	16161	166	13847	4928
1.Yes			3131	838	3689	49	3924	47	3330	1512

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		18564		16931		13021
.D=DK/NA	68		70		69	9
.J=Web interview, missing					14	
.M=Oth missing	1		3			1
.R=RF	5		6		5	2
0.No	16163	139	16215	167	12825	2022
1.Yes	4317	44	4618	48	2810	732

SwFATIGUE: Pers Prob: Severe fatigue

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				10474		11424		11531		9406
.D=DK/NA			6	1	6		21		14	4
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF			1		1	1	1		2	2
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			10039	2977	10602	168	10657	159	8771	3238
1.Yes			1869	528	2121	46	2293	45	1859	863

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		10840		9161		6614
.D=DK/NA	34		33		30	2
.J=Web interview, missing					10	
.M=Oth missing	1					
.R=RF			4		2	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	10068	132	9419	154	7126	918
1.Yes	2381	40	2323	43	1309	304

RwCOUGH: Pers Prob: Cough/wheeze/phlegm

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				16291		17933		18256		15584
.D=DK/NA			4		7		10		6	1
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF			3		2	1	2		2	1
0.No			15667	4483	17062	199	17228	184	14686	5497
1.Yes			2315	610	2507	32	2889	29	2523	951

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		18564		16931		13021
.D=DK/NA	32		29		48	4
.J=Web interview, missing					5	
.M=Oth missing	1		3			1
.R=RF	1		6		4	2
0.No	17385	149	17457	175	13424	2319
1.Yes	3135	34	3417	40	2242	440

SwCOUGH: Pers Prob: Cough/wheeze/phlegm

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				10474		11424		11531		9406
.D=DK/NA			2		3		5		3	1
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF			1		1	1			2	1
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			10515	3149	11260	185	11283	176	9246	3573
1.Yes			1397	357	1466	29	1684	28	1395	532

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		10840		9161		6614
.D=DK/NA	15		14		14	1
.J=Web interview, missing					2	
.M=Oth missing	1					
.R=RF			4		2	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	10793	141	10106	159	7419	1055
1.Yes	1675	31	1655	38	1040	168

How Constructed

RwSWELL, RwBREATH, RwDIZZY, RwULCER, RwBACK, RwHEADACH, RwFATIGUE, and RwCOUGH capture the Respondent's self-reported experience of persistent physical symptoms. These variables indicate whether the Respondent has experienced persistent swelling in feet and ankles, shortness of breath, persistent dizziness or lightheadedness, stomach or intestinal ulcers, back pain or problems, persistent headaches, severe fatigue or exhaustion, and persistent wheezing, cough, or bringing up phlegm, respectively. RwBACK is available in all waves. RwULCER is only available in Waves 1 and 2. RwSWELL is available from Wave 3 to Wave 15. The rest are available from Wave 3 forward.

SwSWELL, SwBREATH, SwDIZZY, SwULCER, SwBACK, SwHEADACH, SwFATIGUE, and SwCOUGH are these measures for the Respondent's spouse or partner.

Except for RwBACK and RwULCER in Wave 2, the derivation of RwSWELL, RwBREATH, RwDIZZY, RwULCER, RwBACK, RwHEADACH, RwFATIGUE, and RwCOUGH simply recodes the relevant HRS raw variable for missing values into a yes/no indicator and sets missing values to missing codes. In Wave 2, there is a series of variables that list health problems by code. If any of these variables indicate back problems RwBACK is set to "yes;" if not, it is set to "no." If any of these variables indicate stomach or intestinal ulcers RwULCER is set to "yes;" if not, it is set to "no."

Note that these questions are asked of re-interviewees every other wave from Wave 4 forward. When the questions are skipped because it is a re-interview in an alternate wave, these variables are set to .A, asked in previous wave. For odd numbered waves beginning in Wave 5, the questions are asked of everyone.

In Wave 2H (1994), R2BEDDAYS captures the number of days the Respondent spent in bed since last interview (or in the last two years for new spouses), excluding any hospital or nursing home stays. The question is not asked in Wave 2A so R2BEDDAYS is set to .Q=question not asked for the HRS cohort. RwBEDDAYS is not available in Waves 3-6. From Wave 7 forward, RwBEDDAYS captures the number of days the Respondent spent in bed in the last month, excluding any hospital or nursing home stays. From Wave 7 forward, RwBEDDAYS is skipped if the Respondent is in a nursing home and RwBEDDAYS is set to .S=Skip. SwBEDDAYS is the same information for the Respondent's spouse or partner.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3COUGH is taken from the Wave 3 spouse's R3COUGH.

Cross Wave Differences in Original HRS Data

The question about back problems is asked in all waves. The question about ulcers is asked only in Waves 1 and 2. In Waves 1 and 2H, the questions ask:

"Do you have any of the following health problems?" Then lists "Problems with your back?"; "Stomach or intestinal ulcers?" respectively.

In Wave 2A, the question asks:

"Do you have any other major health problems which you haven't told me about?"

Then lists different health problems.

The question used to construct RwSWELL is asked from Wave 3 to Wave 15. The questions used to construct RwBREATH, RwDIZZY, RwHEADACH, RwFATIGUE, and RwCOUGH are asked from Wave 3 forward. They are not asked in Waves 1 and 2.

From Wave 3 forward, the questions about persistent problems ask: "[Since we last talked to you in (previous interview month)] Have you had any of the following persistent or troublesome problems?"

Then lists "Persistent swelling in your feet or ankles?"; " Shortness of breath while awake?"; "Persistent dizziness or lightheadedness?"; "Back pain or problems?"; "Have you had persistent headaches?"; "Severe fatigue or exhaustion?"; "Persistent wheezing, cough, or bringing up phlegm?" respectively.

Every other wave, beginning with Wave 4, these questions are asked only of new Respondents. For re-interviewees, they are skipped. In the odd waves, beginning with Wave 5, all Respondents are asked these questions.

The question about persistent swelling in feet and ankles is dropped in Wave 16 so RwSWELL is not available beyond Wave 15.

RwBEDDAYS is first available in Wave 2A and then not asked again until Wave 7. In Wave 2A, the reference period for the question about days in bed is since last interview (or in the last two years for new spouses). From Wave 7 forward, the reference period for the question about days in bed changes to be number of days in the past month. From Wave 7 forward, this question is skipped for Respondents who are in nursing homes.

HRS Variables Used

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HRS 1992:
    V431            B26B:PROBLEMS WITH B:IMP
    V434            B26E:STOMCH/INTEST U:IMP
AHEAD 1993:
    B294            B18. OTHER HEALTH PROBLEMS
    B295A1          B18a. OTHER HEALTH PROBLEM-1
    B295A2          B18a. OTHER HEALTH PROBLEM-2
HRS 1994:
    W396            B25a-g.HEALTH PROBLEMS
    W397            B25a-g.HEALTH PROBLEMS
    W398            B25a-g.HEALTH PROBLEMS
    W399            B25a-g.HEALTH PROBLEMS
    W400            B25a-g.HEALTH PROBLEMS
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    W401            B25a-g.HEALTH PROBLEMS
    W422            B32.NUMBER DAYS IN BED L
HRS 1996:
    E370            PREV WAVE INTERV
    E967            B23B.  SYMPTOMS-SWELLING FEET
    E968            B23C.  SYMPTOMS-SHORT BREATH-DAY
    E969            B23F.  SYMPTOMS-DIZZINESS
    E970            B23G.  SYMPTOMS-BACK PAIN
    E971            B23H.  SYMPTOMS-HEADACHE
    E972            B23M.  SYMPTOMS-SEVERE FATIGUE OR EXHAUS
    E973            B23N.  SYMPTOMS-WHEEZING
HRS 1998:
    F1304           B23B.  SYMPTOMS-SWELLING FEET
    F1305           B23C.  SYMPTOMS-SHORT BREATH-DAY
    F1306           B23F.  SYMPTOMS-DIZZINESS
    F1307           B23G.  SYMPTOMS-BACK PAIN
    F1308           B23H.  SYMPTOMS-HEADACHE
    F1309           B23M.  SYMPTOMS-SEVERE FATIGUE OR EXHAUS
    F1310           B23N.  SYMPTOMS-WHEEZING
    F682            PREVIOUS WAVE INTERV
HRS 2000:
    G1437           B23B.SYMPTOMS-SWELLING FEET
    G1438           B23C.SYMPTOMS-SHORT BREATH-DAY
    G1439           B23F.SYMPTOMS-DIZZINESS
    G1440           B23G.SYMPTOMS-BACK PAIN
    G1441           B23H.SYMPTOMS-HEADACHE
    G1442           B23M.SYMPTOMS-SEVERE FATIGUE/EXHAUSTION
    G1443           B23N.SYMPTOMS-WHEEZING
HRS 2002-2020:
    xC143           SWELLING FEET/ANKLES
HRS 2002-2022:
    xC144           SHORTNESS OF BREATH
    xC145           EVER BEEN DIZZY
    xC146           BACK PAIN OR PROBLEMS
    xC147           PERSISTENT HEADACHE
    xC148           SEVERE FATIGUE
    xC149           PERSISTENT COUGH/WHEEZE/PHLEGM
    xZ076           R EVER INTERVIEWED
HRS 2004-2022:
    xA028           R IN NURSING HOME
    xC229           DAYS IN BED
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Health behaviors: Physical Activity or Exercise

Wave	Variable	Label	Type
1	R1VIGACT	R1VIGACT:W1 R Wtr vigorus phys act 3+/wk	Categ
2	R2VIGACT	R2VIGACT:W2 R Wtr vigorus phys act 3+/wk	Categ
3	R3VIGACT	R3VIGACT:W3 R Wtr vigorus phys act 3+/wk	Categ
4	R4VIGACT	R4VIGACT:W4 R Wtr vigorus phys act 3+/wk	Categ
5	R5VIGACT	R5VIGACT:W5 R Wtr vigorus phys act 3+/wk	Categ
6	R6VIGACT	R6VIGACT:W6 R Wtr vigorus phys act 3+/wk	Categ
1	S1VIGACT	S1VIGACT:W1 S Wtr vigorus phys act 3+/wk	Categ
2	S2VIGACT	S2VIGACT:W2 S Wtr vigorus phys act 3+/wk	Categ
3	S3VIGACT	S3VIGACT:W3 S Wtr vigorus phys act 3+/wk	Categ
4	S4VIGACT	S4VIGACT:W4 S Wtr vigorus phys act 3+/wk	Categ
5	S5VIGACT	S5VIGACT:W5 S Wtr vigorus phys act 3+/wk	Categ
6	S6VIGACT	S6VIGACT:W6 S Wtr vigorus phys act 3+/wk	Categ
1	R1VGACTF	R1VGACTF:W1 R Freq vigorous phys activ	Categ
1	S1VGACTF	S1VGACTF:W1 S Freq vigorous phys activ	Categ
1	R1HSWRKF	R1HSWRKF:W1 R Freq heavy housework	Categ
1	S1HSWRKF	S1HSWRKF:W1 S Freq heavy housework	Categ
2	R2VGACTN	R2VGACTN:W2 R # times/per vigor phys act	Cont
2	S2VGACTN	S2VGACTN:W2 S # times/per vigor phys act	Cont
2	R2VGACTP	R2VGACTP:W2 R Period vigor phys activ	Categ
2	S2VGACTP	S2VGACTP:W2 S Period vigor phys activ	Categ
1	R1LHTACT	R1LHTACT:W1 R Wtr light phys activ 3+/wk	Categ
2	R2LHTACT	R2LHTACT:W2 R Wtr light phys activ 3+/wk	Categ
1	S1LHTACT	S1LHTACT:W1 S Wtr light phys activ 3+/wk	Categ
2	S2LHTACT	S2LHTACT:W2 S Wtr light phys activ 3+/wk	Categ
1	R1LTACTF	R1LTACTF:W1 R Freq light phys activities	Categ
1	S1LTACTF	S1LTACTF:W1 S Freq light phys activities	Categ
2	R2LTACTN	R2LTACTN:W2 R # times/per light phys act	Cont
2	S2LTACTN	S2LTACTN:W2 S # times/per light phys act	Cont
2	R2LTACTP	R2LTACTP:W2 R Period light phys activ	Categ
2	S2LTACTP	S2LTACTP:W2 S Period light phys activ	Categ
7	R7VGACTX	R7VGACTX:W7 R Freq vigorous phys activ {finer scale}	Categ
8	R8VGACTX	R8VGACTX:W8 R Freq vigorous phys activ {finer scale}	Categ
9	R9VGACTX	R9VGACTX:W9 R Freq vigorous phys activ {finer scale}	Categ
10	R10VGACTX	R10VGACTX:W10 R Freq vigorous phys activ {finer scale}	Categ
11	R11VGACTX	R11VGACTX:W11 R Freq vigorous phys activ {finer scale}	Categ
12	R12VGACTX	R12VGACTX:W12 R Freq vigorous phys activ {finer scale}	Categ
13	R13VGACTX	R13VGACTX:W13 R Freq vigorous phys activ {finer scale}	Categ
14	R14VGACTX	R14VGACTX:W14 R Freq vigorous phys activ {finer scale}	Categ
15	R15VGACTX	R15VGACTX:W15 R Freq vigorous phys activ {finer scale}	Categ
16	R16VGACTX	R16VGACTX:W16 R Freq vigorous phys activ {finer scale}	Categ
7	S7VGACTX	S7VGACTX:W7 S Freq vigorous phys activ {finer scale}	Categ
8	S8VGACTX	S8VGACTX:W8 S Freq vigorous phys activ {finer scale}	Categ
9	S9VGACTX	S9VGACTX:W9 S Freq vigorous phys activ {finer scale}	Categ
10	S10VGACTX	S10VGACTX:W10 S Freq vigorous phys activ {finer scale}	Categ
11	S11VGACTX	S11VGACTX:W11 S Freq vigorous phys activ {finer scale}	Categ
12	S12VGACTX	S12VGACTX:W12 S Freq vigorous phys activ {finer scale}	Categ
13	S13VGACTX	S13VGACTX:W13 S Freq vigorous phys activ {finer scale}	Categ

14	S14VGACTX	S14VGACTX:W14 S Freq vigorous phys activ {finer scale}	Categ
15	S15VGACTX	S15VGACTX:W15 S Freq vigorous phys activ {finer scale}	Categ
16	S16VGACTX	S16VGACTX:W16 S Freq vigorous phys activ {finer scale}	Categ
7	R7MDACTX	R7MDACTX:W7 R Freq moderate phys activ {finer scale}	Categ
8	R8MDACTX	R8MDACTX:W8 R Freq moderate phys activ {finer scale}	Categ
9	R9MDACTX	R9MDACTX:W9 R Freq moderate phys activ {finer scale}	Categ
10	R10MDACTX	R10MDACTX:W10 R Freq moderate phys activ {finer scale}	Categ
11	R11MDACTX	R11MDACTX:W11 R Freq moderate phys activ {finer scale}	Categ
12	R12MDACTX	R12MDACTX:W12 R Freq moderate phys activ {finer scale}	Categ
13	R13MDACTX	R13MDACTX:W13 R Freq moderate phys activ {finer scale}	Categ
14	R14MDACTX	R14MDACTX:W14 R Freq moderate phys activ {finer scale}	Categ
15	R15MDACTX	R15MDACTX:W15 R Freq moderate phys activ {finer scale}	Categ
16	R16MDACTX	R16MDACTX:W16 R Freq moderate phys activ {finer scale}	Categ
7	S7MDACTX	S7MDACTX:W7 S Freq moderate phys activ {finer scale}	Categ
8	S8MDACTX	S8MDACTX:W8 S Freq moderate phys activ {finer scale}	Categ
9	S9MDACTX	S9MDACTX:W9 S Freq moderate phys activ {finer scale}	Categ
10	S10MDACTX	S10MDACTX:W10 S Freq moderate phys activ {finer scale}	Categ
11	S11MDACTX	S11MDACTX:W11 S Freq moderate phys activ {finer scale}	Categ
12	S12MDACTX	S12MDACTX:W12 S Freq moderate phys activ {finer scale}	Categ
13	S13MDACTX	S13MDACTX:W13 S Freq moderate phys activ {finer scale}	Categ
14	S14MDACTX	S14MDACTX:W14 S Freq moderate phys activ {finer scale}	Categ
15	S15MDACTX	S15MDACTX:W15 S Freq moderate phys activ {finer scale}	Categ
16	S16MDACTX	S16MDACTX:W16 S Freq moderate phys activ {finer scale}	Categ
7	R7LTACTX	R7LTACTX:W7 R Freq light phys activ {finer scale}	Categ
8	R8LTACTX	R8LTACTX:W8 R Freq light phys activ {finer scale}	Categ
9	R9LTACTX	R9LTACTX:W9 R Freq light phys activ {finer scale}	Categ
10	R10LTACTX	R10LTACTX:W10 R Freq light phys activ {finer scale}	Categ
11	R11LTACTX	R11LTACTX:W11 R Freq light phys activ {finer scale}	Categ
12	R12LTACTX	R12LTACTX:W12 R Freq light phys activ {finer scale}	Categ
13	R13LTACTX	R13LTACTX:W13 R Freq light phys activ {finer scale}	Categ
14	R14LTACTX	R14LTACTX:W14 R Freq light phys activ {finer scale}	Categ
15	R15LTACTX	R15LTACTX:W15 R Freq light phys activ {finer scale}	Categ
16	R16LTACTX	R16LTACTX:W16 R Freq light phys activ {finer scale}	Categ
7	S7LTACTX	S7LTACTX:W7 S Freq light phys activ {finer scale}	Categ
8	S8LTACTX	S8LTACTX:W8 S Freq light phys activ {finer scale}	Categ
9	S9LTACTX	S9LTACTX:W9 S Freq light phys activ {finer scale}	Categ
10	S10LTACTX	S10LTACTX:W10 S Freq light phys activ {finer scale}	Categ
11	S11LTACTX	S11LTACTX:W11 S Freq light phys activ {finer scale}	Categ
12	S12LTACTX	S12LTACTX:W12 S Freq light phys activ {finer scale}	Categ
13	S13LTACTX	S13LTACTX:W13 S Freq light phys activ {finer scale}	Categ
14	S14LTACTX	S14LTACTX:W14 S Freq light phys activ {finer scale}	Categ
15	S15LTACTX	S15LTACTX:W15 S Freq light phys activ {finer scale}	Categ
16	S16LTACTX	S16LTACTX:W16 S Freq light phys activ {finer scale}	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1VIGACT	12652	0.19	0.40	0.0	1.0
R2VIGACT	11082	0.22	0.41	0.0	1.0
R3VIGACT	17982	0.42	0.49	0.0	1.0
R4VIGACT	21373	0.42	0.49	0.0	1.0
R5VIGACT	19572	0.42	0.49	0.0	1.0
R6VIGACT	18158	0.40	0.49	0.0	1.0
S1VIGACT	9900	0.19	0.39	0.0	1.0
S2VIGACT	8470	0.23	0.42	0.0	1.0
S3VIGACT	11912	0.47	0.50	0.0	1.0
S4VIGACT	13975	0.46	0.50	0.0	1.0
S5VIGACT	12725	0.47	0.50	0.0	1.0
S6VIGACT	11633	0.45	0.50	0.0	1.0

R1VGACTF	12652	3.84	1.45	1.0	5.0
S1VGACTF	9900	3.80	1.45	1.0	5.0
R1HSWRKF	12652	3.39	1.28	1.0	5.0
S1HSWRKF	9900	3.45	1.28	1.0	5.0
R2VGACTN	11073	1.55	10.84	0.0	365.0
S2VGACTN	8460	1.42	6.60	0.0	365.0
R2VGACTP	5833	3.68	3.11	2.0	11.0
S2VGACTP	4545	3.69	3.11	2.0	11.0
R1LHTACT	12652	0.52	0.50	0.0	1.0
R2LHTACT	11150	0.68	0.46	0.0	1.0
S1LHTACT	9900	0.53	0.50	0.0	1.0
S2LHTACT	8532	0.69	0.46	0.0	1.0
R1LTACTF	12652	2.02	1.35	1.0	5.0
S1LTACTF	9900	1.99	1.32	1.0	5.0
R2LTACTN	11003	4.64	25.98	0.0	485.0
S2LTACTN	8414	4.61	25.53	0.0	485.0
R2LTACTP	9546	5.54	4.31	2.0	11.0
S2LTACTP	7405	5.55	4.32	2.0	11.0
R7VGACTX	20109	4.07	1.30	1.0	5.0
R8VGACTX	18445	4.08	1.32	1.0	5.0
R9VGACTX	17207	4.07	1.31	1.0	5.0
R10VGACTX	21985	3.96	1.32	1.0	5.0
R11VGACTX	20489	3.94	1.32	1.0	5.0
R12VGACTX	18667	3.94	1.32	1.0	5.0
R13VGACTX	20808	3.93	1.32	1.0	5.0
R14VGACTX	17091	3.92	1.35	1.0	5.0
R15VGACTX	15614	3.94	1.33	1.0	5.0
R16VGACTX	15720	3.96	1.36	1.0	5.0
S7VGACTX	12959	3.93	1.34	1.0	5.0
S8VGACTX	11724	3.94	1.36	1.0	5.0
S9VGACTX	10637	3.92	1.35	1.0	5.0
S10VGACTX	13492	3.83	1.34	1.0	5.0
S11VGACTX	12445	3.81	1.34	1.0	5.0
S12VGACTX	10970	3.82	1.34	1.0	5.0
S13VGACTX	11721	3.83	1.33	1.0	5.0
S14VGACTX	9333	3.81	1.36	1.0	5.0
S15VGACTX	8431	3.80	1.35	1.0	5.0
S16VGACTX	7811	3.84	1.37	1.0	5.0
R7MDACTX	20116	2.99	1.30	1.0	5.0
R8MDACTX	18454	2.92	1.37	1.0	5.0

R9MDACTX	17208	2.96	1.36	1.0	5.0
R10MDACTX	22001	3.06	1.32	1.0	5.0
R11MDACTX	20520	3.03	1.31	1.0	5.0
R12MDACTX	18689	3.07	1.33	1.0	5.0
R13MDACTX	20830	3.00	1.31	1.0	5.0
R14MDACTX	17118	2.97	1.36	1.0	5.0
R15MDACTX	15659	2.94	1.36	1.0	5.0
R16MDACTX	15726	2.95	1.38	1.0	5.0
S7MDACTX	12963	2.86	1.23	1.0	5.0
S8MDACTX	11727	2.78	1.31	1.0	5.0
S9MDACTX	10641	2.83	1.30	1.0	5.0
S10MDACTX	13503	2.93	1.26	1.0	5.0
S11MDACTX	12459	2.91	1.26	1.0	5.0
S12MDACTX	10984	2.95	1.27	1.0	5.0
S13MDACTX	11739	2.90	1.25	1.0	5.0
S14MDACTX	9342	2.86	1.30	1.0	5.0
S15MDACTX	8450	2.81	1.30	1.0	5.0
S16MDACTX	7809	2.85	1.33	1.0	5.0
R7LTACTX	20118	2.69	1.11	1.0	5.0
R8LTACTX	18459	2.62	1.18	1.0	5.0
R9LTACTX	17206	2.64	1.19	1.0	5.0
R10LTACTX	22009	2.73	1.16	1.0	5.0
R11LTACTX	20518	2.74	1.16	1.0	5.0
R12LTACTX	18720	2.77	1.16	1.0	5.0
R13LTACTX	20851	2.69	1.14	1.0	5.0
R14LTACTX	17111	2.66	1.18	1.0	5.0
R15LTACTX	15650	2.63	1.17	1.0	5.0
R16LTACTX	15733	2.60	1.19	1.0	5.0
S7LTACTX	12967	2.60	1.06	1.0	5.0
S8LTACTX	11729	2.51	1.13	1.0	5.0
S9LTACTX	10642	2.53	1.14	1.0	5.0
S10LTACTX	13501	2.64	1.11	1.0	5.0
S11LTACTX	12463	2.63	1.11	1.0	5.0
S12LTACTX	11004	2.67	1.12	1.0	5.0
S13LTACTX	11747	2.61	1.10	1.0	5.0
S14LTACTX	9339	2.59	1.16	1.0	5.0
S15LTACTX	8444	2.54	1.14	1.0	5.0
S16LTACTX	7820	2.52	1.16	1.0	5.0

Categorical Variable Codes

RwVIGACT: R Wtr vigorus phys act 3+/wk

Value	w1	w2	w3	w4	w5	w6
.D=DK/NA		25	5	9	5	7
.M=Oth missing		309	3			
.Q=Not asked this wv		8222				
.R=RF		4	1	2	1	
0.No	10199	8689	10352	12337	11367	10884
1.Yes	2453	2393	7630	9036	8205	7274

SwVIGACT: S Wtr vigorus phys act 3+/wk

Value	w1	w2	w3	w4	w5	w6
.D=DK/NA		16	2	4	4	6
.M=Oth missing		252	3			
.Q=Not asked this wv		4549				
.R=RF		3		1	1	
.U=Unmarried	2373	5968	5657	6868	6537	6306
.V=Spouse NR	379	384	417	536	311	220
0.No	8001	6561	6321	7491	6802	6356
1.Yes	1899	1909	5591	6484	5923	5277

R1VGACTF: R Freq vigorous phys activ

Value	w1
1.3+ per week	1609
2.1-2 per week	1239
3.1-3 per mon	1034
4.Lt 1 per mon	2424
5.Never	6346

S1VGACTF: S Freq vigorous phys activ

Value	w1
.U=Unmarried	2373
.V=Spouse NR	379
1.3+ per week	1291
2.1-2 per week	999
3.1-3 per mon	861
4.Lt 1 per mon	1983
5.Never	4766

R1HSWRKF: R Freq heavy housework

Value	w1
1.3+ per week	994
2.1-2 per week	2668
3.1-3 per mon	2663
4.Lt 1 per mon	3055
5.Never	3272

S1HSWRKF: S Freq heavy housework

Value	w1
.U=Unmarried	2373
.V=Spouse NR	379
1.3+ per week	715
2.1-2 per week	1992
3.1-3 per mon	2057
4.Lt 1 per mon	2443
5.Never	2693

R2VGACTP: R Period vigor phys activ

Value	w2
.A=All the time	65
.D=DK/NA	25
.M=Oth missing	256
.Q=Not asked this wv	8222
.R=RF	4
.Z=None	5237
02.Per week	4017
04.Per month	779
06.Per year	175
07.Per other	52
11.Per day	810

S2VGACTP: S Period vigor phys activ

Value	w2
.A=All the time	57
.D=DK/NA	16
.M=Oth missing	208
.Q=Not asked this wv	4549
.R=RF	3
.U=Unmarried	5968
.V=Spouse NR	384
.Z=None	3912
02.Per week	3126
04.Per month	607
06.Per year	135
07.Per other	43
11.Per day	634

RwLHTACT: R Wtr light phys activ 3+/wk

Value	w1	w2
.D=DK/NA		20
.M=Oth missing		249
.Q=Not asked this wv		8222
.R=RF		1
0.No	6043	3524
1.Yes	6609	7626

SwLHTACT: S Wtr light phys activ 3+/wk

Value	w1	w2
.D=DK/NA		13
.M=Oth missing		195
.Q=Not asked this wv		4549
.R=RF		1
.U=Unmarried	2373	5968
.V=Spouse NR	379	384
0.No	4666	2607
1.Yes	5234	5925

R1LTACTF: R Freq light phys activities

Value	w1
1.3+ per week	6609
2.1-2 per week	2676
3.1-3 per mon	1136
4.Lt 1 per mon	942
5.Never	1289

S1LTACTF: S Freq light phys activities

Value	w1
.U=Unmarried	2373
.V=Spouse NR	379
1.3+ per week	5234
2.1-2 per week	2126
3.1-3 per mon	887
4.Lt 1 per mon	740
5.Never	913

R2LTACTP: R Period light phys activ

Value	w2
.A=All the time	166
.D=DK/NA	20
.M=Oth missing	237
.Q=Not asked this wv	8222
.Z=None	1451
02.Per week	5478
04.Per month	323
06.Per year	105
07.Per other	12
11.Per day	3628

S2LTACTP: S Period light phys activ

Value	w2
.A=All the time	133
.D=DK/NA	13
.M=Oth missing	187
.Q=Not asked this wv	4549
.U=Unmarried	5968
.V=Spouse NR	384
.Z=None	1003
02.Per week	4255
04.Per month	238
06.Per year	79
07.Per other	8
11.Per day	2825

RwVGACTX: R Freq vigorous phys activ {finer scale}

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA							17	18	9	39
.J=Web interview, missing										
.M=Oth missing								2		
.R=RF							3	4	1	10
1.Every day							385	520	456	531
2.>1 per week							4169	3578	3361	4809
3.1 per week							1590	1458	1403	2201
4.1-3 per mon							1464	1190	1260	2021
5.Never							12501	11699	10727	12423

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	61	76	95	44	95	51
.J=Web interview, missing				2	8	8
.M=Oth missing	1		2			2
.R=RF	3	4	7	9	6	6
1.Every day	450	478	498	624	534	689
2.>1 per week	4527	4024	4548	3619	3133	3050
3.1 per week	2248	1971	2234	1683	1729	1502
4.1-3 per mon	1890	1814	2066	1684	1555	1483
5.Never	11374	10380	11462	9481	8663	8996

SwVGACTX: S Freq vigorous phys activ {finer scale}

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA							10	8	8	16
.J=Web interview, missing										
.M=Oth missing								1		
.R=RF							3	2	1	5
.U=Unmarried							6777	6417	6206	7797
.V=Spouse NR							380	317	365	724
1.Every day							283	377	318	342
2.>1 per week							3084	2626	2427	3331
3.1 per week							1189	1070	1015	1512
4.1-3 per mon							1092	862	892	1422
5.Never							7311	6789	5985	6885

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	38	41	52	22	41	21
.J=Web interview, missing				2	3	5
.M=Oth missing	1					1
.R=RF		1	6	1	2	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Every day	289	282	292	333	315	344
2.>1 per week	3110	2695	2822	2213	1927	1705
3.1 per week	1503	1273	1395	1023	1078	848
4.1-3 per mon	1333	1222	1337	1070	953	865
5.Never	6210	5498	5875	4694	4158	4049

RwMDACTX: R Freq moderate phys activ {finer scale}

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA							11	11	8	28
.J=Web interview, missing										
.M=Oth missing								2		
.R=RF							2	2	1	5
1.Every day							1096	1909	1777	1530
2.>1 per week							9284	7939	6949	8754
3.1 per week							3163	2649	2709	3868
4.1-3 per mon							1914	1549	1703	2565
5.Never							4659	4408	4070	5284

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	31	56	77	17	54	46
.J=Web interview, missing				7	5	8
.M=Oth missing	1		2			3
.R=RF	2	2	3	4	5	4
1.Every day	1467	1336	1619	1908	1879	2023
2.>1 per week	8351	7310	8444	6540	5944	5723
3.1 per week	3582	3254	3672	2756	2527	2508
4.1-3 per mon	2439	2250	2569	2049	1912	1934
5.Never	4681	4539	4526	3865	3397	3538

SwMDACTX: S Freq moderate phys activ {finer scale}

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA							7	6	4	7
.J=Web interview, missing										
.M=Oth missing								1		
.R=RF							2	1	1	3
.U=Unmarried							6777	6417	6206	7797
.V=Spouse NR							380	317	365	724
1.Every day							706	1285	1106	940
2.>1 per week							6439	5475	4682	5841
3.1 per week							2207	1744	1791	2487
4.1-3 per mon							1249	988	1059	1640
5.Never							2362	2235	2003	2595

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	24	27	38	10	24	25
.J=Web interview, missing				5	2	4
.M=Oth missing	1					1
.R=RF		1	2	1	1	1
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Every day	892	757	852	1029	1026	1005
2.>1 per week	5465	4681	5150	3877	3527	3106
3.1 per week	2276	2047	2175	1546	1380	1241
4.1-3 per mon	1536	1342	1460	1162	1054	975
5.Never	2290	2157	2102	1728	1463	1482

RwLTACTX: R Freq light phys activ {finer scale}

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA							8	7	10	17
.J=Web interview, missing										
.M=Oth missing								2		
.R=RF							3	1	1	8
1.Every day							1074	2158	2090	1875
2.>1 per week							10649	8841	7828	9874
3.1 per week							4503	3840	3834	5553
4.1-3 per mon							1301	1187	1076	1744
5.Never							2591	2433	2378	2963

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	31	24	55	20	55	35
.J=Web interview, missing				6	13	8
.M=Oth missing	1		2			3
.R=RF	4	3	4	9	5	8
1.Every day	1713	1499	1983	2178	2080	2456
2.>1 per week	9126	8091	9242	7210	6581	6302
3.1 per week	5262	4942	5407	4114	3872	3802
4.1-3 per mon	1625	1577	1690	1473	1272	1360
5.Never	2792	2611	2529	2136	1845	1813

SwLTACTX: S Freq light phys activ {finer scale}

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA							2	5	3	9
.J=Web interview, missing										
.M=Oth missing								1		
.R=RF							3		1	3
.U=Unmarried							6777	6417	6206	7797
.V=Spouse NR							380	317	365	724
1.Every day							738	1501	1402	1215
2.>1 per week							7293	5987	5167	6545
3.1 per week							2698	2254	2220	3164
4.1-3 per mon							877	751	692	1070
5.Never							1361	1236	1161	1507

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	19	7	30	10	25	11
.J=Web interview, missing				5	8	4
.M=Oth missing	1					2
.R=RF	1	1	2	4		3
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Every day	1131	934	1161	1241	1202	1315
2.>1 per week	6011	5244	5577	4171	3848	3331
3.1 per week	2972	2627	2861	2096	1857	1743
4.1-3 per mon	1000	938	959	796	665	644
5.Never	1349	1261	1189	1035	872	787

How Constructed

R1LTACTF gives the Respondent's frequency of light physical activity or exercise. R1VGACTF gives the Respondent's frequency of vigorous physical activity, and R1HSWRKF gives the frequency of doing heavy housework. R2LTACTN and R2LTACTP give the Respondent's frequency of light physical activity as number of times and over what period, respectively. R2VGACTN and R2VGACTP give the same for the Respondent's frequency of vigorous physical activity. RwLHTACT and RwVIGACT indicate whether the Respondent participates in light and vigorous physical activity, respectively, 3 or more times a week.

S1LTACTF, S1VGACTF, S1HSWRKF, S2LTACTN, S2LTACTP, S2VGACTN, S2VGACTP, SwLHTACT, and SwVIGACT give this information for the Respondent's spouse or partner.

In Wave 2A, questions are not asked about either light or vigorous activity. For AHEAD Respondents in Wave 2, R2VIGACT, R2VGACTF, R2HSWRKF, R2VGACTN, R2VGACTP, R2LHTACT, R2LTACTF, R2LTACTN AND R2LTACTP are set to the .Q SAS special missing value, to indicate that no information is available.

The raw categorical Wave 1 variables are simply recoded for missings in R1LTACTF, R1VGACTF, and R1HSWRKF. The raw Wave 2H variables are recoded for missings with R2LTACTN and R2VGACTN set to number of times and R2LTACTP and R2VGACTP set to the period. For R2LTACTN/S2LTACTN, there is a code in the raw HRS data for "All the time; All day at work." For R2VGACTN/S2VGACTN, there is a similar code in the raw HRS data for "Job requires vigorous activity." Both of these designations are recoded to the .L SAS special missing value.

R1LHTACT, R2LHTACT, R1VIGACT, and R2VIGACT are attempts to make Wave 1 and 2H variables that are compatible with yes/no answers for physical activity in later waves which ask if the Respondent participates in vigorous activity 3 or more times per week. For Wave 1, the derivation sets R1LHTACT to "yes" if R1LTACTF is 3+ times a week, and to "no" otherwise. The derivation for R1VIGACT combines the vigorous activity and heavy housework questions. If either is 3+ times/week, then R1VIGACT is set to "yes."

In Wave 2H, the derivation sets R2LHTACT based on the number of times and frequencies to arrive at a yes/no answer for 3+ times per week. It is made "yes" if the period is day, or if the Respondent answers 3+ times per week, 12+ times per month, or 156+ times a year. The derivation for R2VIGACT is the same.

From Wave 3 to Wave 6, the RwVIGACT derivation recodes the raw variable to "1" if the Respondent answers "yes," participates in vigorous physical activity 3 or more times a week, and to "0" for "no." The question about light physical activity is not asked.

From Wave 7 forward, the single question about vigorous physical activity is replaced with three questions about physical activity, which offer the choice of vigorous, moderate or light physical activity occurring every day, more than once per week, once per week, one to three times per month, or never. These measures are derived as RwVGACTX, RwMDACTX, RwLTACTX, SwVGACTX, SwMDACTX and SwLTACTX.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S2VIGACT is taken from the Wave 2 spouse's R2VIGACT variable.

Cross Wave Differences in Original HRS Data

In Wave 1, three questions ask about light physical activity, vigorous physical activity, and doing heavy housework:

"The next few questions are about exercise. How often do you participate in light physical activity–such as walking, dancing, gardening, golfing, bowling, etc?"

"How often do you participate in vigorous physical exercise or sports–such as aerobics, running, swimming, or bicycling?"

"How often do you do heavy housework like scrubbing floors or washing windows?"

The answers are 5-category frequencies: 3+ times/week, 1-2 times/week, 1-2 times/month, less than 1/month, and never.

In Wave 2H, the question wording about light physical activity is similar but the question about vigorous physical activity includes doing heavy housework and both questions are answered in two parts:

"The next few questions are about physical activities. Please tell me how often you participate in light physical activity–such as walking, dancing, gardening, golfing, bowling, etc?"

"How often do you participate in vigorous physical activity or sports–such as heavy housework, aerobics, running, swimming, or bicycling?"

The answers are given as how many times and over what period.

In Wave 2A, the questions are not asked.

From Waves 3 through 6, the question about light physical activity is not asked. The only question about physical activity asks:

"On average over the last 12 months have you participated in vigorous physical activity or exercise three times a week or more? By vigorous physical activity, we mean things like sports, heavy housework, or a job that involves physical labor."

The answers are given as "yes" or "no," for 3 or more times per week.

Because of wording differences, even with the attempt to recode to a consistent measure, the RwVIGACT variables seem to be significantly different measures across waves. In Waves 1 and 2H, the questions asking about vigorous physical activity do not specify including a job that involves physical labor. Whereas in Waves 3 through 6, the question about vigorous physical activity includes sports, heavy housework, and a job that involves physical labor. No questions are asked about light or vigorous activity in Wave 2A.

From Wave 7 forward, the single question about vigorous physical activity is replaced with three questions covering vigorous, moderate or light physical activity. The possible responses also change to: every day, more than once per week, once per week, one to three times per month, or never. The wording for these questions is:

"We would like to know the type and amount of physical activity involved in your daily life. How often do you take part in sports or activities that are vigorous, such as running or jogging, swimming, cycling, aerobics or gym workout, tennis, or digging with a spade or shovel?"

"And how often do you take part in sports or activities that are moderately energetic such as, gardening, cleaning the car, walking at a moderate pace, dancing, floor or stretching exercises?"

"And how often do you take part in sports or activities that are mildly energetic, such as vacuuming, laundry, home repairs?"

HRS Variables Used

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HRS 1992:
    V512            B38:FREQ:LIGHT PHYS :IMP
    V513            B39:FREQ:HEAVY PHYS :IMP
    V514            B40:HEAVY HOUSE WORK:IMP
HRS 1994:
    W458            B42.LIGHT PHYSICAL EXERC
    W459            B42a.AMOUNT WEEK/MONTH/Y
    W460            B43.VIGOROUS EXERCISE
    W461            B43a.AMOUNT WEEK/MONTH/Y
AHEAD 1995:
    D934            B19Q. VIGOROUS EXERCISE
HRS 1996:
    E934            B19Q. VIGOROUS EXERCISE
HRS 1998:
    F1262           B19Q. VIGOROUS EXERCISE
HRS 2000:
    G1395           B19Q. VIGOROUS EXERCISE
HRS 2002:
    HC115           VIGOROUS EXERCISE
HRS 2004-2022:
    xC223           HOW OFTEN VIGOROUS ACTIVITY
    xC224           HOW OFTEN MODERATE ACTIVITY
    xC225           HOW OFTEN MILD ACTIVITY
```

Health behaviors: Preventive behaviors

Wave	Variable	Label	Type
3	R3CHOLST	R3CHOLST:W3 Prev Cholesterol	Categ
4	R4CHOLST	R4CHOLST:W4 Prev Cholesterol	Categ
5	R5CHOLST	R5CHOLST:W5 Prev Cholesterol	Categ
6	R6CHOLST	R6CHOLST:W6 Prev Cholesterol	Categ
7	R7CHOLST	R7CHOLST:W7 Prev Cholesterol	Categ
8	R8CHOLST	R8CHOLST:W8 Prev Cholesterol	Categ
9	R9CHOLST	R9CHOLST:W9 Prev Cholesterol	Categ
10	R10CHOLST	R10CHOLST:W10 Prev Cholesterol	Categ
11	R11CHOLST	R11CHOLST:W11 Prev Cholesterol	Categ
12	R12CHOLST	R12CHOLST:W12 Prev Cholesterol	Categ
13	R13CHOLST	R13CHOLST:W13 Prev Cholesterol	Categ
14	R14CHOLST	R14CHOLST:W14 Prev Cholesterol	Categ
15	R15CHOLST	R15CHOLST:W15 Prev Cholesterol	Categ
16	R16CHOLST	R16CHOLST:W16 Prev Cholesterol	Categ
3	S3CHOLST	S3CHOLST:W3 Prev Cholesterol	Categ
4	S4CHOLST	S4CHOLST:W4 Prev Cholesterol	Categ
5	S5CHOLST	S5CHOLST:W5 Prev Cholesterol	Categ
6	S6CHOLST	S6CHOLST:W6 Prev Cholesterol	Categ
7	S7CHOLST	S7CHOLST:W7 Prev Cholesterol	Categ
8	S8CHOLST	S8CHOLST:W8 Prev Cholesterol	Categ
9	S9CHOLST	S9CHOLST:W9 Prev Cholesterol	Categ
10	S10CHOLST	S10CHOLST:W10 Prev Cholesterol	Categ
11	S11CHOLST	S11CHOLST:W11 Prev Cholesterol	Categ
12	S12CHOLST	S12CHOLST:W12 Prev Cholesterol	Categ
13	S13CHOLST	S13CHOLST:W13 Prev Cholesterol	Categ
14	S14CHOLST	S14CHOLST:W14 Prev Cholesterol	Categ
15	S15CHOLST	S15CHOLST:W15 Prev Cholesterol	Categ
16	S16CHOLST	S16CHOLST:W16 Prev Cholesterol	Categ
3	R3FLUSHT	R3FLUSHT:W3 Prev Flu Shot	Categ
4	R4FLUSHT	R4FLUSHT:W4 Prev Flu Shot	Categ
5	R5FLUSHT	R5FLUSHT:W5 Prev Flu Shot	Categ
6	R6FLUSHT	R6FLUSHT:W6 Prev Flu Shot	Categ
7	R7FLUSHT	R7FLUSHT:W7 Prev Flu Shot	Categ
8	R8FLUSHT	R8FLUSHT:W8 Prev Flu Shot	Categ
9	R9FLUSHT	R9FLUSHT:W9 Prev Flu Shot	Categ
10	R10FLUSHT	R10FLUSHT:W10 Prev Flu Shot	Categ
11	R11FLUSHT	R11FLUSHT:W11 Prev Flu Shot	Categ
12	R12FLUSHT	R12FLUSHT:W12 Prev Flu Shot	Categ
13	R13FLUSHT	R13FLUSHT:W13 Prev Flu Shot	Categ
14	R14FLUSHT	R14FLUSHT:W14 Prev Flu Shot	Categ
15	R15FLUSHT	R15FLUSHT:W15 Prev Flu Shot	Categ
16	R16FLUSHT	R16FLUSHT:W16 Prev Flu Shot	Categ
3	S3FLUSHT	S3FLUSHT:W3 Prev Flu Shot	Categ
4	S4FLUSHT	S4FLUSHT:W4 Prev Flu Shot	Categ
5	S5FLUSHT	S5FLUSHT:W5 Prev Flu Shot	Categ
6	S6FLUSHT	S6FLUSHT:W6 Prev Flu Shot	Categ
7	S7FLUSHT	S7FLUSHT:W7 Prev Flu Shot	Categ
8	S8FLUSHT	S8FLUSHT:W8 Prev Flu Shot	Categ
9	S9FLUSHT	S9FLUSHT:W9 Prev Flu Shot	Categ
10	S10FLUSHT	S10FLUSHT:W10 Prev Flu Shot	Categ
11	S11FLUSHT	S11FLUSHT:W11 Prev Flu Shot	Categ
12	S12FLUSHT	S12FLUSHT:W12 Prev Flu Shot	Categ
13	S13FLUSHT	S13FLUSHT:W13 Prev Flu Shot	Categ
14	S14FLUSHT	S14FLUSHT:W14 Prev Flu Shot	Categ
15	S15FLUSHT	S15FLUSHT:W15 Prev Flu Shot	Categ
16	S16FLUSHT	S16FLUSHT:W16 Prev Flu Shot	Categ
3	R3BREAST	R3BREAST:W3 Prev Breast Check	Categ
4	R4BREAST	R4BREAST:W4 Prev Breast Check	Categ
5	R5BREAST	R5BREAST:W5 Prev Breast Check	Categ
6	R6BREAST	R6BREAST:W6 Prev Breast Check	Categ
7	R7BREAST	R7BREAST:W7 Prev Breast Check	Categ
8	R8BREAST	R8BREAST:W8 Prev Breast Check	Categ

9	R9BREAST	R9BREAST:W9 Prev Breast Check	Categ
10	R10BREAST	R10BREAST:W10 Prev Breast Check	Categ
3	S3BREAST	S3BREAST:W3 Prev Breast Check	Categ
4	S4BREAST	S4BREAST:W4 Prev Breast Check	Categ
5	S5BREAST	S5BREAST:W5 Prev Breast Check	Categ
6	S6BREAST	S6BREAST:W6 Prev Breast Check	Categ
7	S7BREAST	S7BREAST:W7 Prev Breast Check	Categ
8	S8BREAST	S8BREAST:W8 Prev Breast Check	Categ
9	S9BREAST	S9BREAST:W9 Prev Breast Check	Categ
10	S10BREAST	S10BREAST:W10 Prev Breast Check	Categ
3	R3MAMMOG	R3MAMMOG:W3 Prev Mammogram	Categ
4	R4MAMMOG	R4MAMMOG:W4 Prev Mammogram	Categ
5	R5MAMMOG	R5MAMMOG:W5 Prev Mammogram	Categ
6	R6MAMMOG	R6MAMMOG:W6 Prev Mammogram	Categ
7	R7MAMMOG	R7MAMMOG:W7 Prev Mammogram	Categ
8	R8MAMMOG	R8MAMMOG:W8 Prev Mammogram	Categ
9	R9MAMMOG	R9MAMMOG:W9 Prev Mammogram	Categ
10	R10MAMMOG	R10MAMMOG:W10 Prev Mammogram	Categ
11	R11MAMMOG	R11MAMMOG:W11 Prev Mammogram	Categ
12	R12MAMMOG	R12MAMMOG:W12 Prev Mammogram	Categ
13	R13MAMMOG	R13MAMMOG:W13 Prev Mammogram	Categ
14	R14MAMMOG	R14MAMMOG:W14 Prev Mammogram	Categ
15	R15MAMMOG	R15MAMMOG:W15 Prev Mammogram	Categ
16	R16MAMMOG	R16MAMMOG:W16 Prev Mammogram	Categ
3	S3MAMMOG	S3MAMMOG:W3 Prev Mammogram	Categ
4	S4MAMMOG	S4MAMMOG:W4 Prev Mammogram	Categ
5	S5MAMMOG	S5MAMMOG:W5 Prev Mammogram	Categ
6	S6MAMMOG	S6MAMMOG:W6 Prev Mammogram	Categ
7	S7MAMMOG	S7MAMMOG:W7 Prev Mammogram	Categ
8	S8MAMMOG	S8MAMMOG:W8 Prev Mammogram	Categ
9	S9MAMMOG	S9MAMMOG:W9 Prev Mammogram	Categ
10	S10MAMMOG	S10MAMMOG:W10 Prev Mammogram	Categ
11	S11MAMMOG	S11MAMMOG:W11 Prev Mammogram	Categ
12	S12MAMMOG	S12MAMMOG:W12 Prev Mammogram	Categ
13	S13MAMMOG	S13MAMMOG:W13 Prev Mammogram	Categ
14	S14MAMMOG	S14MAMMOG:W14 Prev Mammogram	Categ
15	S15MAMMOG	S15MAMMOG:W15 Prev Mammogram	Categ
16	S16MAMMOG	S16MAMMOG:W16 Prev Mammogram	Categ
3	R3PAPSM	R3PAPSM:W3 Prev Pap Smear	Categ
4	R4PAPSM	R4PAPSM:W4 Prev Pap Smear	Categ
5	R5PAPSM	R5PAPSM:W5 Prev Pap Smear	Categ
6	R6PAPSM	R6PAPSM:W6 Prev Pap Smear	Categ
7	R7PAPSM	R7PAPSM:W7 Prev Pap Smear	Categ
8	R8PAPSM	R8PAPSM:W8 Prev Pap Smear	Categ
9	R9PAPSM	R9PAPSM:W9 Prev Pap Smear	Categ
10	R10PAPSM	R10PAPSM:W10 Prev Pap Smear	Categ
11	R11PAPSM	R11PAPSM:W11 Prev Pap Smear	Categ
12	R12PAPSM	R12PAPSM:W12 Prev Pap Smear	Categ
13	R13PAPSM	R13PAPSM:W13 Prev Pap Smear	Categ
14	R14PAPSM	R14PAPSM:W14 Prev Pap Smear	Categ
15	R15PAPSM	R15PAPSM:W15 Prev Pap Smear	Categ
16	R16PAPSM	R16PAPSM:W16 Prev Pap Smear	Categ
3	S3PAPSM	S3PAPSM:W3 Prev Pap Smear	Categ
4	S4PAPSM	S4PAPSM:W4 Prev Pap Smear	Categ
5	S5PAPSM	S5PAPSM:W5 Prev Pap Smear	Categ
6	S6PAPSM	S6PAPSM:W6 Prev Pap Smear	Categ
7	S7PAPSM	S7PAPSM:W7 Prev Pap Smear	Categ
8	S8PAPSM	S8PAPSM:W8 Prev Pap Smear	Categ
9	S9PAPSM	S9PAPSM:W9 Prev Pap Smear	Categ
10	S10PAPSM	S10PAPSM:W10 Prev Pap Smear	Categ
11	S11PAPSM	S11PAPSM:W11 Prev Pap Smear	Categ
12	S12PAPSM	S12PAPSM:W12 Prev Pap Smear	Categ
13	S13PAPSM	S13PAPSM:W13 Prev Pap Smear	Categ
14	S14PAPSM	S14PAPSM:W14 Prev Pap Smear	Categ
15	S15PAPSM	S15PAPSM:W15 Prev Pap Smear	Categ
16	S16PAPSM	S16PAPSM:W16 Prev Pap Smear	Categ

3	R3PROST	R3PROST:W3 Prev Prostate	Categ
4	R4PROST	R4PROST:W4 Prev Prostate	Categ
5	R5PROST	R5PROST:W5 Prev Prostate	Categ
6	R6PROST	R6PROST:W6 Prev Prostate	Categ
7	R7PROST	R7PROST:W7 Prev Prostate	Categ
8	R8PROST	R8PROST:W8 Prev Prostate	Categ
9	R9PROST	R9PROST:W9 Prev Prostate	Categ
10	R10PROST	R10PROST:W10 Prev Prostate	Categ
11	R11PROST	R11PROST:W11 Prev Prostate	Categ
12	R12PROST	R12PROST:W12 Prev Prostate	Categ
13	R13PROST	R13PROST:W13 Prev Prostate	Categ
14	R14PROST	R14PROST:W14 Prev Prostate	Categ
15	R15PROST	R15PROST:W15 Prev Prostate	Categ

3	S3PROST	S3PROST:W3 Prev Prostate	Categ
4	S4PROST	S4PROST:W4 Prev Prostate	Categ
5	S5PROST	S5PROST:W5 Prev Prostate	Categ
6	S6PROST	S6PROST:W6 Prev Prostate	Categ
7	S7PROST	S7PROST:W7 Prev Prostate	Categ
8	S8PROST	S8PROST:W8 Prev Prostate	Categ
9	S9PROST	S9PROST:W9 Prev Prostate	Categ
10	S10PROST	S10PROST:W10 Prev Prostate	Categ
11	S11PROST	S11PROST:W11 Prev Prostate	Categ
12	S12PROST	S12PROST:W12 Prev Prostate	Categ
13	S13PROST	S13PROST:W13 Prev Prostate	Categ
14	S14PROST	S14PROST:W14 Prev Prostate	Categ
15	S15PROST	S15PROST:W15 Prev Prostate	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3CHOLST	17846	0.72	0.45	0.0	1.0
R4CHOLST	5078	0.75	0.43	0.0	1.0
R5CHOLST	19463	0.76	0.43	0.0	1.0
R6CHOLST	229	0.78	0.42	0.0	1.0
R7CHOLST	19845	0.82	0.38	0.0	1.0
R8CHOLST	207	0.79	0.41	0.0	1.0
R9CHOLST	16962	0.85	0.36	0.0	1.0
R10CHOLST	6430	0.76	0.43	0.0	1.0
R11CHOLST	20371	0.83	0.37	0.0	1.0
R12CHOLST	183	0.69	0.46	0.0	1.0
R13CHOLST	20728	0.80	0.40	0.0	1.0
R14CHOLST	215	0.76	0.43	0.0	1.0
R15CHOLST	15538	0.80	0.40	0.0	1.0
R16CHOLST	2602	0.75	0.43	0.0	1.0
S3CHOLST	11865	0.73	0.44	0.0	1.0
S4CHOLST	3497	0.75	0.43	0.0	1.0
S5CHOLST	12674	0.78	0.41	0.0	1.0
S6CHOLST	214	0.79	0.41	0.0	1.0
S7CHOLST	12864	0.84	0.37	0.0	1.0
S8CHOLST	198	0.81	0.39	0.0	1.0
S9CHOLST	10547	0.87	0.34	0.0	1.0
S10CHOLST	4097	0.77	0.42	0.0	1.0
S11CHOLST	12420	0.85	0.36	0.0	1.0
S12CHOLST	172	0.70	0.46	0.0	1.0
S13CHOLST	11704	0.82	0.39	0.0	1.0
S14CHOLST	197	0.76	0.43	0.0	1.0
S15CHOLST	8413	0.82	0.39	0.0	1.0
S16CHOLST	1151	0.75	0.43	0.0	1.0

R3FLUSHT	17958	0.49	0.50	0.0	1.0
R4FLUSHT	5090	0.53	0.50	0.0	1.0
R5FLUSHT	19547	0.61	0.49	0.0	1.0
R6FLUSHT	229	0.51	0.50	0.0	1.0
R7FLUSHT	20063	0.62	0.49	0.0	1.0
R8FLUSHT	210	0.50	0.50	0.0	1.0
R9FLUSHT	17178	0.65	0.48	0.0	1.0
R10FLUSHT	6447	0.47	0.50	0.0	1.0
R11FLUSHT	20502	0.65	0.48	0.0	1.0
R12FLUSHT	183	0.62	0.49	0.0	1.0
R13FLUSHT	20868	0.65	0.48	0.0	1.0
R14FLUSHT	214	0.54	0.50	0.0	1.0
R15FLUSHT	15683	0.68	0.46	0.0	1.0
R16FLUSHT	15740	0.71	0.46	0.0	1.0
S3FLUSHT	11905	0.48	0.50	0.0	1.0
S4FLUSHT	3503	0.53	0.50	0.0	1.0
S5FLUSHT	12720	0.61	0.49	0.0	1.0
S6FLUSHT	213	0.52	0.50	0.0	1.0
S7FLUSHT	12951	0.62	0.49	0.0	1.0
S8FLUSHT	201	0.49	0.50	0.0	1.0
S9FLUSHT	10632	0.64	0.48	0.0	1.0
S10FLUSHT	4105	0.48	0.50	0.0	1.0
S11FLUSHT	12464	0.64	0.48	0.0	1.0
S12FLUSHT	172	0.63	0.48	0.0	1.0
S13FLUSHT	11763	0.65	0.48	0.0	1.0
S14FLUSHT	196	0.54	0.50	0.0	1.0
S15FLUSHT	8459	0.69	0.46	0.0	1.0
S16FLUSHT	7820	0.72	0.45	0.0	1.0
R3BREAST	10464	0.58	0.49	0.0	1.0
R4BREAST	2834	0.63	0.48	0.0	1.0
R5BREAST	11419	0.60	0.49	0.0	1.0
R6BREAST	126	0.57	0.50	0.0	1.0
R7BREAST	11680	0.58	0.49	0.0	1.0
R8BREAST	110	0.60	0.49	0.0	1.0
R9BREAST	10124	0.56	0.50	0.0	1.0
R10BREAST	3525	0.61	0.49	0.0	1.0
S3BREAST	5946	0.62	0.49	0.0	1.0
S4BREAST	1755	0.64	0.48	0.0	1.0
S5BREAST	6350	0.64	0.48	0.0	1.0
S6BREAST	118	0.56	0.50	0.0	1.0
S7BREAST	6447	0.62	0.49	0.0	1.0
S8BREAST	107	0.60	0.49	0.0	1.0
S9BREAST	5302	0.60	0.49	0.0	1.0
S10BREAST	2045	0.60	0.49	0.0	1.0
R3MAMMOG	10475	0.65	0.48	0.0	1.0
R4MAMMOG	2835	0.77	0.42	0.0	1.0
R5MAMMOG	11419	0.72	0.45	0.0	1.0
R6MAMMOG	126	0.75	0.43	0.0	1.0
R7MAMMOG	11697	0.72	0.45	0.0	1.0
R8MAMMOG	110	0.74	0.44	0.0	1.0
R9MAMMOG	10116	0.71	0.45	0.0	1.0
R10MAMMOG	3524	0.74	0.44	0.0	1.0
R11MAMMOG	11945	0.67	0.47	0.0	1.0
R12MAMMOG	84	0.65	0.48	0.0	1.0

R13MAMMOG	12190	0.69	0.46	0.0	1.0
R14MAMMOG	108	0.69	0.46	0.0	1.0
R15MAMMOG	9300	0.67	0.47	0.0	1.0
R16MAMMOG	1559	0.73	0.44	0.0	1.0
S3MAMMOG	5950	0.71	0.45	0.0	1.0
S4MAMMOG	1754	0.79	0.41	0.0	1.0
S5MAMMOG	6353	0.78	0.42	0.0	1.0
S6MAMMOG	118	0.76	0.43	0.0	1.0
S7MAMMOG	6462	0.78	0.42	0.0	1.0
S8MAMMOG	107	0.73	0.45	0.0	1.0
S9MAMMOG	5314	0.78	0.41	0.0	1.0
S10MAMMOG	2044	0.75	0.43	0.0	1.0
S11MAMMOG	6217	0.72	0.45	0.0	1.0
S12MAMMOG	79	0.66	0.48	0.0	1.0
S13MAMMOG	5869	0.75	0.43	0.0	1.0
S14MAMMOG	98	0.68	0.47	0.0	1.0
S15MAMMOG	4229	0.73	0.44	0.0	1.0
S16MAMMOG	615	0.73	0.44	0.0	1.0
R3PAPSM	10449	0.59	0.49	0.0	1.0
R4PAPSM	2831	0.71	0.46	0.0	1.0
R5PAPSM	11406	0.61	0.49	0.0	1.0
R6PAPSM	124	0.73	0.45	0.0	1.0
R7PAPSM	11644	0.60	0.49	0.0	1.0
R8PAPSM	107	0.72	0.45	0.0	1.0
R9PAPSM	10080	0.51	0.50	0.0	1.0
R10PAPSM	3522	0.72	0.45	0.0	1.0
R11PAPSM	11927	0.47	0.50	0.0	1.0
R12PAPSM	84	0.62	0.49	0.0	1.0
R13PAPSM	12177	0.46	0.50	0.0	1.0
R14PAPSM	108	0.66	0.48	0.0	1.0
R15PAPSM	9272	0.38	0.48	0.0	1.0
R16PAPSM	1559	0.54	0.50	0.0	1.0
S3PAPSM	5937	0.66	0.47	0.0	1.0
S4PAPSM	1754	0.74	0.44	0.0	1.0
S5PAPSM	6349	0.69	0.46	0.0	1.0
S6PAPSM	116	0.72	0.45	0.0	1.0
S7PAPSM	6437	0.68	0.47	0.0	1.0
S8PAPSM	104	0.72	0.45	0.0	1.0
S9PAPSM	5285	0.59	0.49	0.0	1.0
S10PAPSM	2043	0.75	0.43	0.0	1.0
S11PAPSM	6208	0.54	0.50	0.0	1.0
S12PAPSM	79	0.61	0.49	0.0	1.0
S13PAPSM	5862	0.53	0.50	0.0	1.0
S14PAPSM	98	0.63	0.48	0.0	1.0
S15PAPSM	4218	0.44	0.50	0.0	1.0
S16PAPSM	615	0.58	0.49	0.0	1.0
R3PROST	7451	0.68	0.47	0.0	1.0
R4PROST	2249	0.70	0.46	0.0	1.0
R5PROST	8076	0.73	0.44	0.0	1.0
R6PROST	100	0.70	0.46	0.0	1.0
R7PROST	8273	0.73	0.45	0.0	1.0
R8PROST	103	0.68	0.47	0.0	1.0
R9PROST	6961	0.72	0.45	0.0	1.0
R10PROST	2878	0.59	0.49	0.0	1.0
R11PROST	8393	0.63	0.48	0.0	1.0

R12PROST	97	0.62	0.49	0.0	1.0
R13PROST	8521	0.62	0.49	0.0	1.0
R14PROST	106	0.58	0.50	0.0	1.0
R15PROST	6262	0.62	0.49	0.0	1.0
S3PROST	5942	0.69	0.46	0.0	1.0
S4PROST	1745	0.71	0.45	0.0	1.0
S5PROST	6343	0.75	0.43	0.0	1.0
S6PROST	93	0.71	0.46	0.0	1.0
S7PROST	6436	0.75	0.43	0.0	1.0
S8PROST	97	0.68	0.47	0.0	1.0
S9PROST	5287	0.74	0.44	0.0	1.0
S10PROST	2027	0.59	0.49	0.0	1.0
S11PROST	6143	0.66	0.47	0.0	1.0
S12PROST	91	0.65	0.48	0.0	1.0
S13PROST	5811	0.64	0.48	0.0	1.0
S14PROST	98	0.55	0.50	0.0	1.0
S15PROST	4157	0.64	0.48	0.0	1.0

Categorical Variable Codes

RwCHOLST: Prev Cholesterol

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				16291		17933		18256		15584
.D=DK/NA			141	15	114	3	283	6	253	20
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF			2		1		1		2	
0.No			5062	1246	4630	51	3545	43	2565	1542
1.Yes			12784	3832	14833	178	16300	164	14397	4888

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		18564		16931		13021
.D=DK/NA	179		182		177	25
.J=Web interview, missing					6	
.M=Oth missing	1		1			137
.R=RF	3		1		2	2
0.No	3401	56	4043	51	3124	654
1.Yes	16970	127	16685	164	12414	1948

SwCHOLST: Prev Cholesterol

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				10474		11424		11531		9406
.D=DK/NA			49	9	55	1	108	6	98	10
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF			1		1				1	
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			3227	880	2794	45	2090	38	1416	957
1.Yes			8638	2617	9880	169	10774	160	9131	3140

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		10840		9161		6614
.D=DK/NA	62		74		59	8
.J=Web interview, missing					4	
.M=Oth missing	1					65
.R=RF	1		1		1	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	1892	52	2120	48	1544	289
1.Yes	10528	120	9584	149	6869	862

RwFLUSHT: Prev Flu Shot

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				16291		17933		18256		15584
.D=DK/NA			28	3	31	3	63	3	37	3
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF			3				3		2	
0.No			9230	2371	7623	113	7684	106	6028	3399
1.Yes			8728	2719	11924	116	12379	104	11150	3048

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		18564		16931		2
.D=DK/NA	48		41	1	35	39
.J=Web interview, missing					3	4
.M=Oth missing	1		1			
.R=RF	3		2		2	2
0.No	7235	70	7397	98	4955	4610
1.Yes	13267	113	13471	116	10728	11130

SwFLUSHT: Prev Flu Shot

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				10474		11424		11531		9406
.D=DK/NA			9	3	10	2	19	3	13	2
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF			1				2		1	
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			6218	1655	5019	103	4983	103	3810	2152
1.Yes			5687	1848	7701	110	7968	98	6822	1953

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		10840		9161		2
.D=DK/NA	18		16	1	15	13
.J=Web interview, missing					2	3
.M=Oth missing	1					
.R=RF	1				1	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	4427	63	4147	90	2601	2190
1.Yes	8037	109	7616	106	5858	5630

RwBREAST: Prev Breast Check

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				9583		10579		10773		9268
.D=DK/NA			38	4	43	2	94		69	7
.M=Oth missing			4	8	8		9	1	4	21
.R=RF					1	2	4		2	4
.S=Skip			7478	8955	8107	7456	8342	7585	7018	9209
.X=Missing organ			7							
0.No			4360	1042	4560	54	4945	44	4447	1381
1.Yes			6104	1792	6859	72	6735	66	5677	2144

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave						
.D=DK/NA						
.M=Oth missing						
.R=RF						
.S=Skip						
.X=Missing organ						
0.No						
1.Yes						

SwBREAST: Prev Breast Check

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				5230		5698		5761		4703
.D=DK/NA			6	2	12		38		26	7
.M=Oth missing			2	3	3		5	1	2	16
.R=RF					1	2	3		1	3
.S=Skip			5958	6990	6364	5821	6479	5866	5315	6739
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
.X=Missing organ			5							
0.No			2274	624	2269	52	2480	43	2115	815
1.Yes			3672	1131	4081	66	3967	64	3187	1230

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave						
.D=DK/NA						
.M=Oth missing						
.R=RF						
.S=Skip						
.U=Unmarried						
.V=Spouse NR						
.X=Missing organ						
0.No						
1.Yes						

RwMAMMOG: Prev Mammogram

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				9583		10579		10773		9268
.D=DK/NA			37	3	43	2	76		77	9
.J=Web interview, missing										
.M=Oth missing			3	8	8		9	1	4	21
.R=RF					1	2	5		2	3
.S=Skip			7476	8955	8107	7456	8342	7585	7018	9209
0.No			3684	664	3235	31	3284	29	2935	911
1.Yes			6791	2171	8184	95	8413	81	7181	2613

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		10964		10007		7799
.D=DK/NA	51		48		28	2
.J=Web interview, missing					2	
.M=Oth missing	23		10		6	
.R=RF	7		3		1	1
.S=Skip	8528	7699	8661	7031	6386	6426
0.No	3942	29	3828	33	3045	418
1.Yes	8003	55	8362	75	6255	1141

SwMAMMOG: Prev Mammogram

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				5230		5698		5761		4703
.D=DK/NA			10	3	9		24		14	8
.J=Web interview, missing										
.M=Oth missing			1	3	3		5	1	2	16
.R=RF					1	2	2		1	3
.S=Skip			5956	6990	6364	5821	6479	5866	5315	6739
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			1703	377	1419	28	1431	29	1151	504
1.Yes			4247	1377	4934	90	5031	78	4163	1540

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		5427		4583		3303
.D=DK/NA	18		12		12	1
.J=Web interview, missing					1	
.M=Oth missing	16		9		4	
.R=RF	3		2		1	1
.S=Skip	6230	5506	5887	4677	4230	3920
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	1711	27	1468	31	1130	164
1.Yes	4506	52	4401	67	3099	451

RwPAPSM: Prev Pap Smear

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				9583		10579		10773		9268
.D=DK/NA			56	7	56	4	130	3	113	11
.J=Web interview, missing										
.M=Oth missing			3	8	8		9	1	4	21
.R=RF					1	2	4		2	3
.S=Skip			7476	8955	8107	7456	8342	7585	7018	9209
.X=Missing organ			7							
0.No			4282	834	4393	34	4684	30	4949	995
1.Yes			6167	1997	7013	90	6960	77	5131	2527

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		10964		10007		7799
.D=DK/NA	69		61		55	2
.J=Web interview, missing					2	
.M=Oth missing	23		10		6	
.R=RF	7		3		2	1
.S=Skip	8528	7699	8661	7031	6386	6426
.X=Missing organ						
0.No	6271	32	6523	37	5769	716
1.Yes	5656	52	5654	71	3503	843

SwPAPSM: Prev Pap Smear

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				5230		5698		5761		4703
.D=DK/NA			19	3	13	2	49	3	43	9
.M=Oth missing			1	3	3		5	1	2	16
.R=RF					1	2	2		1	3
.S=Skip			5956	6990	6364	5821	6479	5866	5315	6739
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
.X=Missing organ			4							
0.No			2003	450	1942	32	2070	29	2150	505
1.Yes			3934	1304	4407	84	4367	75	3135	1538

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		5427		4583		3303
.D=DK/NA	26		19		23	1
.M=Oth missing	16		9		4	
.R=RF	4		2		2	1
.S=Skip	6230	5506	5887	4677	4230	3920
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.X=Missing organ						
0.No	2868	31	2778	36	2382	260
1.Yes	3340	48	3084	62	1836	355

RwPROST: Prev Prostate

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				6708		7354		7483		6316
.D=DK/NA			25	6	38	1	76		59	34
.J=Web interview, missing										
.M=Oth missing			3	4	4		10	1	6	10
.R=RF			2		1	1	2		2	2
.S=Skip			10505	12417	11459	10709	11768	10882	10189	12794
.X=Missing organ			5							
0.No			2401	682	2161	30	2270	33	1918	1194
1.Yes			5050	1567	5915	70	6003	70	5043	1684

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		7600		6924		
.D=DK/NA	154	2	146	1	125	
.J=Web interview, missing					4	
.M=Oth missing	12		4		3	
.R=RF	3		3		1	
.S=Skip	11992	11048	12238	10115	9328	
.X=Missing organ						
0.No	3090	37	3233	44	2402	
1.Yes	5303	60	5288	62	3860	

SwPROST: Prev Prostate

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				5244		5726		5770		4703
.D=DK/NA			14	4	24	1	46		29	24
.J=Web interview, missing										
.M=Oth missing			2	3	4		10	1	5	10
.R=RF			1			1	2		1	1
.S=Skip			5953	6984	6359	5818	6478	5867	5324	6748
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
.X=Missing organ			5							
0.No			1822	509	1583	27	1613	31	1371	826
1.Yes			4120	1236	4760	66	4823	66	3916	1201

Value	w11	w12	w13	w14	w15	w16
.A=Asked prv wave		5413		4578		
.D=DK/NA	100	2	82	1	73	
.J=Web interview, missing					4	
.M=Oth missing	10		3		1	
.R=RF	2		3			
.S=Skip	6229	5506	5880	4681	4242	
.U=Unmarried	7473	7125	8024	6678	6193	
.V=Spouse NR	597	610	1109	1110	1053	
.X=Missing organ						
0.No	2108	32	2076	44	1508	
1.Yes	4035	59	3735	54	2649	

How Constructed

RwCHOLST, RwFLUSHT, RwBREAST, RwMAMMOG, RwPAPSM, and RwPROST indicate whether the Respondent reports preventative health tests and procedures. The tests and procedures are a blood test for cholesterol, a flu shot, monthly self-checks for breast lumps, a mammogram, a pap smear, and a check for prostate cancer, respectively. They are asked from Wave 3 forward.

SwCHOLST, SwFLUSHT, SwBREAST, SwMAMMOG, SwPAPSM, and SwPROST are these measures for the Respondent's spouse or partner.

Every other wave beginning in Waves 4 and 6, these questions are skipped for individuals who responded to a previous wave. The analyst may want to carry prior wave values forward, e.g., Wave 3 values forward to Wave 4; this file does not do this. For re-interviewees who skipped this question in alternate waves, these variables are set to .A, asked in previous wave. In the odd waves, beginning with Wave 5, all individuals are asked these questions.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3BREAST is taken from the Wave 3 spouse's R3BREAST.

Cross Wave Differences in Original HRS Data

The preventative behavior questions are asked from Wave 3 forward. They are not asked in Waves 1 and 2.

Every other wave, beginning with Wave 4, these questions are asked only of new Respondents. For re-interviewees, they are skipped. In the odd waves, beginning with Wave 5, all individuals are asked these questions.

From Wave 7 forward, the interviewer has an additional prompt for the Respondent when asking about flu shots: A FLU SHOT

MAY NOW BE GIVEN BY A MIST IN THE NOSE. And the interviewer has additional instructions for coding answers about breast exams: CODE 'YES' IF RESPONDENT DOES A BREAST CHECK MORE THAN ONCE A MONTH.

The question about monthly breast checks is dropped in Wave 11 so RwBREAST is not available beyond Wave 10. The question about prostate cancer screening is dropped in Wave 16 so RwPROST is not available beyond Wave 15.

Only male Respondents are asked the question about checking for prostate cancer. Only female Respondents are asked the questions about breast exams, mammograms, and pap smears.

HRS Variables Used

```
AHEAD 1995:
    D919            B19B. PREVENTATIVE BEHAV FLU SHOT
    D920            B19C.  PREVENTATIVE BEHAV CHOLESTEROL
    D925            B19F.  PREVENTATIVE BEHAV BREAST LUMP
    D926            B19G.PREVANTIVE MAMMOGRAM
    D927            B19H.PREVANTATIVE PAP SMEAR
    D929            B19K.PREVENTATIVE BEHAV PROSTATE
HRS 1996:
    E924            B19B. PREVENTATIVE BEHAV FLU SHOT
    E925            B19C.  PREVENTATIVE BEHAV CHOLESTEROL
    E926            B19F.PREVENTATIVE BEHAV BREAST LUMP
    E927            B19G.PREVENTIVE MAMMOGRAM
    E928            B19H.PREVENTATIVE PAP SMEAR
    E929            B19K.PREVENTATIVE BEHAV PROSTATE
HRS 1998:
    F1252           B19B. PREVENTATIVE BEHAV FLU SHOT
    F1253           B19C.  PREVENTATIVE BEHAV CHOLESTEROL
    F1254           B19F.PREVENTATIVE BEHAV BREAST LUMP
    F1255           B19G.PREVENTATIVE MAMMOGRAM
    F1256           B19H.PREVENTATIVE PAP SMEAR
    F1257           B19K.PREVENTATIVE BEHAV PROSTATE
    F682            PREVIOUS WAVE INTERV
HRS 2000:
    G1385           B19B. PREVENTATIVE BEHAV FLU SHOT
    G1386           B19C.PREVENTATIVE BEHAV CHOLESTEROL
    G1387           B19F.PREVENTATIVE BEHAV BREAST LUMP
    G1388           B19G.PREVENTATIVE MAMMOGRAM
    G1389           B19H.PREVENTATIVE PAP SMEAR
    G1390           B19K.PREVENTATIVE BEHAV PROSTATE
    G753            CS22Y30.PREVIOUS WAVE INTERV
HRS 2002-2010:
    xC111           CHECK FOR BREAST LUMPS SINCE PREV WAVE
HRS 2002-2020:
    xC114           PROSTATE EXAM SINCE PREV WAVE
HRS 2002-2022:
    xC109           PREVENTATIVE FLU SHOT SINCE PREV WAVE
    xC110           CHOLESTEROL TEST SINCE PREV WAVE
    xC112           MAMMOGRAM/XRAY OF BREAST SINCE PREV WAVE
    xC113           PAP SMEAR SINCE PREV WAVE
    xZ076           R EVER INTERVIEWED
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Health behaviors: Drinking

Wave	Variable	Label	Type
1	R1DRINK	R1DRINK:W1 R ever drinks any alcohol	Categ
2	R2DRINK	R2DRINK:W2 R ever drinks any alcohol	Categ
3	R3DRINK	R3DRINK:W3 R ever drinks any alcohol	Categ
4	R4DRINK	R4DRINK:W4 R ever drinks any alcohol	Categ
5	R5DRINK	R5DRINK:W5 R ever drinks any alcohol	Categ
6	R6DRINK	R6DRINK:W6 R ever drinks any alcohol	Categ
7	R7DRINK	R7DRINK:W7 R ever drinks any alcohol	Categ
8	R8DRINK	R8DRINK:W8 R ever drinks any alcohol	Categ
9	R9DRINK	R9DRINK:W9 R ever drinks any alcohol	Categ
10	R10DRINK	R10DRINK:W10 R ever drinks any alcohol	Categ
11	R11DRINK	R11DRINK:W11 R ever drinks any alcohol	Categ
12	R12DRINK	R12DRINK:W12 R ever drinks any alcohol	Categ
13	R13DRINK	R13DRINK:W13 R ever drinks any alcohol	Categ
14	R14DRINK	R14DRINK:W14 R ever drinks any alcohol	Categ
15	R15DRINK	R15DRINK:W15 R ever drinks any alcohol	Categ
16	R16DRINK	R16DRINK:W16 R ever drinks any alcohol	Categ
1	S1DRINK	S1DRINK:W1 S ever drinks any alcohol	Categ
2	S2DRINK	S2DRINK:W2 S ever drinks any alcohol	Categ
3	S3DRINK	S3DRINK:W3 S ever drinks any alcohol	Categ
4	S4DRINK	S4DRINK:W4 S ever drinks any alcohol	Categ
5	S5DRINK	S5DRINK:W5 S ever drinks any alcohol	Categ
6	S6DRINK	S6DRINK:W6 S ever drinks any alcohol	Categ
7	S7DRINK	S7DRINK:W7 S ever drinks any alcohol	Categ
8	S8DRINK	S8DRINK:W8 S ever drinks any alcohol	Categ
9	S9DRINK	S9DRINK:W9 S ever drinks any alcohol	Categ
10	S10DRINK	S10DRINK:W10 S ever drinks any alcohol	Categ
11	S11DRINK	S11DRINK:W11 S ever drinks any alcohol	Categ
12	S12DRINK	S12DRINK:W12 S ever drinks any alcohol	Categ
13	S13DRINK	S13DRINK:W13 S ever drinks any alcohol	Categ
14	S14DRINK	S14DRINK:W14 S ever drinks any alcohol	Categ
15	S15DRINK	S15DRINK:W15 S ever drinks any alcohol	Categ
16	S16DRINK	S16DRINK:W16 S ever drinks any alcohol	Categ
1	R1DRINKR	R1DRINKR:W1 R range of # drinks/day	Categ
2	R2DRINKR	R2DRINKR:W2 R range of # drinks/day	Categ
1	S1DRINKR	S1DRINKR:W1 S range of # drinks/day	Categ
2	S2DRINKR	S2DRINKR:W2 S range of # drinks/day	Categ
3	R3DRINKD	R3DRINKD:W3 R # days/week drinks	Categ
4	R4DRINKD	R4DRINKD:W4 R # days/week drinks	Categ
5	R5DRINKD	R5DRINKD:W5 R # days/week drinks	Categ
6	R6DRINKD	R6DRINKD:W6 R # days/week drinks	Categ
7	R7DRINKD	R7DRINKD:W7 R # days/week drinks	Categ
8	R8DRINKD	R8DRINKD:W8 R # days/week drinks	Categ
9	R9DRINKD	R9DRINKD:W9 R # days/week drinks	Categ
10	R10DRINKD	R10DRINKD:W10 R # days/week drinks	Categ
11	R11DRINKD	R11DRINKD:W11 R # days/week drinks	Categ
12	R12DRINKD	R12DRINKD:W12 R # days/week drinks	Categ
13	R13DRINKD	R13DRINKD:W13 R # days/week drinks	Categ
14	R14DRINKD	R14DRINKD:W14 R # days/week drinks	Categ
15	R15DRINKD	R15DRINKD:W15 R # days/week drinks	Categ
16	R16DRINKD	R16DRINKD:W16 R # days/week drinks	Categ
3	S3DRINKD	S3DRINKD:W3 S # days/week drinks	Categ
4	S4DRINKD	S4DRINKD:W4 S # days/week drinks	Categ
5	S5DRINKD	S5DRINKD:W5 S # days/week drinks	Categ
6	S6DRINKD	S6DRINKD:W6 S # days/week drinks	Categ
7	S7DRINKD	S7DRINKD:W7 S # days/week drinks	Categ
8	S8DRINKD	S8DRINKD:W8 S # days/week drinks	Categ
9	S9DRINKD	S9DRINKD:W9 S # days/week drinks	Categ
10	S10DRINKD	S10DRINKD:W10 S # days/week drinks	Categ
11	S11DRINKD	S11DRINKD:W11 S # days/week drinks	Categ
12	S12DRINKD	S12DRINKD:W12 S # days/week drinks	Categ
13	S13DRINKD	S13DRINKD:W13 S # days/week drinks	Categ

14	S14DRINKD	S14DRINKD:W14 S # days/week drinks	Categ
15	S15DRINKD	S15DRINKD:W15 S # days/week drinks	Categ
16	S16DRINKD	S16DRINKD:W16 S # days/week drinks	Categ
3	R3DRINKN	R3DRINKN:W3 R # drinks/day when drinks	Categ
4	R4DRINKN	R4DRINKN:W4 R # drinks/day when drinks	Categ
5	R5DRINKN	R5DRINKN:W5 R # drinks/day when drinks	Categ
6	R6DRINKN	R6DRINKN:W6 R # drinks/day when drinks	Categ
7	R7DRINKN	R7DRINKN:W7 R # drinks/day when drinks	Categ
8	R8DRINKN	R8DRINKN:W8 R # drinks/day when drinks	Categ
9	R9DRINKN	R9DRINKN:W9 R # drinks/day when drinks	Categ
10	R10DRINKN	R10DRINKN:W10 R # drinks/day when drinks	Categ
11	R11DRINKN	R11DRINKN:W11 R # drinks/day when drinks	Categ
12	R12DRINKN	R12DRINKN:W12 R # drinks/day when drinks	Categ
13	R13DRINKN	R13DRINKN:W13 R # drinks/day when drinks	Categ
14	R14DRINKN	R14DRINKN:W14 R # drinks/day when drinks	Categ
15	R15DRINKN	R15DRINKN:W15 R # drinks/day when drinks	Categ
16	R16DRINKN	R16DRINKN:W16 R # drinks/day when drinks	Categ
3	S3DRINKN	S3DRINKN:W3 S # drinks/day when drinks	Categ
4	S4DRINKN	S4DRINKN:W4 S # drinks/day when drinks	Categ
5	S5DRINKN	S5DRINKN:W5 S # drinks/day when drinks	Categ
6	S6DRINKN	S6DRINKN:W6 S # drinks/day when drinks	Categ
7	S7DRINKN	S7DRINKN:W7 S # drinks/day when drinks	Categ
8	S8DRINKN	S8DRINKN:W8 S # drinks/day when drinks	Categ
9	S9DRINKN	S9DRINKN:W9 S # drinks/day when drinks	Categ
10	S10DRINKN	S10DRINKN:W10 S # drinks/day when drinks	Categ
11	S11DRINKN	S11DRINKN:W11 S # drinks/day when drinks	Categ
12	S12DRINKN	S12DRINKN:W12 S # drinks/day when drinks	Categ
13	S13DRINKN	S13DRINKN:W13 S # drinks/day when drinks	Categ
14	S14DRINKN	S14DRINKN:W14 S # drinks/day when drinks	Categ
15	S15DRINKN	S15DRINKN:W15 S # drinks/day when drinks	Categ
16	S16DRINKN	S16DRINKN:W16 S # drinks/day when drinks	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DRINK	12652	0.61	0.49	0.0	1.0
R2DRINK	19637	0.50	0.50	0.0	1.0
R3DRINK	17986	0.46	0.50	0.0	1.0
R4DRINK	21379	0.47	0.50	0.0	1.0
R5DRINK	19574	0.45	0.50	0.0	1.0
R6DRINK	18161	0.45	0.50	0.0	1.0
R7DRINK	20125	0.49	0.50	0.0	1.0
R8DRINK	18462	0.50	0.50	0.0	1.0
R9DRINK	17215	0.49	0.50	0.0	1.0
R10DRINK	22031	0.56	0.50	0.0	1.0
R11DRINK	20549	0.54	0.50	0.0	1.0
R12DRINK	18743	0.54	0.50	0.0	1.0
R13DRINK	20897	0.58	0.49	0.0	1.0
R14DRINK	17131	0.56	0.50	0.0	1.0
R15DRINK	15710	0.58	0.49	0.0	1.0
R16DRINK	15773	0.60	0.49	0.0	1.0
S1DRINK	9900	0.61	0.49	0.0	1.0
S2DRINK	13087	0.54	0.50	0.0	1.0
S3DRINK	11914	0.51	0.50	0.0	1.0
S4DRINK	13979	0.51	0.50	0.0	1.0
S5DRINK	12728	0.49	0.50	0.0	1.0
S6DRINK	11636	0.49	0.50	0.0	1.0
S7DRINK	12969	0.53	0.50	0.0	1.0

S8DRINK	11731	0.54	0.50	0.0	1.0
S9DRINK	10645	0.54	0.50	0.0	1.0
S10DRINK	13511	0.60	0.49	0.0	1.0
S11DRINK	12481	0.58	0.49	0.0	1.0
S12DRINK	11010	0.58	0.49	0.0	1.0
S13DRINK	11771	0.62	0.49	0.0	1.0
S14DRINK	9350	0.60	0.49	0.0	1.0
S15DRINK	8469	0.62	0.48	0.0	1.0
S16DRINK	7832	0.64	0.48	0.0	1.0
R1DRINKR	12652	0.83	0.88	0.0	4.0
R2DRINKR	19623	0.67	0.81	0.0	4.0
S1DRINKR	9900	0.84	0.87	0.0	4.0
S2DRINKR	13080	0.73	0.83	0.0	4.0
R3DRINKD	17925	1.02	2.00	0.0	7.0
R4DRINKD	21379	1.01	2.03	0.0	7.0
R5DRINKD	19560	0.94	1.98	0.0	7.0
R6DRINKD	18129	1.00	2.00	0.0	7.0
R7DRINKD	20090	1.08	2.04	0.0	7.0
R8DRINKD	18438	1.09	2.06	0.0	7.0
R9DRINKD	17198	1.09	2.06	0.0	7.0
R10DRINKD	21986	1.11	1.97	0.0	7.0
R11DRINKD	20496	1.09	1.94	0.0	7.0
R12DRINKD	18657	1.10	1.95	0.0	7.0
R13DRINKD	20835	1.14	1.93	0.0	7.0
R14DRINKD	17097	1.12	1.91	0.0	7.0
R15DRINKD	15643	1.18	1.99	0.0	7.0
R16DRINKD	15693	1.13	1.90	0.0	7.0
S3DRINKD	11874	1.14	2.08	0.0	7.0
S4DRINKD	13979	1.14	2.12	0.0	7.0
S5DRINKD	12719	1.07	2.08	0.0	7.0
S6DRINKD	11615	1.14	2.09	0.0	7.0
S7DRINKD	12948	1.23	2.15	0.0	7.0
S8DRINKD	11721	1.26	2.19	0.0	7.0
S9DRINKD	10636	1.28	2.18	0.0	7.0
S10DRINKD	13492	1.26	2.06	0.0	7.0
S11DRINKD	12457	1.24	2.05	0.0	7.0
S12DRINKD	10969	1.26	2.04	0.0	7.0
S13DRINKD	11737	1.28	2.02	0.0	7.0
S14DRINKD	9332	1.27	2.01	0.0	7.0
S15DRINKD	8436	1.34	2.09	0.0	7.0
S16DRINKD	7793	1.28	2.00	0.0	7.0
R3DRINKN	17899	0.64	1.69	0.0	99.0
R4DRINKN	21317	0.61	1.36	0.0	38.0
R5DRINKN	19528	0.54	1.25	0.0	32.0
R6DRINKN	18128	0.59	1.23	0.0	23.0
R7DRINKN	20078	0.69	1.48	0.0	50.0
R8DRINKN	18424	0.65	1.34	0.0	45.0
R9DRINKN	17194	0.66	1.32	0.0	17.0
R10DRINKN	21984	0.83	1.61	0.0	40.0
R11DRINKN	20491	0.79	1.49	0.0	30.0
R12DRINKN	18648	0.78	1.41	0.0	18.0
R13DRINKN	20828	0.91	1.64	0.0	25.0
R14DRINKN	17087	0.86	1.53	0.0	25.0
R15DRINKN	15647	0.87	1.66	0.0	40.0

R16DRINKN	15707	0.92	1.75	0.0	48.0
S3DRINKN	11858	0.70	1.34	0.0	30.0
S4DRINKN	13944	0.67	1.35	0.0	38.0
S5DRINKN	12699	0.61	1.28	0.0	32.0
S6DRINKN	11612	0.66	1.25	0.0	23.0
S7DRINKN	12946	0.76	1.49	0.0	50.0
S8DRINKN	11711	0.73	1.32	0.0	24.0
S9DRINKN	10631	0.75	1.36	0.0	15.0
S10DRINKN	13493	0.91	1.64	0.0	40.0
S11DRINKN	12451	0.86	1.50	0.0	30.0
S12DRINKN	10958	0.87	1.46	0.0	15.0
S13DRINKN	11739	1.00	1.68	0.0	25.0
S14DRINKN	9324	0.93	1.55	0.0	24.0
S15DRINKN	8440	0.96	1.65	0.0	24.0
S16DRINKN	7804	0.98	1.66	0.0	30.0

Categorical Variable Codes

RwDRINK: R ever drinks any alcohol

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		4	1	4	2	1	1		1	2
.J=Web interview, missing										
.M=Oth missing			2					2		
.R=RF		1	2	1	2	3	3	5	1	1
0.No	4996	9734	9685	11306	10767	10058	10354	9294	8810	9735
1.Yes	7656	9903	8301	10073	8807	8103	9771	9168	8405	12296

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	1	4	8	1	4	3
.J=Web interview, missing				7	6	7
.M=Oth missing	1		2			
.R=RF	3		5	7	3	4
0.No	9534	8707	8762	7503	6582	6359
1.Yes	11015	10036	12135	9628	9128	9414

SwDRINK: S ever drinks any alcohol

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		2		1						1
.J=Web interview, missing										
.M=Oth missing			2					1		
.R=RF		1	1		2	3	3	3	1	1
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	3826	6037	5896	6835	6439	5893	6103	5395	4915	5428
1.Yes	6074	7050	6018	7144	6289	5743	6866	6336	5730	8083

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	1	2	5	1	1	2
.J=Web interview, missing				5	5	4
.M=Oth missing	1					
.R=RF	1		3	2	2	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	5251	4591	4469	3716	3186	2849
1.Yes	7230	6419	7302	5634	5283	4983

RwDRINKR: R range of # drinks/day

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		15								
.R=RF		4								
0.Doesn't drink	4996	9734								
1.Lt 1/day	5676	7425								
2.1-2/day	1285	1793								
3.3-4/day	483	496								
4.5+/day	212	175								

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA						
.R=RF						
0.Doesn't drink						
1.Lt 1/day						
2.1-2/day						
3.3-4/day						
4.5+/day						

SwDRINKR: S range of # drinks/day

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		8								
.R=RF		2								
.U=Unmarried	2373	5968								
.V=Spouse NR	379	584								
0.Doesn't drink	3826	6037								
1.Lt 1/day	4525	5220								
2.1-2/day	1005	1322								
3.3-4/day	393	376								
4.5+/day	151	125								

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA						
.R=RF						
.U=Unmarried						
.V=Spouse NR						
0.Doesn't drink						
1.Lt 1/day						
2.1-2/day						
3.3-4/day						
4.5+/day						

RwDRINKD: R # days/week drinks

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			59	4	12	28	33	21	11	39
.J=Web interview, missing										
.M=Oth missing			3					2		
.R=RF			4	1	6	8	6	8	8	9
0.0 or doesnt drink			12368	15113	14322	12797	13549	12491	11588	13830
1			1805	1859	1452	1610	2115	1844	1760	2936
2			1008	1157	968	956	1130	1043	1022	1565
3			761	795	727	749	878	783	707	1110
4			305	398	332	315	413	399	368	494
5			329	363	310	347	407	394	354	497
6			122	154	142	154	186	164	180	230
7			1227	1540	1307	1201	1412	1320	1219	1324

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	47	87	61	22	61	69
.J=Web interview, missing				12	12	13
.M=Oth missing	1		2			
.R=RF	10	3	14	15	7	12
0.0 or doesnt drink	12987	11754	12545	10427	9539	9401
1	2709	2470	3143	2423	2134	2426
2	1458	1324	1627	1357	1166	1202
3	1033	958	1166	919	849	879
4	480	453	501	454	383	396
5	458	443	485	444	461	424
6	217	212	239	224	229	210
7	1154	1043	1129	849	882	755

SwDRINKD: S # days/week drinks

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			39	1	6	16	19	8	5	15
.J=Web interview, missing										
.M=Oth missing			2					1		
.R=RF			2		5	8	5	5	5	6
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.0 or doesnt drink			7789	9399	8845	7716	8215	7461	6663	7963
1			1306	1372	1083	1174	1492	1271	1205	1933
2			730	810	694	676	810	719	725	1028
3			571	573	541	547	604	538	474	758
4			232	295	240	251	314	296	271	350
5			260	288	246	267	318	312	267	381
6			98	124	115	128	149	133	147	177
7			888	1118	955	856	1046	991	884	902

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	24	41	33	15	29	35
.J=Web interview, missing				7	8	8
.M=Oth missing	1					
.R=RF	2	2	9	4	4	4
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.0 or doesnt drink	7419	6399	6598	5338	4775	4351
1	1775	1619	1892	1383	1224	1279
2	938	838	997	794	696	655
3	675	629	709	563	510	479
4	325	318	322	296	243	223
5	349	319	326	275	296	241
6	163	153	165	159	141	134
7	813	694	728	524	551	431

RwDRINKN: R # drinks/day when drinks

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			78	27	40	29	33	29	13	41
.J=Web interview, missing										
.M=Oth missing			7	35	3		9	6		1
.R=RF			7	5	7	8	9	10	10	8
0.0 or doesnt drink			12387	15143	14361	12818	13552	12517	11598	13832
1			2469	2757	2336	2479	2891	2716	2618	3412
2			1826	2006	1724	1680	2057	1911	1757	2574
3			640	737	593	645	848	692	653	1058
4			244	286	227	214	316	252	243	423
5			101	107	81	84	98	94	93	175
6			140	160	115	121	189	153	127	290
7			13	24	18	20	12	15	18	30
8			22	34	24	23	34	19	29	62
9			4	2	1	2	6	2	2	7
10			15	20	19	17	24	19	16	40
11			1			1	2	2	1	2
12			23	24	17	18	31	23	30	51
13			1	1	2	1	1			1
14					1		1		1	3
15			5	2	2	3	6	4	6	14
16			1	6	2		1		1	2
17									1	
18			1	1	1	1		2		2
20			1	1			3			2
21							1			

22				1								
23						1						
24			2	3			1	1		2		
25												
26					3		2					
27								1				
28												
30			1									
32				1	1							
36										1		
38				1								
40										1		
45							1	1				
48												
50							1					
99.All day			2									

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	47	89	62	15	52	53
.J=Web interview, missing				14	12	11
.M=Oth missing	3		7	17		5
.R=RF	13	10	15	13	12	11
0.0 or doesnt drink	12941	11775	12548	10434	9556	9407
1	3260	2983	3291	2712	2498	2494
2	2456	2219	2696	2168	1926	2042
3	943	887	1126	913	883	903
4	391	351	508	373	350	392
5	141	122	159	147	119	134
6	201	167	271	199	160	167
7	15	26	42	23	18	27
8	49	48	58	39	44	44
9	6	3	5	7	7	7
10	29	26	38	24	30	28
11	2	1	2	1	2	1
12	39	31	53	31	29	33
13	1	1	4	2	1	
14	4		2			1
15	6	6	16	6	9	13
16			1	1	1	1
17				1	1	
18	1	2	1	1	1	1
20	2		2	3	4	4
21						
22						
23						
24	1		3	1	4	3
25			2	1	1	
26	1				1	
27						
28					1	
30	2					3
32						
36						
38						
40					1	
45						
48						2
50						
99.All day						

SwDRINKN: S # drinks/day when drinks

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			51	15	24	19	14	14	8	12
.J=Web interview, missing										
.M=Oth missing			3	18	2		5	4		1
.R=RF			5	3	5	8	7	6	7	7
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.0 or doesnt drink			7801	9416	8871	7731	8219	7474	6668	7963
1			1774	2011	1701	1827	2073	1917	1847	2337
2			1391	1493	1316	1242	1547	1405	1259	1771
3			469	537	453	473	604	508	459	691
4			187	214	157	146	222	174	166	285
5			71	76	60	57	66	65	70	111
6			105	120	80	83	132	107	89	198
7			8	16	14	12	8	11	14	19
8			14	24	16	16	24	14	24	36
9			2	2			2	1	2	4
10			11	11	10	8	17	17	8	26
11			1			1		2		1
12			20	16	13	14	23	13	22	35
13			1	1	2		1			1
14					1				1	3
15			2	2	1	1	2	2	2	8
16				3	2		1			2
17										
18										
20							1			
21							1			
23						1				
24				1			1	1		
25										
26					1		1			
30			1							
32					1					
36										1
38				1						
40										1
50							1			

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	25	48	29	10	21	20
.J=Web interview, missing				8	9	7
.M=Oth missing	1		4	11		5
.R=RF	7	6	7	5	7	4
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.0 or doesnt drink	7391	6413	6596	5339	4785	4357
1	2173	1991	2030	1605	1519	1386
2	1668	1456	1708	1319	1162	1135
3	637	591	680	565	526	491
4	265	226	319	215	202	196
5	89	80	87	83	66	65
6	133	102	172	115	89	91
7	11	19	28	14	8	11
8	32	33	35	26	27	23
9	3	2	4	6	5	3
10	18	17	24	15	17	13
11	2		1		2	
12	22	22	37	16	19	21
13		1	1			
14	2		2			
15	1	5	11	2	6	8
16			1			
17					1	

```
18     |                      1       1       1       1
20     |       2              1       2       2       1
21     |
23     |
24     |                              1       3       1
25     |                      1
26     |
30     |       2                                      1
32     |
36     |
38     |
40     |
50     |
```

How Constructed

The RwDRINK variables indicate whether the Respondent ever drinks alcoholic beverages. The R1DRINKR, R2DRINKR, RwDRINKD, and RwDRINKN variables are the Respondent's answers to how often they drink alcoholic beverages.

The SwDRINK, S1DRINKR, S2DRINKR, SwDRINKD, and SwDRINKN variables give this information for the Respondent's spouse or partner.

The drinking behavior variables are simply recoded from the raw HRS variables. In Wave 3 for R3DRINKN, there is a code in the original HRS data for "drinks all day," and this is recoded to 99. There are different variables for how often the Respondent drinks in Waves 1 and 2 than in subsequent waves, because different follow-up questions are asked. If the Respondent says they never drink alcohol, the "how often" variables are set to zero.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S2DRINK is taken from the Wave 2 spouse's R2DRINK variable.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2, a question asks: "Do you ever drink any alcoholic beverages, such as beer, wine, or liquor?" If yes, another question asks for a range of drinks per day in general. The possible answers are: less than 1, 1-2, 3-4, 5 or more.

From Wave 3 forward, the same initial question asks if the Respondent ever drinks alcoholic beverages. If yes, two follow-up questions are asked about the last 3 months:

"In the last three months, on average, how many days per week have you had any alcohol to drink? (For example, beer, wine, or any drink containing liquor.)"

"In the last three months, on the days you drink, about how many drinks do you have?"

If the answer to the first follow-up question is none or less than once week, then the second follow-up question is skipped.

HRS Variables Used

```
HRS 1992:
    V506            B36:CURR DRINK ALCOH:IMP
    V507            B36A:DRINKS PER DAY :IMP
AHEAD 1993:
    B301            B20. EVER DRINK ALCOHOL
    B302            B20a. # DRINKS PER DAY
HRS 1994:
```

```
    W456            B41.DRINK ALCOHOL
    W457            B41a.AMOUNT OF ALCOHOL P
AHEAD 1995:
    D949            B21.ALCOHOL
    D950            B21A.DRINK-# DAYS PER WEEK
    D951            B21B.# DRINKS-DAY
HRS 1996:
    E949            B21. ALCOHOL: EVER DRINK
    E950            B21A. ALCOHOL: NUM DAYS DRINK PER WEEK
    E951            B21C. ALCOHOL: NUM DRINKS PER DAY
HRS 1998:
    F1282           B21.ALCOHOL
    F1283           B21A.# DRINKS: DAYS PER WEEK
    F1284           B21B.# DRINKS-DAY
HRS 2000:
    G1415           B21.EVER DRINK ALCOHOL
    G1416           B21A.# DRINKS: DAYS PER WEEK
    G1417           B21B.# DRINKS-DAY
HRS 2002-2022:
    xC128           EVER DRINK ALCOHOL
    xC129           NUMBER DAYS PER WEEK- DRINK ALCOHOL
    xC130           NUMBER DRINKS- PER DAY
```

Health behaviors: Smoking (Cigarettes) and Vaping

Wave	Variable	Label	Type
1	R1SMOKEV	R1SMOKEV:W1 R smoke ever	Categ
2	R2SMOKEV	R2SMOKEV:W2 R smoke ever	Categ
3	R3SMOKEV	R3SMOKEV:W3 R smoke ever	Categ
4	R4SMOKEV	R4SMOKEV:W4 R smoke ever	Categ
5	R5SMOKEV	R5SMOKEV:W5 R smoke ever	Categ
6	R6SMOKEV	R6SMOKEV:W6 R smoke ever	Categ
7	R7SMOKEV	R7SMOKEV:W7 R smoke ever	Categ
8	R8SMOKEV	R8SMOKEV:W8 R smoke ever	Categ
9	R9SMOKEV	R9SMOKEV:W9 R smoke ever	Categ
10	R10SMOKEV	R10SMOKEV:W10 R smoke ever	Categ
11	R11SMOKEV	R11SMOKEV:W11 R smoke ever	Categ
12	R12SMOKEV	R12SMOKEV:W12 R smoke ever	Categ
13	R13SMOKEV	R13SMOKEV:W13 R smoke ever	Categ
14	R14SMOKEV	R14SMOKEV:W14 R smoke ever	Categ
15	R15SMOKEV	R15SMOKEV:W15 R smoke ever	Categ
16	R16SMOKEV	R16SMOKEV:W16 R smoke ever	Categ
1	S1SMOKEV	S1SMOKEV:W1 S smoke ever	Categ
2	S2SMOKEV	S2SMOKEV:W2 S smoke ever	Categ
3	S3SMOKEV	S3SMOKEV:W3 S smoke ever	Categ
4	S4SMOKEV	S4SMOKEV:W4 S smoke ever	Categ
5	S5SMOKEV	S5SMOKEV:W5 S smoke ever	Categ
6	S6SMOKEV	S6SMOKEV:W6 S smoke ever	Categ
7	S7SMOKEV	S7SMOKEV:W7 S smoke ever	Categ
8	S8SMOKEV	S8SMOKEV:W8 S smoke ever	Categ
9	S9SMOKEV	S9SMOKEV:W9 S smoke ever	Categ
10	S10SMOKEV	S10SMOKEV:W10 S smoke ever	Categ
11	S11SMOKEV	S11SMOKEV:W11 S smoke ever	Categ
12	S12SMOKEV	S12SMOKEV:W12 S smoke ever	Categ
13	S13SMOKEV	S13SMOKEV:W13 S smoke ever	Categ
14	S14SMOKEV	S14SMOKEV:W14 S smoke ever	Categ
15	S15SMOKEV	S15SMOKEV:W15 S smoke ever	Categ
16	S16SMOKEV	S16SMOKEV:W16 S smoke ever	Categ
1	R1SMOKEN	R1SMOKEN:W1 R smokes now	Categ
2	R2SMOKEN	R2SMOKEN:W2 R smokes now	Categ
3	R3SMOKEN	R3SMOKEN:W3 R smokes now	Categ
4	R4SMOKEN	R4SMOKEN:W4 R smokes now	Categ
5	R5SMOKEN	R5SMOKEN:W5 R smokes now	Categ
6	R6SMOKEN	R6SMOKEN:W6 R smokes now	Categ
7	R7SMOKEN	R7SMOKEN:W7 R smokes now	Categ
8	R8SMOKEN	R8SMOKEN:W8 R smokes now	Categ
9	R9SMOKEN	R9SMOKEN:W9 R smokes now	Categ
10	R10SMOKEN	R10SMOKEN:W10 R smokes now	Categ
11	R11SMOKEN	R11SMOKEN:W11 R smokes now	Categ
12	R12SMOKEN	R12SMOKEN:W12 R smokes now	Categ
13	R13SMOKEN	R13SMOKEN:W13 R smokes now	Categ
14	R14SMOKEN	R14SMOKEN:W14 R smokes now	Categ
15	R15SMOKEN	R15SMOKEN:W15 R smokes now	Categ
16	R16SMOKEN	R16SMOKEN:W16 R smokes now	Categ
1	S1SMOKEN	S1SMOKEN:W1 S smokes now	Categ
2	S2SMOKEN	S2SMOKEN:W2 S smokes now	Categ
3	S3SMOKEN	S3SMOKEN:W3 S smokes now	Categ
4	S4SMOKEN	S4SMOKEN:W4 S smokes now	Categ
5	S5SMOKEN	S5SMOKEN:W5 S smokes now	Categ
6	S6SMOKEN	S6SMOKEN:W6 S smokes now	Categ
7	S7SMOKEN	S7SMOKEN:W7 S smokes now	Categ
8	S8SMOKEN	S8SMOKEN:W8 S smokes now	Categ
9	S9SMOKEN	S9SMOKEN:W9 S smokes now	Categ
10	S10SMOKEN	S10SMOKEN:W10 S smokes now	Categ
11	S11SMOKEN	S11SMOKEN:W11 S smokes now	Categ
12	S12SMOKEN	S12SMOKEN:W12 S smokes now	Categ
13	S13SMOKEN	S13SMOKEN:W13 S smokes now	Categ
14	S14SMOKEN	S14SMOKEN:W14 S smokes now	Categ
15	S15SMOKEN	S15SMOKEN:W15 S smokes now	Categ

16	S16SMOKEN	S16SMOKEN:W16 S smokes now	Categ
1	R1SMKCIG	R1SMKCIG:W1 R reports num cigarettes smoked per day	Categ
2	R2SMKCIG	R2SMKCIG:W2 R reports num cigarettes smoked per day	Categ
3	R3SMKCIG	R3SMKCIG:W3 R reports num cigarettes smoked per day	Categ
4	R4SMKCIG	R4SMKCIG:W4 R reports num cigarettes smoked per day	Categ
5	R5SMKCIG	R5SMKCIG:W5 R reports num cigarettes smoked per day	Categ
6	R6SMKCIG	R6SMKCIG:W6 R reports num cigarettes smoked per day	Categ
7	R7SMKCIG	R7SMKCIG:W7 R reports num cigarettes smoked per day	Categ
8	R8SMKCIG	R8SMKCIG:W8 R reports num cigarettes smoked per day	Categ
9	R9SMKCIG	R9SMKCIG:W9 R reports num cigarettes smoked per day	Categ
10	R10SMKCIG	R10SMKCIG:W10 R reports num cigarettes smoked per day	Categ
11	R11SMKCIG	R11SMKCIG:W11 R reports num cigarettes smoked per day	Categ
12	R12SMKCIG	R12SMKCIG:W12 R reports num cigarettes smoked per day	Categ
13	R13SMKCIG	R13SMKCIG:W13 R reports num cigarettes smoked per day	Categ
14	R14SMKCIG	R14SMKCIG:W14 R reports num cigarettes smoked per day	Categ
15	R15SMKCIG	R15SMKCIG:W15 R reports num cigarettes smoked per day	Categ
16	R16SMKCIG	R16SMKCIG:W16 R reports num cigarettes smoked per day	Categ
1	S1SMKCIG	S1SMKCIG:W1 S reports num cigarettes smoked per day	Categ
2	S2SMKCIG	S2SMKCIG:W2 S reports num cigarettes smoked per day	Categ
3	S3SMKCIG	S3SMKCIG:W3 S reports num cigarettes smoked per day	Categ
4	S4SMKCIG	S4SMKCIG:W4 S reports num cigarettes smoked per day	Categ
5	S5SMKCIG	S5SMKCIG:W5 S reports num cigarettes smoked per day	Categ
6	S6SMKCIG	S6SMKCIG:W6 S reports num cigarettes smoked per day	Categ
7	S7SMKCIG	S7SMKCIG:W7 S reports num cigarettes smoked per day	Categ
8	S8SMKCIG	S8SMKCIG:W8 S reports num cigarettes smoked per day	Categ
9	S9SMKCIG	S9SMKCIG:W9 S reports num cigarettes smoked per day	Categ
10	S10SMKCIG	S10SMKCIG:W10 S reports num cigarettes smoked per day	Categ
11	S11SMKCIG	S11SMKCIG:W11 S reports num cigarettes smoked per day	Categ
12	S12SMKCIG	S12SMKCIG:W12 S reports num cigarettes smoked per day	Categ
13	S13SMKCIG	S13SMKCIG:W13 S reports num cigarettes smoked per day	Categ
14	S14SMKCIG	S14SMKCIG:W14 S reports num cigarettes smoked per day	Categ
15	S15SMKCIG	S15SMKCIG:W15 S reports num cigarettes smoked per day	Categ
16	S16SMKCIG	S16SMKCIG:W16 S reports num cigarettes smoked per day	Categ
1	R1SMKMCIG	R1SMKMCIG:W1 R reports num cigs smoked per day when smoked most	Cont
4	R4SMKMCIG	R4SMKMCIG:W4 R reports num cigs smoked per day when smoked most	Cont
5	R5SMKMCIG	R5SMKMCIG:W5 R reports num cigs smoked per day when smoked most	Cont
6	R6SMKMCIG	R6SMKMCIG:W6 R reports num cigs smoked per day when smoked most	Cont
7	R7SMKMCIG	R7SMKMCIG:W7 R reports num cigs smoked per day when smoked most	Cont
8	R8SMKMCIG	R8SMKMCIG:W8 R reports num cigs smoked per day when smoked most	Cont
9	R9SMKMCIG	R9SMKMCIG:W9 R reports num cigs smoked per day when smoked most	Cont
10	R10SMKMCIG	R10SMKMCIG:W10 R reports num cigs smoked per day when smoked most	Cont
11	R11SMKMCIG	R11SMKMCIG:W11 R reports num cigs smoked per day when smoked most	Cont
12	R12SMKMCIG	R12SMKMCIG:W12 R reports num cigs smoked per day when smoked most	Cont
13	R13SMKMCIG	R13SMKMCIG:W13 R reports num cigs smoked per day when smoked most	Cont
14	R14SMKMCIG	R14SMKMCIG:W14 R reports num cigs smoked per day when smoked most	Cont
15	R15SMKMCIG	R15SMKMCIG:W15 R reports num cigs smoked per day when smoked most	Cont
16	R16SMKMCIG	R16SMKMCIG:W16 R reports num cigs smoked per day when smoked most	Cont
1	S1SMKMCIG	S1SMKMCIG:W1 S reports num cigs smoked per day when smoked most	Cont
4	S4SMKMCIG	S4SMKMCIG:W4 S reports num cigs smoked per day when smoked most	Cont
5	S5SMKMCIG	S5SMKMCIG:W5 S reports num cigs smoked per day when smoked most	Cont
6	S6SMKMCIG	S6SMKMCIG:W6 S reports num cigs smoked per day when smoked most	Cont
7	S7SMKMCIG	S7SMKMCIG:W7 S reports num cigs smoked per day when smoked most	Cont
8	S8SMKMCIG	S8SMKMCIG:W8 S reports num cigs smoked per day when smoked most	Cont
9	S9SMKMCIG	S9SMKMCIG:W9 S reports num cigs smoked per day when smoked most	Cont
10	S10SMKMCIG	S10SMKMCIG:W10 S reports num cigs smoked per day when smoked most	Cont
11	S11SMKMCIG	S11SMKMCIG:W11 S reports num cigs smoked per day when smoked most	Cont
12	S12SMKMCIG	S12SMKMCIG:W12 S reports num cigs smoked per day when smoked most	Cont
13	S13SMKMCIG	S13SMKMCIG:W13 S reports num cigs smoked per day when smoked most	Cont
14	S14SMKMCIG	S14SMKMCIG:W14 S reports num cigs smoked per day when smoked most	Cont
15	S15SMKMCIG	S15SMKMCIG:W15 S reports num cigs smoked per day when smoked most	Cont
16	S16SMKMCIG	S16SMKMCIG:W16 S reports num cigs smoked per day when smoked most	Cont
4	R4SMKSTRT	R4SMKSTRT:W4 R age started smoking	Cont
5	R5SMKSTRT	R5SMKSTRT:W5 R age started smoking	Cont
6	R6SMKSTRT	R6SMKSTRT:W6 R age started smoking	Cont
7	R7SMKSTRT	R7SMKSTRT:W7 R age started smoking	Cont
8	R8SMKSTRT	R8SMKSTRT:W8 R age started smoking	Cont
9	R9SMKSTRT	R9SMKSTRT:W9 R age started smoking	Cont

10	R10SMKSTRT	R10SMKSTRT:W10 R age started smoking	Cont
11	R11SMKSTRT	R11SMKSTRT:W11 R age started smoking	Cont
12	R12SMKSTRT	R12SMKSTRT:W12 R age started smoking	Cont
13	R13SMKSTRT	R13SMKSTRT:W13 R age started smoking	Cont
14	R14SMKSTRT	R14SMKSTRT:W14 R age started smoking	Cont
15	R15SMKSTRT	R15SMKSTRT:W15 R age started smoking	Cont
16	R16SMKSTRT	R16SMKSTRT:W16 R age started smoking	Cont
4	S4SMKSTRT	S4SMKSTRT:W4 S age started smoking	Cont
5	S5SMKSTRT	S5SMKSTRT:W5 S age started smoking	Cont
6	S6SMKSTRT	S6SMKSTRT:W6 S age started smoking	Cont
7	S7SMKSTRT	S7SMKSTRT:W7 S age started smoking	Cont
8	S8SMKSTRT	S8SMKSTRT:W8 S age started smoking	Cont
9	S9SMKSTRT	S9SMKSTRT:W9 S age started smoking	Cont
10	S10SMKSTRT	S10SMKSTRT:W10 S age started smoking	Cont
11	S11SMKSTRT	S11SMKSTRT:W11 S age started smoking	Cont
12	S12SMKSTRT	S12SMKSTRT:W12 S age started smoking	Cont
13	S13SMKSTRT	S13SMKSTRT:W13 S age started smoking	Cont
14	S14SMKSTRT	S14SMKSTRT:W14 S age started smoking	Cont
15	S15SMKSTRT	S15SMKSTRT:W15 S age started smoking	Cont
16	S16SMKSTRT	S16SMKSTRT:W16 S age started smoking	Cont
1	R1SMKSTOP	R1SMKSTOP:W1 R age stopped smoking	Cont
4	R4SMKSTOP	R4SMKSTOP:W4 R age stopped smoking	Cont
5	R5SMKSTOP	R5SMKSTOP:W5 R age stopped smoking	Cont
6	R6SMKSTOP	R6SMKSTOP:W6 R age stopped smoking	Cont
7	R7SMKSTOP	R7SMKSTOP:W7 R age stopped smoking	Cont
8	R8SMKSTOP	R8SMKSTOP:W8 R age stopped smoking	Cont
9	R9SMKSTOP	R9SMKSTOP:W9 R age stopped smoking	Cont
10	R10SMKSTOP	R10SMKSTOP:W10 R age stopped smoking	Cont
11	R11SMKSTOP	R11SMKSTOP:W11 R age stopped smoking	Cont
12	R12SMKSTOP	R12SMKSTOP:W12 R age stopped smoking	Cont
13	R13SMKSTOP	R13SMKSTOP:W13 R age stopped smoking	Cont
14	R14SMKSTOP	R14SMKSTOP:W14 R age stopped smoking	Cont
15	R15SMKSTOP	R15SMKSTOP:W15 R age stopped smoking	Cont
16	R16SMKSTOP	R16SMKSTOP:W16 R age stopped smoking	Cont
1	S1SMKSTOP	S1SMKSTOP:W1 S age stopped smoking	Cont
4	S4SMKSTOP	S4SMKSTOP:W4 S age stopped smoking	Cont
5	S5SMKSTOP	S5SMKSTOP:W5 S age stopped smoking	Cont
6	S6SMKSTOP	S6SMKSTOP:W6 S age stopped smoking	Cont
7	S7SMKSTOP	S7SMKSTOP:W7 S age stopped smoking	Cont
8	S8SMKSTOP	S8SMKSTOP:W8 S age stopped smoking	Cont
9	S9SMKSTOP	S9SMKSTOP:W9 S age stopped smoking	Cont
10	S10SMKSTOP	S10SMKSTOP:W10 S age stopped smoking	Cont
11	S11SMKSTOP	S11SMKSTOP:W11 S age stopped smoking	Cont
12	S12SMKSTOP	S12SMKSTOP:W12 S age stopped smoking	Cont
13	S13SMKSTOP	S13SMKSTOP:W13 S age stopped smoking	Cont
14	S14SMKSTOP	S14SMKSTOP:W14 S age stopped smoking	Cont
15	S15SMKSTOP	S15SMKSTOP:W15 S age stopped smoking	Cont
16	S16SMKSTOP	S16SMKSTOP:W16 S age stopped smoking	Cont
1	R1SMKAGEF	R1SMKAGEF:W1 R SMKSTRT/SMKSTOP age flag	Categ
4	R4SMKAGEF	R4SMKAGEF:W4 R SMKSTRT/SMKSTOP age flag	Categ
5	R5SMKAGEF	R5SMKAGEF:W5 R SMKSTRT/SMKSTOP age flag	Categ
6	R6SMKAGEF	R6SMKAGEF:W6 R SMKSTRT/SMKSTOP age flag	Categ
7	R7SMKAGEF	R7SMKAGEF:W7 R SMKSTRT/SMKSTOP age flag	Categ
8	R8SMKAGEF	R8SMKAGEF:W8 R SMKSTRT/SMKSTOP age flag	Categ
9	R9SMKAGEF	R9SMKAGEF:W9 R SMKSTRT/SMKSTOP age flag	Categ
10	R10SMKAGEF	R10SMKAGEF:W10 R SMKSTRT/SMKSTOP age flag	Categ
11	R11SMKAGEF	R11SMKAGEF:W11 R SMKSTRT/SMKSTOP age flag	Categ
12	R12SMKAGEF	R12SMKAGEF:W12 R SMKSTRT/SMKSTOP age flag	Categ
13	R13SMKAGEF	R13SMKAGEF:W13 R SMKSTRT/SMKSTOP age flag	Categ
14	R14SMKAGEF	R14SMKAGEF:W14 R SMKSTRT/SMKSTOP age flag	Categ
15	R15SMKAGEF	R15SMKAGEF:W15 R SMKSTRT/SMKSTOP age flag	Categ
16	R16SMKAGEF	R16SMKAGEF:W16 R SMKSTRT/SMKSTOP age flag	Categ
1	S1SMKAGEF	S1SMKAGEF:W1 S SMKSTRT/SMKSTOP age flag	Categ
4	S4SMKAGEF	S4SMKAGEF:W4 S SMKSTRT/SMKSTOP age flag	Categ
5	S5SMKAGEF	S5SMKAGEF:W5 S SMKSTRT/SMKSTOP age flag	Categ
6	S6SMKAGEF	S6SMKAGEF:W6 S SMKSTRT/SMKSTOP age flag	Categ
7	S7SMKAGEF	S7SMKAGEF:W7 S SMKSTRT/SMKSTOP age flag	Categ

8	S8SMKAGEF	S8SMKAGEF:W8 S SMKSTRT/SMKSTOP age flag	Categ
9	S9SMKAGEF	S9SMKAGEF:W9 S SMKSTRT/SMKSTOP age flag	Categ
10	S10SMKAGEF	S10SMKAGEF:W10 S SMKSTRT/SMKSTOP age flag	Categ
11	S11SMKAGEF	S11SMKAGEF:W11 S SMKSTRT/SMKSTOP age flag	Categ
12	S12SMKAGEF	S12SMKAGEF:W12 S SMKSTRT/SMKSTOP age flag	Categ
13	S13SMKAGEF	S13SMKAGEF:W13 S SMKSTRT/SMKSTOP age flag	Categ
14	S14SMKAGEF	S14SMKAGEF:W14 S SMKSTRT/SMKSTOP age flag	Categ
15	S15SMKAGEF	S15SMKAGEF:W15 S SMKSTRT/SMKSTOP age flag	Categ
16	S16SMKAGEF	S16SMKAGEF:W16 S SMKSTRT/SMKSTOP age flag	Categ
16	R16VAPEV	R16VAPEV:W16 R reports ever vaping	Categ
16	S16VAPEV	S16VAPEV:W16 S reports ever vaping	Categ
16	R16VAPEVNIC	R16VAPEVNIC:W16 R reports ever vaping nicotine	Categ
16	S16VAPEVNIC	S16VAPEVNIC:W16 S reports ever vaping nicotine	Categ
16	R16VAPENNIC	R16VAPENNIC:W16 R reports vaping nicotine now	Categ
16	S16VAPENNIC	S16VAPENNIC:W16 S reports vaping nicotine now	Categ
16	R16VAPEVOTH	R16VAPEVOTH:W16 R reports ever vaping anything other than nicotine	Categ
16	S16VAPEVOTH	S16VAPEVOTH:W16 S reports ever vaping anything other than nicotine	Categ
16	R16VAPENOTH	R16VAPENOTH:W16 R reports vaping anything other than nicotine now	Categ
16	S16VAPENOTH	S16VAPENOTH:W16 S reports vaping anything other than nicotine now	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SMOKEV	12652	0.63	0.48	0.0	1.0
R2SMOKEV	19571	0.59	0.49	0.0	1.0
R3SMOKEV	17731	0.59	0.49	0.0	1.0
R4SMOKEV	21175	0.59	0.49	0.0	1.0
R5SMOKEV	19389	0.59	0.49	0.0	1.0
R6SMOKEV	17986	0.58	0.49	0.0	1.0
R7SMOKEV	19961	0.58	0.49	0.0	1.0
R8SMOKEV	18313	0.57	0.49	0.0	1.0
R9SMOKEV	17072	0.57	0.50	0.0	1.0
R10SMOKEV	21904	0.57	0.50	0.0	1.0
R11SMOKEV	20439	0.56	0.50	0.0	1.0
R12SMOKEV	18642	0.56	0.50	0.0	1.0
R13SMOKEV	20824	0.54	0.50	0.0	1.0
R14SMOKEV	17084	0.54	0.50	0.0	1.0
R15SMOKEV	15670	0.53	0.50	0.0	1.0
R16SMOKEV	15741	0.51	0.50	0.0	1.0
S1SMOKEV	9900	0.63	0.48	0.0	1.0
S2SMOKEV	13022	0.61	0.49	0.0	1.0
S3SMOKEV	11682	0.61	0.49	0.0	1.0
S4SMOKEV	13800	0.60	0.49	0.0	1.0
S5SMOKEV	12582	0.60	0.49	0.0	1.0
S6SMOKEV	11501	0.59	0.49	0.0	1.0
S7SMOKEV	12849	0.58	0.49	0.0	1.0
S8SMOKEV	11620	0.58	0.49	0.0	1.0
S9SMOKEV	10544	0.57	0.49	0.0	1.0
S10SMOKEV	13424	0.56	0.50	0.0	1.0
S11SMOKEV	12412	0.55	0.50	0.0	1.0

S12SMOKEV	10954	0.55	0.50	0.0	1.0
S13SMOKEV	11732	0.53	0.50	0.0	1.0
S14SMOKEV	9336	0.53	0.50	0.0	1.0
S15SMOKEV	8456	0.52	0.50	0.0	1.0
S16SMOKEV	7825	0.50	0.50	0.0	1.0
R1SMOKEN	12652	0.27	0.44	0.0	1.0
R2SMOKEN	19635	0.19	0.39	0.0	1.0
R3SMOKEN	17640	0.17	0.37	0.0	1.0
R4SMOKEN	21381	0.17	0.37	0.0	1.0
R5SMOKEN	19576	0.15	0.36	0.0	1.0
R6SMOKEN	18164	0.14	0.35	0.0	1.0
R7SMOKEN	19952	0.15	0.36	0.0	1.0
R8SMOKEN	18309	0.14	0.35	0.0	1.0
R9SMOKEN	17070	0.13	0.34	0.0	1.0
R10SMOKEN	21901	0.16	0.36	0.0	1.0
R11SMOKEN	20436	0.15	0.35	0.0	1.0
R12SMOKEN	18638	0.13	0.34	0.0	1.0
R13SMOKEN	20818	0.15	0.35	0.0	1.0
R14SMOKEN	17075	0.13	0.34	0.0	1.0
R15SMOKEN	15551	0.12	0.32	0.0	1.0
R16SMOKEN	13381	0.10	0.31	0.0	1.0
S1SMOKEN	9900	0.25	0.43	0.0	1.0
S2SMOKEN	13087	0.18	0.39	0.0	1.0
S3SMOKEN	11666	0.17	0.37	0.0	1.0
S4SMOKEN	13980	0.16	0.36	0.0	1.0
S5SMOKEN	12729	0.14	0.35	0.0	1.0
S6SMOKEN	11638	0.13	0.34	0.0	1.0
S7SMOKEN	12846	0.14	0.35	0.0	1.0
S8SMOKEN	11618	0.13	0.33	0.0	1.0
S9SMOKEN	10543	0.11	0.32	0.0	1.0
S10SMOKEN	13421	0.14	0.35	0.0	1.0
S11SMOKEN	12411	0.13	0.33	0.0	1.0
S12SMOKEN	10953	0.11	0.32	0.0	1.0
S13SMOKEN	11730	0.12	0.33	0.0	1.0
S14SMOKEN	9334	0.11	0.31	0.0	1.0
S15SMOKEN	8395	0.10	0.30	0.0	1.0
S16SMOKEN	6618	0.08	0.28	0.0	1.0
R1SMKCIG	3438	20.33	13.03	1.0	95.5
R2SMKCIG	3524	19.50	14.73	1.0	300.0
R3SMKCIG	2934	17.58	12.22	0.0	120.0
R4SMKCIG	3539	17.75	12.57	0.0	160.0
R5SMKCIG	2937	17.10	11.86	0.0	100.0
R6SMKCIG	2518	15.44	12.11	0.0	100.0
R7SMKCIG	3001	14.89	12.09	0.0	140.0
R8SMKCIG	2517	15.52	11.19	0.0	100.0
R9SMKCIG	2228	14.58	10.59	0.0	80.0
R10SMKCIG	3414	12.92	10.06	0.0	140.0
R11SMKCIG	2962	12.43	9.10	0.0	60.0
R12SMKCIG	2434	11.84	8.73	0.0	60.0
R13SMKCIG	3043	11.81	8.95	0.0	90.0
R14SMKCIG	2239	11.20	7.97	0.0	60.0
R15SMKCIG	1843	11.37	7.88	0.0	60.0
R16SMKCIG	1399	10.67	7.88	0.0	80.0
S1SMKCIG	2471	20.85	12.93	1.0	95.5
S2SMKCIG	2338	20.13	15.14	1.0	300.0

S3SMKCIG	1919	18.20	12.41	0.0	120.0
S4SMKCIG	2177	18.55	12.88	0.0	160.0
S5SMKCIG	1794	17.84	12.23	0.0	100.0
S6SMKCIG	1536	15.67	12.20	0.0	100.0
S7SMKCIG	1770	15.34	11.78	0.0	100.0
S8SMKCIG	1477	16.08	11.48	0.0	100.0
S9SMKCIG	1207	14.83	10.63	0.0	80.0
S10SMKCIG	1854	13.18	10.00	0.0	100.0
S11SMKCIG	1571	12.69	8.91	0.0	60.0
S12SMKCIG	1228	12.01	8.53	0.0	60.0
S13SMKCIG	1446	12.06	8.80	0.0	60.0
S14SMKCIG	1033	11.41	8.23	0.0	45.0
S15SMKCIG	846	11.75	8.35	0.0	60.0
S16SMKCIG	557	10.90	7.68	0.0	50.0
R1SMKMCIG	4588	25.02	18.45	1.0	95.5
R4SMKMCIG	1979	23.63	18.28	0.0	140.0
R5SMKMCIG	91	22.79	17.73	0.0	100.0
R6SMKMCIG	81	20.10	19.88	0.0	80.0
R7SMKMCIG	1045	17.22	16.66	0.0	100.0
R8SMKMCIG	4762	21.07	17.88	0.0	140.0
R9SMKMCIG	191	17.96	15.70	0.0	80.0
R10SMKMCIG	2107	14.93	15.85	0.0	120.0
R11SMKMCIG	82	17.59	24.14	0.0	200.0
R12SMKMCIG	135	16.06	15.76	0.0	80.0
R13SMKMCIG	1191	12.85	14.56	0.0	200.0
R14SMKMCIG	67	14.10	13.11	1.0	50.0
R15SMKMCIG	6127	15.36	15.13	0.0	100.0
R16SMKMCIG	4128	14.27	14.60	0.0	100.0
S1SMKMCIG	3741	25.39	18.32	1.0	95.5
S4SMKMCIG	1425	23.84	18.05	0.0	100.0
S5SMKMCIG	87	22.60	16.81	0.0	100.0
S6SMKMCIG	76	21.09	20.12	0.0	80.0
S7SMKMCIG	787	17.97	17.24	0.0	100.0
S8SMKMCIG	3037	22.36	18.18	0.0	140.0
S9SMKMCIG	112	20.04	17.17	0.0	80.0
S10SMKMCIG	1356	15.19	16.11	0.0	120.0
S11SMKMCIG	65	19.25	26.31	0.0	200.0
S12SMKMCIG	119	16.19	15.93	0.0	80.0
S13SMKMCIG	685	12.98	13.53	0.0	80.0
S14SMKMCIG	59	13.97	13.28	1.0	50.0
S15SMKMCIG	3343	15.98	15.24	0.0	100.0
S16SMKMCIG	2045	15.00	15.28	0.0	100.0
R4SMKSTRT	3028	17.91	6.20	4.0	70.0
R5SMKSTRT	151	17.44	5.56	6.0	40.0
R6SMKSTRT	116	17.95	7.18	7.0	57.0
R7SMKSTRT	1868	17.91	5.76	4.0	52.0
R8SMKSTRT	6033	18.30	6.56	0.0	90.0
R9SMKSTRT	279	18.96	7.17	2.0	70.0
R10SMKSTRT	3717	18.47	6.31	1.0	63.0
R11SMKSTRT	137	18.10	5.71	4.0	57.0
R12SMKSTRT	198	18.06	5.75	2.0	46.0
R13SMKSTRT	2306	17.90	6.43	0.0	77.0
R14SMKSTRT	128	18.03	7.26	5.0	55.0
R15SMKSTRT	457	18.54	6.97	5.0	65.0
R16SMKSTRT	1244	18.31	6.97	5.0	69.0

S4SMKSTRT	2060	17.44	5.55	5.0	70.0
S5SMKSTRT	147	17.46	5.58	6.0	40.0
S6SMKSTRT	109	17.81	6.98	7.0	57.0
S7SMKSTRT	1311	17.51	5.22	4.0	52.0
S8SMKSTRT	3753	17.65	5.62	0.0	65.0
S9SMKSTRT	163	17.68	4.99	5.0	55.0
S10SMKSTRT	2258	18.16	6.03	3.0	55.0
S11SMKSTRT	118	17.95	6.06	4.0	57.0
S12SMKSTRT	176	17.98	5.62	2.0	46.0
S13SMKSTRT	1214	17.71	6.23	2.0	77.0
S14SMKSTRT	118	18.07	7.45	5.0	55.0
S15SMKSTRT	239	18.01	5.36	6.0	46.0
S16SMKSTRT	547	17.68	6.19	6.0	60.0
R1SMKSTOP	4289	40.40	11.26	7.0	74.0
R4SMKSTOP	1996	43.00	14.34	3.0	74.0
R5SMKSTOP	96	44.10	14.47	16.0	90.0
R6SMKSTOP	83	41.05	13.48	4.0	79.0
R7SMKSTOP	1047	34.95	11.35	6.0	96.0
R8SMKSTOP	4690	46.49	15.39	1.0	93.0
R9SMKSTOP	112	51.15	14.50	12.0	81.0
R10SMKSTOP	2053	36.30	12.70	0.0	96.0
R11SMKSTOP	69	44.99	14.86	16.0	74.0
R12SMKSTOP	130	38.07	13.52	16.0	69.0
R13SMKSTOP	1186	36.15	12.11	0.0	66.0
R14SMKSTOP	67	36.22	13.70	17.0	80.0
R15SMKSTOP	975	57.76	11.14	7.0	88.0
R16SMKSTOP	836	40.70	14.49	4.0	81.0
S1SMKSTOP	3506	40.19	11.34	7.0	74.0
S4SMKSTOP	1439	41.52	14.03	9.0	74.0
S5SMKSTOP	92	43.91	14.64	16.0	90.0
S6SMKSTOP	78	40.38	13.27	4.0	79.0
S7SMKSTOP	787	34.43	11.07	6.0	75.0
S8SMKSTOP	2982	44.46	14.67	2.0	87.0
S9SMKSTOP	76	50.22	14.66	12.0	81.0
S10SMKSTOP	1321	35.73	12.77	0.0	96.0
S11SMKSTOP	60	44.28	15.16	16.0	74.0
S12SMKSTOP	120	37.88	12.90	16.0	69.0
S13SMKSTOP	683	35.25	11.94	0.0	66.0
S14SMKSTOP	60	36.03	13.74	17.0	80.0
S15SMKSTOP	484	55.66	11.48	7.0	87.0
S16SMKSTOP	373	39.45	13.83	10.0	77.0
R1SMKAGEF	12652	0.00	0.00	0.0	0.0
R4SMKAGEF	21384	0.09	2.98	0.0	100.0
R5SMKAGEF	19578	0.01	0.71	0.0	100.0
R6SMKAGEF	18165	0.01	1.05	0.0	100.0
R7SMKAGEF	20129	0.12	3.38	0.0	100.0
R8SMKAGEF	18469	0.29	5.35	0.0	100.0
R9SMKAGEF	17217	0.01	1.08	0.0	100.0
R10SMKAGEF	22034	0.22	4.66	0.0	100.0
R11SMKAGEF	20554	0.00	0.70	0.0	100.0
R12SMKAGEF	18747	0.02	1.26	0.0	100.0
R13SMKAGEF	20912	0.13	3.66	0.0	100.0
R14SMKAGEF	17146	0.01	0.76	0.0	100.0
R15SMKAGEF	15723	0.00	0.01	0.0	1.0
R16SMKAGEF	15787	0.10	3.08	0.0	100.0

S1SMKAGEF	9900	0.00	0.00	0.0	0.0
S4SMKAGEF	13980	0.07	2.67	0.0	100.0
S5SMKAGEF	12730	0.01	0.89	0.0	100.0
S6SMKAGEF	11639	0.02	1.31	0.0	100.0
S7SMKAGEF	12972	0.13	3.62	0.0	100.0
S8SMKAGEF	11735	0.27	5.13	0.0	100.0
S9SMKAGEF	10646	0.01	0.97	0.0	100.0
S10SMKAGEF	13513	0.21	4.55	0.0	100.0
S11SMKAGEF	12484	0.01	0.90	0.0	100.0
S12SMKAGEF	11012	0.03	1.65	0.0	100.0
S13SMKAGEF	11779	0.14	3.68	0.0	100.0
S14SMKAGEF	9358	0.01	1.03	0.0	100.0
S15SMKAGEF	8477	0.00	0.00	0.0	0.0
S16SMKAGEF	7840	0.06	2.52	0.0	100.0
R16VAPEV	14298	0.06	0.24	0.0	1.0
S16VAPEV	7173	0.05	0.23	0.0	1.0
R16VAPEVNIC	864	0.62	0.49	0.0	1.0
S16VAPEVNIC	392	0.62	0.49	0.0	1.0
R16VAPENNIC	535	1.45	0.76	1.0	3.0
S16VAPENNIC	241	1.44	0.77	1.0	3.0
R16VAPEVOTH	705	0.33	0.47	0.0	1.0
S16VAPEVOTH	322	0.35	0.48	0.0	1.0
R16VAPENOTH	391	1.53	0.68	1.0	3.0
S16VAPENOTH	183	1.55	0.67	1.0	3.0

Categorical Variable Codes

RwSMOKEV: R smoke ever

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		3								2
.M=Oth missing		68	260	209	189	178	168	156	145	128
.R=RF						1				
0.No	4626	8054	7313	8681	8008	7497	8479	7851	7366	9522
1.Yes	8026	11517	10418	12494	11381	10489	11482	10462	9706	12382

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			1		1	
.M=Oth missing	115	105	86	62	52	43
.R=RF			1			3
0.No	8972	8251	9526	7889	7347	7675
1.Yes	11467	10391	11298	9195	8323	8066

SwSMOKEV: S smoke ever

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		1								2
.M=Oth missing		67	235	180	148	137	123	115	102	87
.R=RF						1				
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	3688	5023	4532	5456	5021	4676	5393	4909	4513	5919
1.Yes	6212	7999	7150	8344	7561	6825	7456	6711	6031	7505

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			1			
.M=Oth missing	72	58	46	22	21	13
.R=RF						2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	5537	4899	5504	4429	4085	3936
1.Yes	6875	6055	6228	4907	4371	3889

RwSMOKEN: R smokes now

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		5		2	1		1	2	1	1
.J=Web interview, missing										
.M=Oth missing			350			1	175	158	146	132
.R=RF		2	1	1	1		1			
0.No	9214	15990	14670	17818	16607	15632	16940	15778	14836	18478
1.Yes	3438	3645	2970	3563	2969	2532	3012	2531	2234	3423

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	2	3	4	1	2	66
.J=Web interview, missing				1	3	
.M=Oth missing	116	105	89	65	165	2340
.R=RF		1	1	4	2	
0.No	17464	16196	17765	14827	13700	11978
1.Yes	2972	2442	3053	2248	1851	1403

SwSMOKEN: S smokes now

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		1					1			1
.J=Web interview, missing										
.M=Oth missing			250			1	125	117	103	91
.R=RF		2	1		1					
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	7429	10667	9729	11789	10919	10095	11070	10130	9332	11560
1.Yes	2471	2420	1937	2191	1810	1543	1776	1488	1211	1861

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	1	1	2			25
.J=Web interview, missing					1	
.M=Oth missing	72	58	47	23	81	1197
.R=RF				1		
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	10836	9722	10278	8298	7544	6059
1.Yes	1575	1231	1452	1036	851	559

RwSMKAGEF: R SMKSTRT/SMKSTOP age flag

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Valid or no age given	12652			21355	19577	18163	20099	18394	17213	21976
1.Start smoking <5 years ol				10			6	22	2	9
10.Start/Stop exceeds age							1			1
100.=Stop before started				19	1	2	23	53	2	48

Value	w11	w12	w13	w14	w15	w16
0.Valid or no age given	20552	18742	20875	17144	15722	15770
1.Start smoking <5 years ol	1	2	8	1	1	2
10.Start/Stop exceeds age			1			
100.=Stop before started	1	3	28	1		15

SwSMKAGEF: S SMKSTRT/SMKSTOP age flag

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373			6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379			536	311	220	380	317	365	724
0.Valid or no age given	9900			13962	12729	11637	12951	11690	10644	13479
1.Start smoking <5 years ol				8			4	14	1	5
10.Start/Stop exceeds age										1
100.=Stop before started				10	1	2	17	31	1	28

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Valid or no age given	12482	11007	11760	9356	8477	7835
1.Start smoking <5 years ol	1	2	2	1		
10.Start/Stop exceeds age			1			
100.=Stop before started	1	3	16	1		5

RwVAPEV: R reports ever vaping

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA						5
.J=Web interview, missing						4
.M=Oth missing						1479
.R=RF						1
0.No						13431
1.Yes						867

SwVAPEV: S reports ever vaping

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA						2
.J=Web interview, missing						3
.M=Oth missing						661
.R=RF						1
.U=Unmarried						6541
.V=Spouse NR						1406
0.No						6781
1.Yes						392

RwVAPEVNIC: R reports ever vaping nicotine

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.S=Skip,question not asked										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA						3
.S=Skip,question not asked						14920
0.No						328
1.Yes						536

SwVAPEVNIC: S reports ever vaping nicotine

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Skip,question not asked										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.S=Skip,question not asked						7448
.U=Unmarried						6541
.V=Spouse NR						1406
0.No						150
1.Yes						242

RwVAPENNIC: R reports vaping nicotine now

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										
.S=Skip										
1.Not at all										
2.Some days										
3.Every day										

Value	w11	w12	w13	w14	w15	w16
.D=DK						1
.S=Skip						15251
1.Not at all						385
2.Some days						60
3.Every day						90

SwVAPENNIC: S reports vaping nicotine now

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										
.S=Skip										
.U=Unmarried										
.V=Spouse NR										
1.Not at all										
2.Some days										
3.Every day										

Value	w11	w12	w13	w14	w15	w16
.D=DK						1
.S=Skip						7598
.U=Unmarried						6541
.V=Spouse NR						1406
1.Not at all						177
2.Some days						23
3.Every day						41

RwVAPEVOTH: R reports ever vaping anything other than nicotine

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.S=Skip,question not asked										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA						3
.S=Skip,question not asked						15079
0.No						472
1.Yes						233

SwVAPEVOTH: S reports ever vaping anything other than nicotine

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Skip,question not asked										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.S=Skip,question not asked						7518
.U=Unmarried						6541
.V=Spouse NR						1406
0.No						209
1.Yes						113

RwVAPENOTH: R reports vaping anything other than nicotine now

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										
.S=Skip										
1.Not at all										
2.Some days										
3.Every day										

Value	w11	w12	w13	w14	w15	w16
.D=DK						1
.S=Skip						15395
1.Not at all						227
2.Some days						122
3.Every day						42

SwVAPENOTH: S reports vaping anything other than nicotine now

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Skip										
.U=Unmarried										
.V=Spouse NR										
1.Not at all										
2.Some days										
3.Every day										

Value	w11	w12	w13	w14	w15	w16
.S=Skip						7657
.U=Unmarried						6541
.V=Spouse NR						1406
1.Not at all						101
2.Some days						64
3.Every day						18

How Constructed

RwSMOKEV indicates whether the Respondent ever smoked cigarettes. RwSMOKEN indicates whether the Respondent smokes now. SwSMOKEV and SwSMOKEN are this information for the Respondent's spouse or partner.

These variables are recoded for missings into yes/no indicators. Since the ever-smoked question is usually only asked at the Respondent's first interview, the answer is carried forward for RwSMOKEV in subsequent waves. If at any wave a Respondent says they currently smoke cigarettes, i.e., RwSMOKEN is yes, RwSMOKEV is set to yes in that and all subsequent waves.

Until Wave 7, Respondents were asked if they smoke now regardless of whether they'd ever smoked. From Wave 7 forward, both the ever and now smoking questions are usually skipped if the Respondent had previously stated that they had never smoked. If the questions were skipped for this reason, RwSMOKEV and RwSMOKEN are set to "0. No". We verified this assumption by observing that Respondents who had never smoked in an earlier wave rarely respond "yes" to smoking cigarettes in a subsequent wave.

The spouse variables are taken from the Wave 'w' spouse's self-reported information, e.g., S3SMOKEN is taken from the Wave 3 spouse's R3SMOKEN.

RwSMKCIG records the number of cigarettes the Respondent reports currently smoking per day. Any responses originally reported in packs or cartons have been converted to cigarettes per day (multiplying by 20 for packs or 200 for cartons, where applicable).

RwSMKMCIG indicates the number of cigarettes per day the Respondent smoked during the period when they smoked the most, similarly converted. This question is only provided to individuals who indicate they are no longer currently smoking, if a Respondent is currently smoking in RwSMOKEN this question is set to ".S=Skip." RwSMKSTRT is the Respondent's age when they first started smoking, available from Wave 4 forward. RwSMKSTOP is the Respondent's derived age when they stopped smoking and is available in Wave 1 and from Wave 4 forward. For these questions, some Respondents provide a response as the year or the number of years ago when these events occurred. We convert these responses to age using the Respondent's birth year (RABYEAR) or the Respondents age at interview completion (RwAGEY_E, age at interview end). A small group of Respondents reported their age in multiple ways, particularly in 2020 using the internet survey mode. In these instances, RwSMKSTRTF or RwSMKSTOPF is set to 1. If all reported ages are within 3 years then age is assigned with the following priority: age > year > years ago. When a Respondent reported stopping smoking "less than one year ago", RwSMKSTOP is set to RwAGEY_E. When the year stopped equals the interview year, RwSMKSTOP is likewise set to RwAGEY_E. RwSMKMCIG, RwSMKSTRT, and RwSMKSTOP are typically only asked of Respondents once, if preload data indicates the questions used in these variables have been previously provided and are skipped, these variables are set to .P.

RwSMKAGEF is a smoking age consistency flag available in Waves 4 forward. A value of 0 indicates no inconsistency. The value 100 is added when the derived stop age precedes the derived start age; 10 is added when either start or stop age exceeds the Respondent's current age (RwAGEY_E); and 1 is added when the derived start age is 5 or younger.

If the Respondent reports never having smoked cigarettes, the followup smoking questions are skipped and RwSMKCIG, RwSMKMCIG, RwSMKSTRT, and RwSMKSTOP are set to .S.

RwVAPEV indicates if the Respondent has ever used e-cigarettes or vaping products. If Respondents do not indicate yes (RwVAPEV = 1) than all follow up vape questions are set to ".S=Skip".

RwVAPEVNIC indicates if a Respondent has ever used a vaping product to vape nicotine. If they have vaped nicotine, RwVAPENNIC captures the frequency of current use, and RwVAPEVOTH indicates whether they ever vaped anything other than nicotine. If the Respondent did not indicate they ever vaped nicotine RwVAPENNIC and RwVAPEVOTH are set to ".S=Skip". If the Respondent reports ever vaping, RwVAPENOTH captures how often they currently vape anything other than nicotine.

SwSMKCIG, SwSMKMCIG, SwSMKSTRT, SwSMKSTOP, SwSMKSTRTF, SwSMKAGEF, SwVAPEV, SwVAPEVNIC, SwVAPENNIC, SwVAPEVOTH, and SwVAPENOTH are the variables for the Respondent's spouse at wave 'w'.

Cross Wave Differences in Original HRS Data

In Wave 1 all Respondents are asked: "Have you ever smoked cigarettes?"

This question is not asked in Waves 2H and 3. From Wave 4 forward, it is asked of new interviewees.

In Wave 2A question asks: "How would you describe yourself; as a current smoker, as a former smoker, or as someone who has never smoked?"

In all waves, except Wave 2A, a question asks: "Do you smoke cigarettes now?"

The answers to these questions are "yes" and "no." In some waves, cigars or pipes are given as coded answers.

In Waves 2H and 3A, this question is asked of everyone. In Wave 3H, this question is usually skipped if the Respondent said "no" to having ever smoked in a previous wave. In Waves 4 to 6, the question is usually skipped if a new interviewee said no to the ever smoked question. It is asked of all new interviewees who ever smoked and all re-interviewees.

From Wave 7 forward, both the ever and now smoking questions are usually skipped if the Respondent had previously stated that they had never smoked.

The questions used to derive R1SMKMCIG and R1SMKCIG have a top coded value of 95 when reports exceeded 95 cigarettes, top coded values are recoded to 95.5 to distinguish them from other discrete amounts.

In Wave 1, age started smoking is not asked. In Waves 2 (1993-1994) and 3 (1995-1996), no smoking history variables are collected; RwSMKSTRT, RwSMKSTOP, RwSMKMCIG, RwSMKSTRTF, RwSMKSTOPF, and RwSMKAGEF are not available for those waves.

In Wave 2A, Respondents could report smoking a pipe or cigars rather than cigarettes; R2SMKCIG is set to .K for these cases.

In Wave 16, HRS first administered the questions about vaping behavior. During this initial administration HRS noted skip related issues for these variables in the 2022 HRS Data documentation. These issues resulted in an unexpected number Respondents having missing values for all vaping related questions. Please consult the HRS 2022 Core Release Data Description for more information.

HRS Variables Used

```
HRS 1992:
    V501            B35:EVER SMOKED     :IMP
    V502            B35A:CURRENTLY SMOKE:IMP
    V503            B35B:#CIGS/DAY - CUR:IMP
    V504            B35C:YRS AGO STOP SM:IMP
    V505            B35D:HIGHEST QUANT S:IMP
AHEAD 1993:
    B298            B19. SMOKER (CURRENT/FORMER/NEVER)
    B299            B19a. # CIGARETTES PER DAY NOW
HRS 1994:
    W452            B40.SMOKE CIGARETTES
    W453            B40a.NUMBER CIGARETTES
    W454            B40a.UNITS
AHEAD 1995:
    D370            W1 INTERV
    D942            B20. SMOKE CIG
    D943            B20A. # CIG-PACKS
    D944            B20B. PACKS
HRS 1996:
    E107            PREV WAVE EVER SMOKED
    E370            PREV WAVE INTERV
    E942            B20. SMOKE CIG
    E943            B20A. SMOKE: NUM CIGS PER DAY
    E944            B20B. SMOKE: NUM PACKS PER DAY
HRS 1998:
    F1266           B20-1. EVER SMOKE
    F1267           B20. SMOKE CIG
    F1268           B20A. # CIG-PACKS
    F1269           B20B. PACKS
    F1271           B20C.WHEN START  SMOKING
    F1272           B20C2.YEAR START SMOKING
    F1273           B20C3.START SMOKING YR AGO
    F1275           B20D. # CIG-PACKS PAST HIGH
    F1276           B20E. PACKS
    F1278           B20E. WHEN STOP SMOKING
    F1279           B20E2.YEAR STOP SMOKING
    F1280           B20E3.STOP SMOKING AGE
    F682            PREVIOUS WAVE INTERV
HRS 2000:
    G1399           B20-1. EVER SMOKE
    G1400           B20.SMOKE CIGARETTES NOW
    G1401           B20A.SMOKE NUMBER OF CIGARETTES-DAY
    G1402           B20B.SMOKE NUMBER OF PACKS-DAY
    G1404           B20C.WHEN START  SMOKING
    G1405           B20C2.YEAR START SMOKING
    G1406           B20C3.START SMOKING YR AGO
    G1408           B20D. # CIG-PACKS PAST HIGH
    G1409           B20E. PACKS
    G1411           B20E1. WHEN STOP SMOKING
    G1412           B20E2.YEAR STOP SMOKING
    G1413           B20E3.STOP SMOKING AGE
    G753            CS22Y30.PREVIOUS WAVE INTERV
HRS 2022:
    SC321           EVER USED E-CIGARETTES
    SC322           EVER VAPED NICOTINE
    SC323           VAPE NICOTINE NOW
    SC324           VAPE OTHER
    SC325           VAPE OTHER NOW
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HRS 2002-2016:
    xC119           NUM PACKS SMOKED PER DAY
    xC124           NUM PACKS PER DAY- WHEN SMOKED MOST
HRS 2002-2022:
    xC116           EVER SMOKE
    xC117           SMOKE CIGARETTES NOW
    xC118           NUM CIGARETTES SMOKED PER DAY
    xC120           AGE START SMOKING
    xC121           YR STARTED SMOKING
    xC122           YRS AGO STARTED SMOKING
    xC123           NUM CIGS PER DAY-  WHEN SMOKED MOST
    xC125           YRS AGO STOP SMOKING
    xC126           YR STOP SMOKING
    xC127           AGE STOP SMOKING
    xZ076           R EVER INTERVIEWED
HRS 2006-2022:
    xZ231           R STARTED SMOKING
    xZ232           R STOPPED SMOKING
```

Physical Measures: Blood Pressure

Wave	Variable	Label	Type
8	R8BPSYS	R8BPSYS:W8 R systolic blood pressure	Cont
9	R9BPSYS	R9BPSYS:W9 R systolic blood pressure	Cont
10	R10BPSYS	R10BPSYS:W10 R systolic blood pressure	Cont
11	R11BPSYS	R11BPSYS:W11 R systolic blood pressure	Cont
12	R12BPSYS	R12BPSYS:W12 R systolic blood pressure	Cont
13	R13BPSYS	R13BPSYS:W13 R systolic blood pressure	Cont
14	R14BPSYS	R14BPSYS:W14 R systolic blood pressure	Cont
16	R16BPSYS	R16BPSYS:W16 R systolic blood pressure	Cont
8	S8BPSYS	S8BPSYS:W8 S systolic blood pressure	Cont
9	S9BPSYS	S9BPSYS:W9 S systolic blood pressure	Cont
10	S10BPSYS	S10BPSYS:W10 S systolic blood pressure	Cont
11	S11BPSYS	S11BPSYS:W11 S systolic blood pressure	Cont
12	S12BPSYS	S12BPSYS:W12 S systolic blood pressure	Cont
13	S13BPSYS	S13BPSYS:W13 S systolic blood pressure	Cont
14	S14BPSYS	S14BPSYS:W14 S systolic blood pressure	Cont
16	S16BPSYS	S16BPSYS:W16 S systolic blood pressure	Cont
8	R8BPDIA	R8BPDIA:W8 R diastolic blood pressure	Cont
9	R9BPDIA	R9BPDIA:W9 R diastolic blood pressure	Cont
10	R10BPDIA	R10BPDIA:W10 R diastolic blood pressure	Cont
11	R11BPDIA	R11BPDIA:W11 R diastolic blood pressure	Cont
12	R12BPDIA	R12BPDIA:W12 R diastolic blood pressure	Cont
13	R13BPDIA	R13BPDIA:W13 R diastolic blood pressure	Cont
14	R14BPDIA	R14BPDIA:W14 R diastolic blood pressure	Cont
16	R16BPDIA	R16BPDIA:W16 R diastolic blood pressure	Cont
8	S8BPDIA	S8BPDIA:W8 S diastolic blood pressure	Cont
9	S9BPDIA	S9BPDIA:W9 S diastolic blood pressure	Cont
10	S10BPDIA	S10BPDIA:W10 S diastolic blood pressure	Cont
11	S11BPDIA	S11BPDIA:W11 S diastolic blood pressure	Cont
12	S12BPDIA	S12BPDIA:W12 S diastolic blood pressure	Cont
13	S13BPDIA	S13BPDIA:W13 S diastolic blood pressure	Cont
14	S14BPDIA	S14BPDIA:W14 S diastolic blood pressure	Cont
16	S16BPDIA	S16BPDIA:W16 S diastolic blood pressure	Cont
8	R8BPPULS	R8BPPULS:W8 R pulse	Cont
9	R9BPPULS	R9BPPULS:W9 R pulse	Cont
10	R10BPPULS	R10BPPULS:W10 R pulse	Cont
11	R11BPPULS	R11BPPULS:W11 R pulse	Cont
12	R12BPPULS	R12BPPULS:W12 R pulse	Cont
13	R13BPPULS	R13BPPULS:W13 R pulse	Cont
14	R14BPPULS	R14BPPULS:W14 R pulse	Cont
16	R16BPPULS	R16BPPULS:W16 R pulse	Cont
8	S8BPPULS	S8BPPULS:W8 S pulse	Cont
9	S9BPPULS	S9BPPULS:W9 S pulse	Cont
10	S10BPPULS	S10BPPULS:W10 S pulse	Cont
11	S11BPPULS	S11BPPULS:W11 S pulse	Cont
12	S12BPPULS	S12BPPULS:W12 S pulse	Cont
13	S13BPPULS	S13BPPULS:W13 S pulse	Cont
14	S14BPPULS	S14BPPULS:W14 S pulse	Cont
16	S16BPPULS	S16BPPULS:W16 S pulse	Cont
8	R8BPPOS	R8BPPOS:W8 R position during BP measures	Categ
9	R9BPPOS	R9BPPOS:W9 R position during BP measures	Categ
10	R10BPPOS	R10BPPOS:W10 R position during BP measures	Categ
11	R11BPPOS	R11BPPOS:W11 R position during BP measures	Categ
12	R12BPPOS	R12BPPOS:W12 R position during BP measures	Categ
13	R13BPPOS	R13BPPOS:W13 R position during BP measures	Categ
14	R14BPPOS	R14BPPOS:W14 R position during BP measures	Categ
16	R16BPPOS	R16BPPOS:W16 R position during BP measures	Categ
8	S8BPPOS	S8BPPOS:W8 S position during BP measures	Categ
9	S9BPPOS	S9BPPOS:W9 S position during BP measures	Categ
10	S10BPPOS	S10BPPOS:W10 S position during BP measures	Categ

11	S11BPPOS	S11BPPOS:W11 S position during BP measures	Categ
12	S12BPPOS	S12BPPOS:W12 S position during BP measures	Categ
13	S13BPPOS	S13BPPOS:W13 S position during BP measures	Categ
14	S14BPPOS	S14BPPOS:W14 S position during BP measures	Categ
16	S16BPPOS	S16BPPOS:W16 S position during BP measures	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8BPSYS	7432	130.78	20.78	68.5	225.0
R9BPSYS	6693	131.10	20.46	72.5	224.0
R10BPSYS	8682	130.65	20.87	73.5	233.0
R11BPSYS	8253	128.74	20.27	64.0	225.5
R12BPSYS	7832	128.48	20.18	62.5	233.5
R13BPSYS	8104	127.43	19.24	71.0	223.5
R14BPSYS	7086	126.88	19.05	60.0	219.5
R16BPSYS	5822	127.65	19.58	64.0	230.0
S8BPSYS	4971	129.72	19.94	72.5	219.0
S9BPSYS	4217	130.14	19.74	72.5	224.0
S10BPSYS	5503	129.65	20.26	76.5	219.0
S11BPSYS	5101	127.69	19.36	64.0	225.5
S12BPSYS	4788	127.50	19.47	71.5	233.0
S13BPSYS	4755	126.53	18.51	71.0	222.5
S14BPSYS	4031	125.96	18.31	60.0	216.0
S16BPSYS	3039	126.69	19.16	64.0	225.0
R8BPDIA	7432	79.23	11.81	41.5	144.0
R9BPDIA	6693	78.96	11.51	42.5	145.0
R10BPDIA	8681	80.23	12.08	44.0	141.5
R11BPDIA	8253	78.72	11.90	41.5	153.0
R12BPDIA	7832	78.02	11.72	39.0	142.0
R13BPDIA	8104	78.16	11.44	39.0	137.5
R14BPDIA	7086	77.37	11.19	44.5	140.0
R16BPDIA	5823	78.08	11.37	39.0	142.5
S8BPDIA	4971	79.15	11.42	44.0	144.0
S9BPDIA	4217	78.96	11.08	42.5	127.5
S10BPDIA	5503	79.97	11.81	44.0	136.5
S11BPDIA	5101	78.39	11.51	41.5	153.0
S12BPDIA	4788	77.89	11.32	44.0	142.0
S13BPDIA	4755	77.81	11.09	45.0	130.0
S14BPDIA	4031	77.12	10.80	44.5	140.0
S16BPDIA	3039	77.44	11.01	39.0	137.0
R8BPPULS	7432	70.64	11.48	34.3	133.0
R9BPPULS	6693	70.35	11.39	36.3	141.0
R10BPPULS	8681	70.25	11.42	36.3	144.0
R11BPPULS	8253	70.39	11.46	36.0	131.7
R12BPPULS	7833	70.30	11.52	1.0	142.0
R13BPPULS	8105	70.97	11.44	1.0	130.0
R14BPPULS	7087	70.13	11.43	8.0	129.7
R16BPPULS	5822	70.18	11.66	32.3	139.7
S8BPPULS	4971	70.28	11.34	34.3	133.0
S9BPPULS	4217	69.98	11.27	36.3	141.0

S10BPPULS	5502	69.81	11.21	36.3	144.0
S11BPPULS	5101	69.91	11.30	37.3	131.7
S12BPPULS	4789	69.94	11.47	1.0	142.0
S13BPPULS	4756	70.43	11.05	35.3	116.3
S14BPPULS	4032	69.74	11.26	8.0	114.0
S16BPPULS	3039	69.44	11.47	39.3	136.3
R8BPPOS	7433	1.99	0.09	1.0	3.0
R9BPPOS	6695	1.99	0.10	1.0	3.0
R10BPPOS	8683	1.99	0.09	1.0	3.0
R11BPPOS	8254	1.99	0.11	1.0	3.0
R12BPPOS	7819	1.99	0.11	1.0	3.0
R13BPPOS	8111	1.99	0.12	1.0	3.0
R14BPPOS	7088	1.99	0.12	1.0	3.0
R16BPPOS	5825	1.99	0.12	1.0	3.0
S8BPPOS	4972	1.99	0.09	1.0	3.0
S9BPPOS	4218	1.99	0.09	1.0	3.0
S10BPPOS	5504	1.99	0.09	1.0	3.0
S11BPPOS	5101	1.99	0.11	1.0	3.0
S12BPPOS	4783	1.99	0.11	1.0	3.0
S13BPPOS	4757	1.99	0.11	1.0	3.0
S14BPPOS	4033	1.98	0.13	1.0	3.0
S16BPPOS	3040	1.99	0.12	1.0	3.0

Categorical Variable Codes

RwBPPOS: R position during BP measures

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.D=DK/NA										
.E=R Did not sign Phys Meas								589	460	738
.M=Other Missing										
.N=R ineligible for Phys Me								1190	893	1394
.R=R refused specific test										
.S=Skip								358	248	397
.X=R reported injury, test										
1.Standing								53	56	65
2.Sitting								7373	6634	8613
3.Lying Down								7	5	5

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	10489	9198	10674	8338		7704
.D=DK/NA	1	1	1			
.E=R Did not sign Phys Meas	442	313	588	524		237
.M=Other Missing		13	1			
.N=R ineligible for Phys Me	1094	1232	1316	967		1565
.R=R refused specific test		60	104	89		53
.S=Skip	274	90	83	112		384
.X=R reported injury, test		21	34	28		19
1.Standing	87	90	98	106		85
2.Sitting	8155	7722	8002	6976		5733
3.Lying Down	12	7	11	6		7

SwBPPOS: S position during BP measures

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.D=DK/NA										
.E=R Did not sign Phys Meas								332	238	393
.M=Other Missing										
.N=R ineligible for Phys Me								704	457	800
.R=R refused specific test										
.S=Skip								196	125	232
.U=Unmarried								6417	6206	7797
.V=Spouse NR								317	365	724
.X=R reported injury, test										
1.Standing								34	29	44
2.Sitting								4933	4187	5458
3.Lying Down								5	2	2

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	6448	5334	6047	4484		3774
.D=DK/NA	1		1			
.E=R Did not sign Phys Meas	225	154	271	241		104
.M=Other Missing		6	1			
.N=R ineligible for Phys Me	575	662	615	490		754
.R=R refused specific test		31	47	43		20
.S=Skip	134	35	32	52		137
.U=Unmarried	7473	7125	8024	6678		6541
.V=Spouse NR	597	610	1109	1110		1406
.X=R reported injury, test		7	8	15		11
1.Standing	54	56	54	66		40
2.Sitting	5040	4724	4701	3965		2996
3.Lying Down	7	3	2	2		4

How Constructed

RwBPSYS summarizes the Respondent's systolic blood pressure measurements taken during the in-home physical measurements portion of the HRS. RwBPDIA summarizes the Respondent's diastolic blood pressure measurements. RwBPPULS summarizes the Respondent's pulse measurements in beats per minute. RwBPPOS describes the Respondent's position during these measurements.

From Wave 8 forward, a subsample of HRS Respondents are selected each wave to complete an enhanced face-to-face interview. Respondents who were not selected in a given wave do not have blood pressure data. RwBPSYS, RwBPDIA, RwBPPULS, and RwBPPOS are set to .A for these Respondents.

Respondents who are selected for an enhanced interview may not be able to actually carry out a face-to-face interview. Respondents who were selected but were living in a nursing home, had a proxy respondent, or had to conduct their interview by telephone do not have physical measurement data. RwBPSYS, RwBPDIA, RwBPULS, and RwBPPOS are set to .N for these Respondents.

Respondents who were selected for an enhanced interview and were able to conduct a face-to-face interview were given a description of the physical tests that they would be asked to carry out. They were then asked to sign a Physical Measures consent form. Respondents who did not sign the Physical Measures consent form do not have physical measurement data. RwBPSYS, RwBPDIA, RwBPPULS, and RwBPPOS are set to .E for these Respondents.

From Wave 12 forward, Respondents who consent to having physical measurements taken are asked a series of questions prior to taking blood pressure measurements. Respondents are asked if their left arm is safe to take blood pressure measures on (no open wounds, rashes, etc.). If it is not, Respondents are asked if their right arm is safe. If neither arm is safe, the blood pressure measurements are skipped. RwBPSYS, RwBPDIA, RwBPPULS, and RwBPPOS are set to .X for these Respondents. Also from Wave 12 forward,

Respondents are asked if they feel safe continuing each section of the measurements. RwBPSYS, RwBPDIA, RwBPPULS, and RwBPPOS are set to .R for Respondents who did not feel safe taking the blood pressure measurements.

Blood pressure and pulse measures are taken three times each. If there are three valid systolic blood pressure measurements, RwBPSYS reports the mean of the second and third measurement. Else if there are one or two valid systolic blood pressure measurements, RwBPSYS reports the mean of all valid measurements. Similarly, if there are three valid diastolic blood pressure measurements, RwBPDIA reports the mean of the second and third measurements. Else if there are one or two valid diastolic blood pressure measurements, RwBPDIA reports the mean of all valid measurements. RwBPULS reports the mean of all valid pulse measurements in beats per minute.

The Respondent's blood pressure measurements may be unsuccessful for several reasons. If the Respondent feels unsafe during the measurement and refuses to proceed, the variable is set to .R. If the Respondent is medically disqualified from the measurement, the variable is set to .X. If the Respondent attempts the measurement but is unable to complete it, the variable is set to .W. If the interviewer is unable to conduct the test due to lack of suitable location or equipment problems, the variable is set to .L. If the Respondent is listed as "DK (Don't Know); NA (Not Ascertained)" in the survey and the corresponding variable has no non-missing values, the variable is set to .D. If all of RwBPSYS, RwBPDIA and RwBPPULS are missing for these reasons, RwBPPOS is set to .S.

If a variable is missing and causes an exit from the blood pressure measurements, variables collected afterwards are set to .S if no measurements were taken.

Variables are set to .M if the raw variable does not have data on the measurements, but none of the previous missing codes apply.

SwBPSYS, SwBPDIA, SwBPPULS, and SwBPPOS contain this information for the Respondent's spouse or partner.

Physical measure variables are not available for Wave 15 because there were no enhanced face-to-face interviews collected that wave.

Cross Wave Differences in Original HRS Data

Physical measurements are first conducted in Wave 8.

From Wave 12 forward, Respondents are asked preliminary safety and consent questions for each set of physical measurements questions (this is in addition to signing the consent form, which happens in every wave). From Wave 12 forward, Respondents are asked if they feel safe continuing to the blood pressure section. Additionally, they are asked if they have any issues with their arms (open wounds, rashes, etc.) that would prevent blood pressure measurements from being taken.

Physical measure variables are not available for Wave 15 because there were no enhanced face-to-face interviews collected that wave.

HRS Variables Used

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HRS 2006:
    KI800           PHYSICAL MEASURES FTF IW
    KI802           PHYSICAL MEASURES CONSENT FORM
    KI855M1         BLOOD PRESSURE NOT COMPLETE-1
    KI859           BLOODPRESSURE 1 SYSTOLIC
    KI860           BLOODPRESSURE 1 DIASTOLIC
    KI861           BLOODPRESSURE 1 PULSE
    KI864           BLOODPRESSURE 2 SYSTOLIC
    KI865           BLOODPRESSURE 2 DIASTOLIC
    KI866           BLOODPRESSURE 2 PULSE
    KI869           BLOODPRESSURE 3 SYSTOLIC
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    KI870           BLOODPRESSURE 3 DIASTOLIC
    KI871           BLOODPRESSURE 3 PULSE
    KI874           BLOODPRESSURE POSITION
    KPMELIG         2006 PHYSICAL MEASURES ELIGIBILITY
HRS 2008:
    LI800           PHYSICAL MEASURES FTF IW
    LI802           PHYSICAL MEASURES CONSENT FORM
    LI855M1         BLOOD PRESSURE NOT COMPLETE-1
    LI859           BLOODPRESSURE 1 SYSTOLIC
    LI860           BLOODPRESSURE 1 DIASTOLIC
    LI861           BLOODPRESSURE 1 PULSE
    LI864           BLOODPRESSURE 2 SYSTOLIC
    LI865           BLOODPRESSURE 2 DIASTOLIC
    LI866           BLOODPRESSURE 2 PULSE
    LI869           BLOODPRESSURE 3 SYSTOLIC
    LI870           BLOODPRESSURE 3 DIASTOLIC
    LI871           BLOODPRESSURE 3 PULSE
    LI874           BLOODPRESSURE POSITION
    LPMELIG         2008 PHYSICAL MEASURES ELIGIBILITY
HRS 2010:
    MI800           PHYSICAL MEASURES FTF IW
    MI802           PHYSICAL MEASURES CONSENT
    MI855M1         BLOOD PRESSURE NOT COMPLETE-1
    MI859           BLOODPRESSURE 1 SYSTOLIC
    MI860           BLOODPRESSURE 1 DIASTOLIC
    MI861           BLOODPRESSURE 1 PULSE
    MI864           BLOODPRESSURE 2 SYSTOLIC
    MI865           BLOODPRESSURE 2 DIASTOLIC
    MI866           BLOODPRESSURE 2 PULSE
    MI869           BLOODPRESSURE 3 SYSTOLIC
    MI870           BLOODPRESSURE 3 DIASTOLIC
    MI871           BLOODPRESSURE 3 PULSE
    MI874           BLOODPRESSURE POSITION
    MPMELIG         2010 PHYSICAL MEASURES ELIGIBILITY
HRS 2012:
    NI800           PHYSICAL MEASURES FTF IW
    NI802           PHYSICAL MEASURES CONSENT
    NI855M1         BLOOD PRESSURE NOT COMPLETE-1
    NI859           BLOODPRESSURE 1 SYSTOLIC
    NI860           BLOODPRESSURE 1 DIASTOLIC
    NI861           BLOODPRESSURE 1 PULSE
    NI864           BLOODPRESSURE 2 SYSTOLIC
    NI865           BLOODPRESSURE 2 DIASTOLIC
    NI866           BLOODPRESSURE 2 PULSE
    NI869           BLOODPRESSURE 3 SYSTOLIC
    NI870           BLOODPRESSURE 3 DIASTOLIC
    NI871           BLOODPRESSURE 3 PULSE
    NI874           BLOODPRESSURE POSITION
    NPMELIG         2012 PHYSICAL MEASURES ELIGIBILITY
HRS 2014:
    OI800           PHYSICAL MEASURES FTF IW
    OI802           PHYSICAL MEASURES CONSENT
    OI855M1         BLOOD PRESSURE NOT COMPLETE-1
    OI859           BLOODPRESSURE 1 SYSTOLIC
    OI860           BLOODPRESSURE 1 DIASTOLIC
    OI861           BLOODPRESSURE 1 PULSE
    OI864           BLOODPRESSURE 2 SYSTOLIC
    OI865           BLOODPRESSURE 2 DIASTOLIC
    OI866           BLOODPRESSURE 2 PULSE
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    OI869           BLOODPRESSURE 3 SYSTOLIC
    OI870           BLOODPRESSURE 3 DIASTOLIC
    OI871           BLOODPRESSURE 3 PULSE
    OI874           BLOODPRESSURE POSITION
    OPMELIG         2014 PHYSICAL MEASURES ELIGIBILITY
HRS 2014:
    OI662           BP SCREENING QUESTION, LEFT ARM
    OI663           BP SCREENING QUESTION, RIGHT ARM
    OI961           R UNDERSTANDING OF BP PROCEDURE & SAFETY
HRS 2016:
    PI800           PHYSICAL MEASURES FTF IW
    PI802           PHYSICAL MEASURES CONSENT
    PI855M1         BLOOD PRESSURE NOT COMPLETE-1
    PI859           BLOODPRESSURE 1 SYSTOLIC
    PI860           BLOODPRESSURE 1 DIASTOLIC
    PI861           BLOODPRESSURE 1 PULSE
    PI864           BLOODPRESSURE 2 SYSTOLIC
    PI865           BLOODPRESSURE 2 DIASTOLIC
    PI866           BLOODPRESSURE 2 PULSE
    PI869           BLOODPRESSURE 3 SYSTOLIC
    PI870           BLOODPRESSURE 3 DIASTOLIC
    PI871           BLOODPRESSURE 3 PULSE
    PI874           BLOODPRESSURE POSITION
    PPMELIG         2016 PHYSICAL MEASURES ELIGIBILITY
HRS 2016:
    PI662           BP SCREENING QUESTION, LEFT ARM
    PI663           BP SCREENING QUESTION, RIGHT ARM
    PI961           R UNDERSTANDING OF BP PROCEDURE & SAFETY
HRS 2018:
    QI800           PHYSICAL MEASURES FTF IW
    QI802           PHYSICAL MEASURES CONSENT
    QI855M1         BLOOD PRESSURE NOT COMPLETE-1
    QI859           BLOODPRESSURE 1 SYSTOLIC
    QI860           BLOODPRESSURE 1 DIASTOLIC
    QI861           BLOODPRESSURE 1 PULSE
    QI864           BLOODPRESSURE 2 SYSTOLIC
    QI865           BLOODPRESSURE 2 DIASTOLIC
    QI866           BLOODPRESSURE 2 PULSE
    QI869           BLOODPRESSURE 3 SYSTOLIC
    QI870           BLOODPRESSURE 3 DIASTOLIC
    QI871           BLOODPRESSURE 3 PULSE
    QI874           BLOODPRESSURE POSITION
    QPMELIG         2018 PHYSICAL MEASURES ELIGIBILITY
HRS 2018:
    QI662           BP SCREENING QUESTION, LEFT ARM
    QI663           BP SCREENING QUESTION, RIGHT ARM
    QI961           R UNDERSTANDING OF BP PROCEDURE & SAFETY
HRS 2022:
    SI800           PHYSICAL MEASURES FTF IW
    SI802           PHYSICAL MEASURES CONSENT
    SI855M1         BLOOD PRESSURE NOT COMPLETE-1
    SI859           BLOODPRESSURE 1 SYSTOLIC
    SI860           BLOODPRESSURE 1 DIASTOLIC
    SI861           BLOODPRESSURE 1 PULSE
    SI864           BLOODPRESSURE 2 SYSTOLIC
    SI865           BLOODPRESSURE 2 DIASTOLIC
    SI866           BLOODPRESSURE 2 PULSE
    SI869           BLOODPRESSURE 3 SYSTOLIC
    SI870           BLOODPRESSURE 3 DIASTOLIC
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    SI871           BLOODPRESSURE 3 PULSE
    SI874           BLOODPRESSURE POSITION
    SPMELIG         2022 PHYSICAL MEASURES ELIGIBILITY
HRS 2022:
    SI662           BP SCREENING QUESTION, LEFT ARM
    SI663           BP SCREENING QUESTION, RIGHT ARM
    SI961           R UNDERSTANDING OF BP PROCEDURE & SAFETY
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Physical Measures: Breathing Test

Wave	Variable	Label	Type
8	R8PUFF	R8PUFF:W8 R breathing test	Cont
9	R9PUFF	R9PUFF:W9 R breathing test	Cont
10	R10PUFF	R10PUFF:W10 R breathing test	Cont
11	R11PUFF	R11PUFF:W11 R breathing test	Cont
12	R12PUFF	R12PUFF:W12 R breathing test	Cont
13	R13PUFF	R13PUFF:W13 R breathing test	Cont
14	R14PUFF	R14PUFF:W14 R breathing test	Cont
16	R16PUFF	R16PUFF:W16 R breathing test	Cont
8	S8PUFF	S8PUFF:W8 S breathing test	Cont
9	S9PUFF	S9PUFF:W9 S breathing test	Cont
10	S10PUFF	S10PUFF:W10 S breathing test	Cont
11	S11PUFF	S11PUFF:W11 S breathing test	Cont
12	S12PUFF	S12PUFF:W12 S breathing test	Cont
13	S13PUFF	S13PUFF:W13 S breathing test	Cont
14	S14PUFF	S14PUFF:W14 S breathing test	Cont
16	S16PUFF	S16PUFF:W16 S breathing test	Cont
8	R8PUFFPOS	R8PUFFPOS:W8 R pos during breathing tests	Categ
9	R9PUFFPOS	R9PUFFPOS:W9 R pos during breathing tests	Categ
10	R10PUFFPOS	R10PUFFPOS:W10 R pos during breathing tests	Categ
11	R11PUFFPOS	R11PUFFPOS:W11 R pos during breathing tests	Categ
12	R12PUFFPOS	R12PUFFPOS:W12 R pos during breathing tests	Categ
13	R13PUFFPOS	R13PUFFPOS:W13 R pos during breathing tests	Categ
14	R14PUFFPOS	R14PUFFPOS:W14 R pos during breathing tests	Categ
16	R16PUFFPOS	R16PUFFPOS:W16 R pos during breathing tests	Categ
8	S8PUFFPOS	S8PUFFPOS:W8 S pos during breathing tests	Categ
9	S9PUFFPOS	S9PUFFPOS:W9 S pos during breathing tests	Categ
10	S10PUFFPOS	S10PUFFPOS:W10 S pos during breathing tests	Categ
11	S11PUFFPOS	S11PUFFPOS:W11 S pos during breathing tests	Categ
12	S12PUFFPOS	S12PUFFPOS:W12 S pos during breathing tests	Categ
13	S13PUFFPOS	S13PUFFPOS:W13 S pos during breathing tests	Categ
14	S14PUFFPOS	S14PUFFPOS:W14 S pos during breathing tests	Categ
16	S16PUFFPOS	S16PUFFPOS:W16 S pos during breathing tests	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8PUFF	7433	358.18	132.77	30.0	870.0
R9PUFF	6705	352.89	132.63	9.0	856.0
R10PUFF	8791	375.88	135.97	20.0	870.0
R11PUFF	8296	372.55	135.05	0.0	860.0
R12PUFF	7870	372.82	133.21	10.0	850.0
R13PUFF	8146	371.87	141.13	0.0	850.0
R14PUFF	7099	367.00	131.74	30.0	850.0
R16PUFF	5825	359.05	135.00	30.0	850.0
S8PUFF	4979	382.79	131.08	30.0	870.0
S9PUFF	4220	380.24	131.66	70.0	856.0
S10PUFF	5569	398.30	132.95	30.0	870.0
S11PUFF	5136	398.36	134.51	30.0	860.0
S12PUFF	4810	397.47	130.33	10.0	850.0
S13PUFF	4759	397.26	137.89	30.0	850.0
S14PUFF	4037	391.97	130.35	30.0	850.0
S16PUFF	3043	382.16	133.80	60.0	850.0

R8PUFFPOS	7438	1.07	0.26	1.0	3.0
R9PUFFPOS	6709	1.05	0.22	1.0	3.0
R10PUFFPOS	8795	1.03	0.17	1.0	3.0
R11PUFFPOS	8299	1.05	0.23	1.0	3.0
R12PUFFPOS	7873	1.05	0.22	1.0	3.0
R13PUFFPOS	8146	1.04	0.21	1.0	3.0
R14PUFFPOS	7103	1.04	0.20	1.0	3.0
R16PUFFPOS	5827	1.04	0.20	1.0	3.0
S8PUFFPOS	4981	1.06	0.24	1.0	3.0
S9PUFFPOS	4223	1.04	0.20	1.0	3.0
S10PUFFPOS	5571	1.02	0.15	1.0	3.0
S11PUFFPOS	5138	1.04	0.20	1.0	3.0
S12PUFFPOS	4811	1.04	0.19	1.0	3.0
S13PUFFPOS	4759	1.03	0.18	1.0	3.0
S14PUFFPOS	4038	1.03	0.18	1.0	3.0
S16PUFFPOS	3043	1.03	0.18	1.0	3.0

Categorical Variable Codes

RwPUFFPOS: R pos during breathing tests

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.E=R Did not sign Phys Meas								589	460	737
.M=Other Missing								1	1	
.N=R ineligible for Phys Me								1190	893	1394
.R=R refused specific test										
.S=Skip								352	233	286
1.Standing								6895	6371	8527
2.Sitting								539	332	265
3.Lying Down								4	6	3

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	10489	9198	10674	8338		7704
.E=R Did not sign Phys Meas	442	313	588	524		237
.M=Other Missing	1		1	1		
.N=R ineligible for Phys Me	1094	1232	1315	968		1567
.R=R refused specific test		117	160	160		107
.S=Skip	229	14	28	52		345
1.Standing	7870	7501	7816	6804		5601
2.Sitting	422	366	320	295		223
3.Lying Down	7	6	10	4		3

SwPUFFPOS: S pos during breathing tests

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.E=R Did not sign Phys Meas								332	238	393
.M=Other Missing										
.N=R ineligible for Phys Me								704	457	800
.R=R refused specific test										
.S=Skip								187	120	165
.U=Unmarried								6417	6206	7797
.V=Spouse NR								317	365	724
1.Standing								4676	4065	5439
2.Sitting								302	155	131
3.Lying Down								3	3	1

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	6448	5334	6047	4484		3774
.E=R Did not sign Phys Meas	225	154	271	241		104
.M=Other Missing				1		
.N=R ineligible for Phys Me	575	662	615	491		753
.R=R refused specific test		48	80	83		52
.S=Skip	98	3	7	20		114
.U=Unmarried	7473	7125	8024	6678		6541
.V=Spouse NR	597	610	1109	1110		1406
1.Standing	4940	4638	4614	3905		2954
2.Sitting	194	171	142	132		86
3.Lying Down	4	2	3	1		3

How Constructed

RwPUFF summarizes the Respondent's performance on breathing test measurements taken during the in-home physical measurements portion of the HRS. The breathing test is measured in liters per minute. RwPUFFPOS describes the Respondent's position during these measurements.

The breathing test measurements are taken three times. RwPUFF takes the maximum of all non-missing breathing test measurements for the Respondent.

From Wave 8 forward, a subsample of HRS Respondents are selected each wave to complete an enhanced face-to-face interview. Respondents who were not selected in a given wave do not have breathing test data. RwPUFF and RwPUFFPOS are set to .A for these Respondents.

Respondents who are selected for an enhanced interview may not be able to actually carry out a face-to-face interview. Respondents who were selected but were living in a nursing home, had a proxy respondent, or had to conduct their interview by telephone do not have physical measurement data. RwPUFF and RwPUFFPOS are set to .N for these Respondents.

Respondents who were selected for an enhanced interview and were able to conduct a face-to-face interview were given a description of the physical tests that they would be asked to carry out. They were then asked to sign a Physical Measures consent form. Respondents who did not sign the Physical Measures consent form do not have physical measurement data. RwPUFF and RwPUFFPOS are set to .E for these Respondents.

From Wave 12 forward, Respondents who consent to having physical measurements taken are asked if they feel safe continuing each section of the measurements. RwPUFF and RwPUFFPOS are set to .R for Respondents who did not feel safe taking the breathing test measurements.

Respondents who were otherwise willing to take physical measurements may not have data for breathing test measurements due to space or equipment issues. If there was not a suitable location to carry out the breathing test measurements or there was problems with equipment or supplies, the breathing test measurements are skipped. RwPUFF is set to .L for these Respondents.

The Respondent's breathing test measurements may be unsuccessful for several reasons. If the Respondent feels unsafe during the measurement and refuses to proceed, the variable is set to .R. If the Respondent is medically disqualified from the measurement, the variable is set to .X. If the Respondent attempts the measurement but is unable to complete it, the variable is set to .W. If the interviewer is unable to conduct the test due to lack of suitable location or equipment problems, the variable is set to .L. If the Respondent is listed as "DK (Don't Know); NA (Not Ascertained)" in the survey and the corresponding variable has no non-missing values, the variable is set to .D. If RwPUFF is missing for these reasons, RwPUFFPOS is set to .S.

If a variable is missing and causes an exit from the breathing test measurements, variables collected afterwards are set to .S if no measurements were taken. Variables are set to .M if the raw variable does not have data on the measurements, but none of the previous missing codes apply.

SwPUFF and SwPUFFPOS contain this information for the Respondent's spouse or partner.

Physical measure variables are not available for Wave 15 because there were no enhanced face-to-face interviews collected that wave.

Cross Wave Differences in Original HRS Data

Physical measurements are first conducted in Wave 8.

There are some changes to the way missing codes are handled in the survey. From Wave 12 forward, Respondents are asked preliminary safety and consent questions for each set of physical measurements questions (this is in addition to signing the consent form, which happens in every wave). From Wave 12 forward, Respondents are asked if they feel safe continuing to the breathing test section.

Physical measure variables are not available for Wave 15 because there were no enhanced face-to-face interviews collected that wave.

HRS Variables Used

```
HRS 2006:
    KI800           PHYSICAL MEASURES FTF IW
    KI802           PHYSICAL MEASURES CONSENT FORM
    KI805M1         BREATH TEST REASON NOT COMPLETE-1
    KI807           PUFF TEST 1
    KI808           PUFF TEST 2
    KI809           PUFF TEST 3
    KI811           BREATHING TEST R POSITION
    KPMELIG         2006 PHYSICAL MEASURES ELIGIBILITY
HRS 2008:
    LI800           PHYSICAL MEASURES FTF IW
    LI802           PHYSICAL MEASURES CONSENT FORM
    LI805M1         BREATH TEST REASON NOT COMPLETE -1
    LI807           PUFF TEST 1
    LI808           PUFF TEST 2
    LI809           PUFF TEST 3
    LI811           BREATHING TEST R POSITION
    LPMELIG         2008 PHYSICAL MEASURES ELIGIBILITY
HRS 2010:
    MI800           PHYSICAL MEASURES FTF IW
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    MI802           PHYSICAL MEASURES CONSENT
    MI805M1         BREATH TEST REASON NOT COMPLETE -1
    MI807           PUFF TEST 1
    MI808           PUFF TEST 2
    MI809           PUFF TEST 3
    MI811           BREATHING TEST R POSITION
    MPMELIG         2010 PHYSICAL MEASURES ELIGIBILITY
HRS 2012:
    NI800           PHYSICAL MEASURES FTF IW
    NI802           PHYSICAL MEASURES CONSENT
    NI805M1         BREATH TEST REASON NOT COMPLETE -1
    NI807           PUFF TEST 1
    NI808           PUFF TEST 2
    NI809           PUFF TEST 3
    NI811           BREATHING TEST R POSITION
    NPMELIG         2012 PHYSICAL MEASURES ELIGIBILITY
HRS 2014:
    OI800           PHYSICAL MEASURES FTF IW
    OI802           PHYSICAL MEASURES CONSENT
    OI805M1         BREATH TEST REASON NOT COMPLETE -1
    OI807           PUFF TEST 1
    OI808           PUFF TEST 2
    OI809           PUFF TEST 3
    OI811           BREATHING TEST R POSITION
    OPMELIG         2014 PHYSICAL MEASURES ELIGIBILITY
HRS 2014:
    OI964           BREATHING TEST SAFETY QUESTION
HRS 2016:
    PI800           PHYSICAL MEASURES FTF IW
    PI802           PHYSICAL MEASURES CONSENT
    PI805M1         BREATH TEST REASON NOT COMPLETE -1
    PI807           PUFF TEST 1
    PI808           PUFF TEST 2
    PI809           PUFF TEST 3
    PI811           BREATHING TEST R POSITION
    PPMELIG         2016 PHYSICAL MEASURES ELIGIBILITY
HRS 2016:
    PI964           BREATHING TEST SAFETY QUESTION
HRS 2018:
    QI800           PHYSICAL MEASURES FTF IW
    QI802           PHYSICAL MEASURES CONSENT
    QI805M1         BREATH TEST REASON NOT COMPLETE -1
    QI807           PUFF TEST 1
    QI808           PUFF TEST 2
    QI809           PUFF TEST 3
    QI811           BREATHING TEST R POSITION
    QPMELIG         2018 PHYSICAL MEASURES ELIGIBILITY
HRS 2018:
    QI964           BREATHING TEST SAFETY QUESTION
HRS 2022:
    SI800           PHYSICAL MEASURES FTF IW
    SI802           PHYSICAL MEASURES CONSENT
    SI805M1         BREATH TEST REASON NOT COMPLETE -1
    SI807           PUFF TEST 1
    SI808           PUFF TEST 2
    SI809           PUFF TEST 3
    SI811           BREATHING TEST R POSITION
    SPMELIG         2022 PHYSICAL MEASURES ELIGIBILITY
HRS 2022:
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SI964 BREATHING TEST SAFETY QUESTION

Physical Measures: Grip Strength

Wave	Variable	Label	Type
8	R8GRP	R8GRP:W8 R hand grip strength max msrmnt	Cont
9	R9GRP	R9GRP:W9 R hand grip strength max msrmnt	Cont
10	R10GRP	R10GRP:W10 R hand grip strength max msrmnt	Cont
11	R11GRP	R11GRP:W11 R hand grip strength max msrmnt	Cont
12	R12GRP	R12GRP:W12 R hand grip strength max msrmnt	Cont
13	R13GRP	R13GRP:W13 R hand grip strength max msrmnt	Cont
14	R14GRP	R14GRP:W14 R hand grip strength max msrmnt	Cont
16	R16GRP	R16GRP:W16 R hand grip strength max msrmnt	Cont
8	S8GRP	S8GRP:W8 S hand grip strength max msrmnt	Cont
9	S9GRP	S9GRP:W9 S hand grip strength max msrmnt	Cont
10	S10GRP	S10GRP:W10 S hand grip strength max msrmnt	Cont
11	S11GRP	S11GRP:W11 S hand grip strength max msrmnt	Cont
12	S12GRP	S12GRP:W12 S hand grip strength max msrmnt	Cont
13	S13GRP	S13GRP:W13 S hand grip strength max msrmnt	Cont
14	S14GRP	S14GRP:W14 S hand grip strength max msrmnt	Cont
16	S16GRP	S16GRP:W16 S hand grip strength max msrmnt	Cont
8	R8GRPDOM	R8GRPDOM:W8 R dominant hand	Categ
9	R9GRPDOM	R9GRPDOM:W9 R dominant hand	Categ
10	R10GRPDOM	R10GRPDOM:W10 R dominant hand	Categ
11	R11GRPDOM	R11GRPDOM:W11 R dominant hand	Categ
12	R12GRPDOM	R12GRPDOM:W12 R dominant hand	Categ
13	R13GRPDOM	R13GRPDOM:W13 R dominant hand	Categ
14	R14GRPDOM	R14GRPDOM:W14 R dominant hand	Categ
16	R16GRPDOM	R16GRPDOM:W16 R dominant hand	Categ
8	S8GRPDOM	S8GRPDOM:W8 S dominant hand	Categ
9	S9GRPDOM	S9GRPDOM:W9 S dominant hand	Categ
10	S10GRPDOM	S10GRPDOM:W10 S dominant hand	Categ
11	S11GRPDOM	S11GRPDOM:W11 S dominant hand	Categ
12	S12GRPDOM	S12GRPDOM:W12 S dominant hand	Categ
13	S13GRPDOM	S13GRPDOM:W13 S dominant hand	Categ
14	S14GRPDOM	S14GRPDOM:W14 S dominant hand	Categ
16	S16GRPDOM	S16GRPDOM:W16 S dominant hand	Categ
8	R8GRPL	R8GRPL:W8 R hand grip strength-Left hand	Cont
9	R9GRPL	R9GRPL:W9 R hand grip strength-Left hand	Cont
10	R10GRPL	R10GRPL:W10 R hand grip strength-Left hand	Cont
11	R11GRPL	R11GRPL:W11 R hand grip strength-Left hand	Cont
12	R12GRPL	R12GRPL:W12 R hand grip strength-Left hand	Cont
13	R13GRPL	R13GRPL:W13 R hand grip strength-Left hand	Cont
14	R14GRPL	R14GRPL:W14 R hand grip strength-Left hand	Cont
16	R16GRPL	R16GRPL:W16 R hand grip strength-Left hand	Cont
8	S8GRPL	S8GRPL:W8 S hand grip strength-Left hand	Cont
9	S9GRPL	S9GRPL:W9 S hand grip strength-Left hand	Cont
10	S10GRPL	S10GRPL:W10 S hand grip strength-Left hand	Cont
11	S11GRPL	S11GRPL:W11 S hand grip strength-Left hand	Cont
12	S12GRPL	S12GRPL:W12 S hand grip strength-Left hand	Cont
13	S13GRPL	S13GRPL:W13 S hand grip strength-Left hand	Cont
14	S14GRPL	S14GRPL:W14 S hand grip strength-Left hand	Cont
16	S16GRPL	S16GRPL:W16 S hand grip strength-Left hand	Cont
8	R8GRPR	R8GRPR:W8 R hand grip strength-Right hand	Cont
9	R9GRPR	R9GRPR:W9 R hand grip strength-Right hand	Cont
10	R10GRPR	R10GRPR:W10 R hand grip strength-Right hand	Cont
11	R11GRPR	R11GRPR:W11 R hand grip strength-Right hand	Cont
12	R12GRPR	R12GRPR:W12 R hand grip strength-Right hand	Cont
13	R13GRPR	R13GRPR:W13 R hand grip strength-Right hand	Cont
14	R14GRPR	R14GRPR:W14 R hand grip strength-Right hand	Cont
16	R16GRPR	R16GRPR:W16 R hand grip strength-Right hand	Cont
8	S8GRPR	S8GRPR:W8 S hand grip strength-Right hand	Cont
9	S9GRPR	S9GRPR:W9 S hand grip strength-Right hand	Cont
10	S10GRPR	S10GRPR:W10 S hand grip strength-Right hand	Cont

11	S11GRPR	S11GRPR:W11 S hand grip strength-Right hand	Cont
12	S12GRPR	S12GRPR:W12 S hand grip strength-Right hand	Cont
13	S13GRPR	S13GRPR:W13 S hand grip strength-Right hand	Cont
14	S14GRPR	S14GRPR:W14 S hand grip strength-Right hand	Cont
16	S16GRPR	S16GRPR:W16 S hand grip strength-Right hand	Cont
8	R8GRPPOS	R8GRPPOS:W8 R pos during grip strength tests	Categ
9	R9GRPPOS	R9GRPPOS:W9 R pos during grip strength tests	Categ
10	R10GRPPOS	R10GRPPOS:W10 R pos during grip strength tests	Categ
11	R11GRPPOS	R11GRPPOS:W11 R pos during grip strength tests	Categ
12	R12GRPPOS	R12GRPPOS:W12 R pos during grip strength tests	Categ
13	R13GRPPOS	R13GRPPOS:W13 R pos during grip strength tests	Categ
14	R14GRPPOS	R14GRPPOS:W14 R pos during grip strength tests	Categ
16	R16GRPPOS	R16GRPPOS:W16 R pos during grip strength tests	Categ
8	S8GRPPOS	S8GRPPOS:W8 S pos during grip strength tests	Categ
9	S9GRPPOS	S9GRPPOS:W9 S pos during grip strength tests	Categ
10	S10GRPPOS	S10GRPPOS:W10 S pos during grip strength tests	Categ
11	S11GRPPOS	S11GRPPOS:W11 S pos during grip strength tests	Categ
12	S12GRPPOS	S12GRPPOS:W12 S pos during grip strength tests	Categ
13	S13GRPPOS	S13GRPPOS:W13 S pos during grip strength tests	Categ
14	S14GRPPOS	S14GRPPOS:W14 S pos during grip strength tests	Categ
16	S16GRPPOS	S16GRPPOS:W16 S pos during grip strength tests	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8GRP	7405	32.03	11.30	0.5	100.0
R9GRP	6691	30.73	11.02	2.0	100.0
R10GRP	8689	32.19	11.24	0.8	100.0
R11GRP	8179	31.22	11.05	0.0	75.5
R12GRP	7704	30.54	10.97	0.5	185.0
R13GRP	7972	30.88	11.07	0.0	100.0
R14GRP	6951	30.44	11.86	4.0	195.0
R16GRP	5711	29.97	10.69	0.0	190.0
S8GRP	4980	34.07	11.31	0.5	100.0
S9GRP	4214	33.01	11.09	3.0	100.0
S10GRP	5521	33.99	11.16	3.7	100.0
S11GRP	5083	33.08	11.11	5.0	74.0
S12GRP	4715	32.40	10.93	0.5	185.0
S13GRP	4674	32.66	11.03	0.0	100.0
S14GRP	3967	32.29	12.17	8.5	195.0
S16GRP	2992	31.57	10.87	4.5	190.0
R8GRPDOM	7408	1.11	0.37	1.0	3.0
R9GRPDOM	6692	1.12	0.38	1.0	3.0
R10GRPDOM	8689	1.12	0.37	1.0	3.0
R11GRPDOM	8180	1.12	0.36	1.0	3.0
R12GRPDOM	7728	1.12	0.37	1.0	3.0
R13GRPDOM	7992	1.13	0.38	1.0	3.0
R14GRPDOM	6980	1.12	0.37	1.0	3.0
R16GRPDOM	5723	1.13	0.37	1.0	3.0
S8GRPDOM	4982	1.11	0.36	1.0	3.0
S9GRPDOM	4216	1.13	0.39	1.0	3.0
S10GRPDOM	5522	1.11	0.36	1.0	3.0
S11GRPDOM	5082	1.12	0.36	1.0	3.0
S12GRPDOM	4732	1.12	0.37	1.0	3.0
S13GRPDOM	4682	1.13	0.38	1.0	3.0

S14GRPDOM	3989	1.12	0.36	1.0	3.0
S16GRPDOM	2997	1.11	0.35	1.0	3.0
R8GRPL	7268	29.18	11.00	0.5	74.5
R9GRPL	6561	27.61	10.51	0.0	85.0
R10GRPL	8535	29.07	10.77	0.0	100.0
R11GRPL	8013	28.08	10.64	0.0	74.0
R12GRPL	7493	27.60	10.36	0.0	185.0
R13GRPL	7773	27.82	10.55	0.0	100.0
R14GRPL	6761	27.44	11.29	2.0	195.0
R16GRPL	5533	27.02	10.13	0.0	190.0
S8GRPL	4913	31.04	11.05	0.5	74.5
S9GRPL	4135	29.73	10.61	0.0	85.0
S10GRPL	5434	30.71	10.70	0.0	100.0
S11GRPL	4996	29.78	10.72	0.0	74.0
S12GRPL	4608	29.34	10.42	0.5	185.0
S13GRPL	4571	29.42	10.55	0.0	100.0
S14GRPL	3871	29.10	11.43	3.0	195.0
S16GRPL	2905	28.47	10.29	0.0	190.0
R8GRPR	7264	31.42	11.27	0.5	100.0
R9GRPR	6572	30.15	11.17	0.0	100.0
R10GRPR	8490	31.68	11.37	0.0	100.0
R11GRPR	7992	30.68	11.21	0.0	75.5
R12GRPR	7441	30.07	10.99	0.0	180.5
R13GRPR	7721	30.40	11.14	0.0	100.0
R14GRPR	6740	29.87	11.12	0.0	195.0
R16GRPR	5516	29.52	10.52	0.0	100.0
S8GRPR	4907	33.42	11.30	0.5	100.0
S9GRPR	4157	32.40	11.20	0.0	100.0
S10GRPR	5423	33.43	11.31	0.0	100.0
S11GRPR	4974	32.55	11.27	0.0	71.0
S12GRPR	4573	31.87	10.96	0.0	155.0
S13GRPR	4547	32.16	11.07	0.0	100.0
S14GRPR	3856	31.71	11.42	5.0	195.0
S16GRPR	2898	31.13	10.51	3.5	67.0
R8GRPPOS	7408	1.05	0.22	1.0	3.0
R9GRPPOS	6695	1.04	0.21	1.0	3.0
R10GRPPOS	8690	1.03	0.16	1.0	3.0
R11GRPPOS	8183	1.05	0.21	1.0	3.0
R12GRPPOS	7702	1.05	0.22	1.0	3.0
R13GRPPOS	7970	1.06	0.23	1.0	3.0
R14GRPPOS	6966	1.05	0.22	1.0	3.0
R16GRPPOS	5711	1.07	0.26	1.0	3.0
S8GRPPOS	4982	1.04	0.20	1.0	3.0
S9GRPPOS	4217	1.03	0.17	1.0	3.0
S10GRPPOS	5522	1.02	0.14	1.0	2.0
S11GRPPOS	5084	1.03	0.19	1.0	3.0
S12GRPPOS	4714	1.04	0.19	1.0	3.0
S13GRPPOS	4673	1.05	0.21	1.0	3.0
S14GRPPOS	3981	1.04	0.19	1.0	3.0
S16GRPPOS	2992	1.06	0.24	1.0	3.0

Categorical Variable Codes

RwGRPDOM: R dominant hand

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.D=DK/NA								4	3	3
.E=R Did not sign Phys Meas								589	460	737
.J=Web interview, missing								3	1	7
.L=Unsuitable Location/Eqpt								8	11	27
.M=Other Missing								11	17	104
.N=R ineligible for Phys Me								1191	893	1394
.R=R refused specific test								213	112	85
.W=R Unable to perform spec								8	4	5
.X=R reported injury, test								135	103	161
1.Right Hand								6711	6012	7791
2.Left Hand								563	545	763
3.Both Hands Equally Domina								134	135	135

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	10489	9198	10674	8338		7704
.D=DK/NA	4		2	1		
.E=R Did not sign Phys Meas	442	313	588	524		237
.J=Web interview, missing	2	2	3	5		11
.L=Unsuitable Location/Eqpt	8	1	13	5		7
.M=Other Missing	18	7	16	33		322
.N=R ineligible for Phys Me	1094	1232	1315	969		1568
.R=R refused specific test	131	88	122	125		78
.W=R Unable to perform spec	7	5	5	2		1
.X=R reported injury, test	179	173	182	164		136
1.Right Hand	7341	6883	7092	6221		5082
2.Left Hand	719	728	771	664		565
3.Both Hands Equally Domina	120	117	129	95		76

SwGRPDOM: S dominant hand

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.D=DK/NA								2	1	1
.E=R Did not sign Phys Meas								332	238	393
.J=Web interview, missing								2		6
.L=Unsuitable Location/Eqpt								1	8	19
.M=Other Missing								4	6	60
.N=R ineligible for Phys Me								705	457	800
.R=R refused specific test								111	62	41
.U=Unmarried								6417	6206	7797
.V=Spouse NR								317	365	724
.W=R Unable to perform spec									3	1
.X=R reported injury, test								65	47	86
1.Right Hand								4533	3766	4970
2.Left Hand								365	366	471
3.Both Hands Equally Domina								84	84	81

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	6448	5334	6047	4484		3774
.D=DK/NA	2			1		
.E=R Did not sign Phys Meas	225	154	271	241		104
.J=Web interview, missing	1	2	1	2		6
.L=Unsuitable Location/Eqpt	5	1	9	1		1
.M=Other Missing	3	1	4	10		112

.N=R ineligible for Phys Me	575	662	615	492	755
.R=R refused specific test	56	43	60	63	31
.U=Unmarried	7473	7125	8024	6678	6541
.V=Spouse NR	597	610	1109	1110	1406
.W=R Unable to perform spec	1	3	1	1	
.X=R reported injury, test	86	80	89	74	60
1.Right Hand	4555	4225	4158	3573	2685
2.Left Hand	460	434	450	367	282
3.Both Hands Equally Domina	67	73	74	49	30

RwGRPPOS: R pos during grip strength tests

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.E=R Did not sign Phys Meas								589	460	737
.M=Other Missing										
.N=R ineligible for Phys Me								1191	893	1394
.R=R refused specific test										
.S=Skip								382	248	391
.X=R reported injury, test										
1.Standing								7027	6411	8458
2.Sitting								378	280	230
3.Lying Down								3	4	2

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	10489	9198	10674	8338		7704
.E=R Did not sign Phys Meas	442	313	588	524		237
.M=Other Missing		2	1			
.N=R ineligible for Phys Me	1094	1232	1315	969		1568
.R=R refused specific test		53	102	73		56
.S=Skip	346	31	37	47		334
.X=R reported injury, test		216	225	229		177
1.Standing	7818	7329	7542	6609		5305
2.Sitting	357	367	416	353		403
3.Lying Down	8	6	12	4		3

SwGRPPOS: S pos during grip strength tests

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.E=R Did not sign Phys Meas								332	238	393
.M=Other Missing										
.N=R ineligible for Phys Me								705	457	800
.R=R refused specific test										
.S=Skip								185	126	214
.U=Unmarried								6417	6206	7797
.V=Spouse NR								317	365	724
.X=R reported injury, test										
1.Standing								4790	4091	5418
2.Sitting								190	124	104
3.Lying Down								2	2	

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	6448	5334	6047	4484		3774
.E=R Did not sign Phys Meas	225	154	271	241		104
.M=Other Missing		1	1			
.N=R ineligible for Phys Me	575	662	615	492		755
.R=R refused specific test		28	51	34		19
.S=Skip	152	18	12	18		117

.U=Unmarried	7473	7125	8024	6678	6541
.V=Spouse NR	597	610	1109	1110	1406
.X=R reported injury, test		101	109	108	79
1.Standing	4917	4535	4462	3835	2812
2.Sitting	162	178	207	145	177
3.Lying Down	5	1	4	1	3

How Constructed

RwGRP, RwGRPL, and RwGRPR summarize the Respondent's grip strength measurements taken during the in-home physical measurements portion of the HRS. RwGRP is a summary measurment of both hands where as RwGRPL and RwGRPR refer to the left- and right-hand, respectively. Grip strength measurements are reported to the nearest 0.5 kilograms. RwGRPDOM lists the Respondent's dominant hand. RwGRPPOS describes the Respondent's position during these measurements.

Grip strength measurements are taken twice on each hand. RwGRP reports the maximum value of all valid grip strength measurements. RwGRPL and RwGRPR report the maximum of all non-missing measurements of the Respondent's left- and right-handed grip strength, respectively.

From Wave 8 forward, a subsample of HRS Respondents are selected each wave to complete an enhanced face-to-face interview. Respondents who were not selected in a given wave do not have grip strength data. RwGRP, RwGRPL, RwGRPR, RwGRPDOM and RwGRPPOS are set to .A for these Respondents.

Respondents who are selected for an enhanced interview may not be able to actually carry out a face-to-face interview. Respondents who were selected but were living in a nursing home, had a proxy respondent, or had to conduct their interview by telephone do not have physical measurement data. RwGRP, RwGRPL, RwGRPR, RwGRPDOM and RwGRPPOS are set to .N for these Respondents.

Respondents who were selected for an enhanced interview and were able to conduct a face-to-face interview were given a description of the physical tests that they would be asked to carry out. They were then asked to sign a Physical Measures consent form. Respondents who did not sign the Physical Measures consent form do not have physical measurement data. RwGRP, RwGRPL, RwGRPR, RwGRPDOM and RwGRPPOS are set to .E for these Respondents.

From Wave 12 forward, Respondents who consent to having physical measurements taken are asked a series of questions prior to taking grip strength measurements. Respondents are asked if it is safe to conduct grip strength tests on each arm (no severe swelling, pain, hand injury, etc.). Grip strength tests are skipped on any hand that is unsafe for testing. Variables are set to .X if they are skipped due to safety. Also from Wave 12 forward, Respondents are asked if they feel safe continuing each section of the measurements. RwGRP, RwGRPL, RwGRPR, RwGRPDOM and RwGRPPOS are set to .R for Respondents who did not feel safe conducting grip strength measurements.

Respondents who were otherwise willing to take physical measurements may not have data for grip strength measurements due to space or equipment issues. If there was not a suitable location to carry out the grip strength measurements or there was problems with equipment or supplies, the grip strength measurements are skipped. RwGRP, RwGRPL, RwGRPR, RwGRPDOM and RwGRPPOS are set to .L for these Respondents.

The Respondent's grip strength measurements may be unsuccessful for several reasons. If the Respondent feels unsafe during the measurement and refuses to proceed, the variable is set to .R. If the Respondent is medically disqualified from the measurement, the variable is set to .X. If the Respondent attempts the measurement but is unable to complete it, the variable is set to .W. If the interviewer is unable to conduct the test due to lack of suitable location or equipment problems, the variable is set to .L. If the Respondent is listed as "DK (Don't Know); NA (Not Ascertained)" in the survey and the corresponding variable has no non-missing values, the variable is set to .D. If RwGRP, RwGRPL, RwGRPR and RwGRPDOM are missing for these reasons, RwGRPPOS is set to .S.

If a variable is missing and causes an exit from the grip strength measurements, variables collected afterwards are set to .S if no measurements were taken. Variables are set to .M if the raw variable does not have data on the measurements, but none of the previous

missing codes apply.

SwGRP, SwGRPL, SwGRPR, SwGRPDOM and SwGRPPOS contain this information for the Respondent's spouse or partner.

Physical measure variables are not available for Wave 15 because there were no enhanced face-to-face interviews collected that wave.

Cross Wave Differences in Original HRS Data

Physical measurements are first conducted in Wave 8.

There are some changes to the way missing codes are handled in the survey. From Wave 12 forward, Respondents are asked preliminary safety and consent questions for each set of physical measurements questions (this is in addition to signing the consent form, which happens in every wave). From Wave 12 forward, Respondents are asked if they feel safe continuing to the grip strength section. Additionally, they are asked if they have any issues with either hand (severe swelling, pain, hand injury, etc.) that would prevent grip strength measurements from being taken.

Physical measure variables are not available for Wave 15 because there were no enhanced face-to-face interviews collected that wave.

HRS Variables Used

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HRS 2006:
    KI800           PHYSICAL MEASURES FTF IW
    KI802           PHYSICAL MEASURES CONSENT FORM
    KI813M1         HAND STRENGTH TEST REASON NOT COMPLETE-1
    KI815           GRIP DOMINANT HAND
    KI816           LEFT HAND FIRST
    KI818           HAND STRENGTH TEST R POSITION
    KI851           RIGHT HAND FIRST
    KI852           LEFT HAND SECOND
    KI853           RIGHT HAND SECOND
    KPMELIG         2006 PHYSICAL MEASURES ELIGIBILITY
HRS 2008:
    LI800           PHYSICAL MEASURES FTF IW
    LI802           PHYSICAL MEASURES CONSENT FORM
    LI813M1         HAND STRENGTH TEST REASON NOT COMPLETE  -1
    LI815           GRIP DOMINANT HAND
    LI816           LEFT HAND FIRST
    LI818           HAND STRENGTH TEST R POSITION
    LI851           RIGHT HAND FIRST
    LI852           LEFT HAND SECOND
    LI853           RIGHT HAND SECOND
    LPMELIG         2008 PHYSICAL MEASURES ELIGIBILITY
HRS 2010:
    MI800           PHYSICAL MEASURES FTF IW
    MI802           PHYSICAL MEASURES CONSENT
    MI813M1         HAND STRENGTH TEST REASON NOT COMPLETE  -1
    MI815           GRIP DOMINANT HAND
    MI816           LEFT HAND FIRST
    MI818           HAND STRENGTH TEST R POSITION
    MI851           RIGHT HAND FIRST
    MI852           LEFT HAND SECOND
    MI853           RIGHT HAND SECOND
    MPMELIG         2010 PHYSICAL MEASURES ELIGIBILITY
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HRS 2012:
    NI800           PHYSICAL MEASURES FTF IW
    NI802           PHYSICAL MEASURES CONSENT
    NI813M1         HAND STRENGTH TEST REASON NOT COMPLETE  -1
    NI815           GRIP DOMINANT HAND
    NI816           LEFT HAND FIRST
    NI818           HAND STRENGTH TEST R POSITION
    NI851           RIGHT HAND FIRST
    NI852           LEFT HAND SECOND
    NI853           RIGHT HAND SECOND
    NPMELIG         2012 PHYSICAL MEASURES ELIGIBILITY
HRS 2014:
    OI800           PHYSICAL MEASURES FTF IW
    OI802           PHYSICAL MEASURES CONSENT
    OI813M1         HAND STRENGTH TEST REASON NOT COMPLETE  -1
    OI815           GRIP DOMINANT HAND
    OI816           LEFT HAND FIRST
    OI818           HAND STRENGTH TEST R POSITION
    OI851           RIGHT HAND FIRST
    OI852           LEFT HAND SECOND
    OI853           RIGHT HAND SECOND
    OPMELIG         2014 PHYSICAL MEASURES ELIGIBILITY
HRS 2014:
    OI967           AFFECTED HAND(S)
    OI968           HAND-STRENGTH SAFETY QUESTION
HRS 2016:
    PI800           PHYSICAL MEASURES FTF IW
    PI802           PHYSICAL MEASURES CONSENT
    PI813M1         HAND STRENGTH TEST REASON NOT COMPLETE  -1
    PI815           GRIP DOMINANT HAND
    PI816           LEFT HAND FIRST
    PI818           HAND STRENGTH TEST R POSITION
    PI851           RIGHT HAND FIRST
    PI852           LEFT HAND SECOND
    PI853           RIGHT HAND SECOND
    PPMELIG         2016 PHYSICAL MEASURES ELIGIBILITY
HRS 2016:
    PI967           AFFECTED HAND(S)
    PI968           HAND-STRENGTH SAFETY QUESTION
HRS 2018:
    QI800           PHYSICAL MEASURES FTF IW
    QI802           PHYSICAL MEASURES CONSENT
    QI813M1         HAND STRENGTH TEST REASON NOT COMPLETE  -1
    QI815           GRIP DOMINANT HAND
    QI816           LEFT HAND FIRST
    QI818           HAND STRENGTH TEST R POSITION
    QI851           RIGHT HAND FIRST
    QI852           LEFT HAND SECOND
    QI853           RIGHT HAND SECOND
    QPMELIG         2018 PHYSICAL MEASURES ELIGIBILITY
HRS 2018:
    QI967           AFFECTED HAND(S)
    QI968           HAND-STRENGTH SAFETY QUESTION
HRS 2022:
    SI800           PHYSICAL MEASURES FTF IW
    SI802           PHYSICAL MEASURES CONSENT
    SI813M1         HAND STRENGTH TEST REASON NOT COMPLETE  -1
    SI815           GRIP DOMINANT HAND
    SI816           LEFT HAND FIRST
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    SI818           HAND STRENGTH TEST R POSITION
    SI851           RIGHT HAND FIRST
    SI852           LEFT HAND SECOND
    SI853           RIGHT HAND SECOND
    SPMELIG         2022 PHYSICAL MEASURES ELIGIBILITY
HRS 2022:
    SI967           AFFECTED HAND(S)
    SI968           HAND-STRENGTH SAFETY QUESTION
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Physical Measures: Balance Tests

Wave	Variable	Label	Type
8	R8BALSEMI	R8BALSEMI:W8 R semi tandem bal test time	Cont
9	R9BALSEMI	R9BALSEMI:W9 R semi tandem bal test time	Cont
10	R10BALSEMI	R10BALSEMI:W10 R semi tandem bal test time	Cont
11	R11BALSEMI	R11BALSEMI:W11 R semi tandem bal test time	Cont
12	R12BALSEMI	R12BALSEMI:W12 R semi tandem bal test time	Cont
13	R13BALSEMI	R13BALSEMI:W13 R semi tandem bal test time	Cont
14	R14BALSEMI	R14BALSEMI:W14 R semi tandem bal test time	Cont
16	R16BALSEMI	R16BALSEMI:W16 R semi tandem bal test time	Cont
8	S8BALSEMI	S8BALSEMI:W8 S semi tandem bal test time	Cont
9	S9BALSEMI	S9BALSEMI:W9 S semi tandem bal test time	Cont
10	S10BALSEMI	S10BALSEMI:W10 S semi tandem bal test time	Cont
11	S11BALSEMI	S11BALSEMI:W11 S semi tandem bal test time	Cont
12	S12BALSEMI	S12BALSEMI:W12 S semi tandem bal test time	Cont
13	S13BALSEMI	S13BALSEMI:W13 S semi tandem bal test time	Cont
14	S14BALSEMI	S14BALSEMI:W14 S semi tandem bal test time	Cont
16	S16BALSEMI	S16BALSEMI:W16 S semi tandem bal test time	Cont
8	R8BALSEMIC	R8BALSEMIC:W8 R semi tandem bal test-Comp mvmts	Categ
9	R9BALSEMIC	R9BALSEMIC:W9 R semi tandem bal test-Comp mvmts	Categ
10	R10BALSEMIC	R10BALSEMIC:W10 R semi tandem bal test-Comp mvmts	Categ
11	R11BALSEMIC	R11BALSEMIC:W11 R semi tandem bal test-Comp mvmts	Categ
12	R12BALSEMIC	R12BALSEMIC:W12 R semi tandem bal test-Comp mvmts	Categ
13	R13BALSEMIC	R13BALSEMIC:W13 R semi tandem bal test-Comp mvmts	Categ
14	R14BALSEMIC	R14BALSEMIC:W14 R semi tandem bal test-Comp mvmts	Categ
8	S8BALSEMIC	S8BALSEMIC:W8 S semi tandem bal test-Comp mvmts	Categ
9	S9BALSEMIC	S9BALSEMIC:W9 S semi tandem bal test-Comp mvmts	Categ
10	S10BALSEMIC	S10BALSEMIC:W10 S semi tandem bal test-Comp mvmts	Categ
11	S11BALSEMIC	S11BALSEMIC:W11 S semi tandem bal test-Comp mvmts	Categ
12	S12BALSEMIC	S12BALSEMIC:W12 S semi tandem bal test-Comp mvmts	Categ
13	S13BALSEMIC	S13BALSEMIC:W13 S semi tandem bal test-Comp mvmts	Categ
14	S14BALSEMIC	S14BALSEMIC:W14 S semi tandem bal test-Comp mvmts	Categ
8	R8BALSBS	R8BALSBS:W8 R side-by-side bal test time	Cont
9	R9BALSBS	R9BALSBS:W9 R side-by-side bal test time	Cont
10	R10BALSBS	R10BALSBS:W10 R side-by-side bal test time	Cont
11	R11BALSBS	R11BALSBS:W11 R side-by-side bal test time	Cont
12	R12BALSBS	R12BALSBS:W12 R side-by-side bal test time	Cont
13	R13BALSBS	R13BALSBS:W13 R side-by-side bal test time	Cont
14	R14BALSBS	R14BALSBS:W14 R side-by-side bal test time	Cont
16	R16BALSBS	R16BALSBS:W16 R side-by-side bal test time	Cont
8	S8BALSBS	S8BALSBS:W8 S side-by-side bal test time	Cont
9	S9BALSBS	S9BALSBS:W9 S side-by-side bal test time	Cont
10	S10BALSBS	S10BALSBS:W10 S side-by-side bal test time	Cont
11	S11BALSBS	S11BALSBS:W11 S side-by-side bal test time	Cont
12	S12BALSBS	S12BALSBS:W12 S side-by-side bal test time	Cont
13	S13BALSBS	S13BALSBS:W13 S side-by-side bal test time	Cont
14	S14BALSBS	S14BALSBS:W14 S side-by-side bal test time	Cont
16	S16BALSBS	S16BALSBS:W16 S side-by-side bal test time	Cont
8	R8BALSBSC	R8BALSBSC:W8 R side-by-side bal test-Comp mvmt	Categ
9	R9BALSBSC	R9BALSBSC:W9 R side-by-side bal test-Comp mvmt	Categ
10	R10BALSBSC	R10BALSBSC:W10 R side-by-side bal test-Comp mvmt	Categ
11	R11BALSBSC	R11BALSBSC:W11 R side-by-side bal test-Comp mvmt	Categ
12	R12BALSBSC	R12BALSBSC:W12 R side-by-side bal test-Comp mvmt	Categ
13	R13BALSBSC	R13BALSBSC:W13 R side-by-side bal test-Comp mvmt	Categ
14	R14BALSBSC	R14BALSBSC:W14 R side-by-side bal test-Comp mvmt	Categ
8	S8BALSBSC	S8BALSBSC:W8 S side-by-side bal test-Comp mvmt	Categ
9	S9BALSBSC	S9BALSBSC:W9 S side-by-side bal test-Comp mvmt	Categ
10	S10BALSBSC	S10BALSBSC:W10 S side-by-side bal test-Comp mvmt	Categ
11	S11BALSBSC	S11BALSBSC:W11 S side-by-side bal test-Comp mvmt	Categ
12	S12BALSBSC	S12BALSBSC:W12 S side-by-side bal test-Comp mvmt	Categ
13	S13BALSBSC	S13BALSBSC:W13 S side-by-side bal test-Comp mvmt	Categ

14	S14BALSBSC	S14BALSBSC:W14 S side-by-side bal test-Comp mvmt	Categ
8	R8BALFUL	R8BALFUL:W8 R full tandem bal test time	Cont
9	R9BALFUL	R9BALFUL:W9 R full tandem bal test time	Cont
10	R10BALFUL	R10BALFUL:W10 R full tandem bal test time	Cont
11	R11BALFUL	R11BALFUL:W11 R full tandem bal test time	Cont
12	R12BALFUL	R12BALFUL:W12 R full tandem bal test time	Cont
13	R13BALFUL	R13BALFUL:W13 R full tandem bal test time	Cont
14	R14BALFUL	R14BALFUL:W14 R full tandem bal test time	Cont
16	R16BALFUL	R16BALFUL:W16 R full tandem bal test time	Cont
8	S8BALFUL	S8BALFUL:W8 S full tandem bal test time	Cont
9	S9BALFUL	S9BALFUL:W9 S full tandem bal test time	Cont
10	S10BALFUL	S10BALFUL:W10 S full tandem bal test time	Cont
11	S11BALFUL	S11BALFUL:W11 S full tandem bal test time	Cont
12	S12BALFUL	S12BALFUL:W12 S full tandem bal test time	Cont
13	S13BALFUL	S13BALFUL:W13 S full tandem bal test time	Cont
14	S14BALFUL	S14BALFUL:W14 S full tandem bal test time	Cont
16	S16BALFUL	S16BALFUL:W16 S full tandem bal test time	Cont
8	R8BALFULC	R8BALFULC:W8 R full tandem bal test-Comp mvmt	Categ
9	R9BALFULC	R9BALFULC:W9 R full tandem bal test-Comp mvmt	Categ
10	R10BALFULC	R10BALFULC:W10 R full tandem bal test-Comp mvmt	Categ
11	R11BALFULC	R11BALFULC:W11 R full tandem bal test-Comp mvmt	Categ
12	R12BALFULC	R12BALFULC:W12 R full tandem bal test-Comp mvmt	Categ
13	R13BALFULC	R13BALFULC:W13 R full tandem bal test-Comp mvmt	Categ
14	R14BALFULC	R14BALFULC:W14 R full tandem bal test-Comp mvmt	Categ
8	S8BALFULC	S8BALFULC:W8 S full tandem bal test-Comp mvmt	Categ
9	S9BALFULC	S9BALFULC:W9 S full tandem bal test-Comp mvmt	Categ
10	S10BALFULC	S10BALFULC:W10 S full tandem bal test-Comp mvmt	Categ
11	S11BALFULC	S11BALFULC:W11 S full tandem bal test-Comp mvmt	Categ
12	S12BALFULC	S12BALFULC:W12 S full tandem bal test-Comp mvmt	Categ
13	S13BALFULC	S13BALFULC:W13 S full tandem bal test-Comp mvmt	Categ
14	S14BALFULC	S14BALFULC:W14 S full tandem bal test-Comp mvmt	Categ
8	R8BALFULT	R8BALFULT:W8 R full tandem bal test-Cmpltd	Categ
9	R9BALFULT	R9BALFULT:W9 R full tandem bal test-Cmpltd	Categ
10	R10BALFULT	R10BALFULT:W10 R full tandem bal test-Cmpltd	Categ
11	R11BALFULT	R11BALFULT:W11 R full tandem bal test-Cmpltd	Categ
12	R12BALFULT	R12BALFULT:W12 R full tandem bal test-Cmpltd	Categ
13	R13BALFULT	R13BALFULT:W13 R full tandem bal test-Cmpltd	Categ
14	R14BALFULT	R14BALFULT:W14 R full tandem bal test-Cmpltd	Categ
16	R16BALFULT	R16BALFULT:W16 R full tandem bal test-Cmpltd	Categ
8	S8BALFULT	S8BALFULT:W8 S full tandem bal test-Cmpltd	Categ
9	S9BALFULT	S9BALFULT:W9 S full tandem bal test-Cmpltd	Categ
10	S10BALFULT	S10BALFULT:W10 S full tandem bal test-Cmpltd	Categ
11	S11BALFULT	S11BALFULT:W11 S full tandem bal test-Cmpltd	Categ
12	S12BALFULT	S12BALFULT:W12 S full tandem bal test-Cmpltd	Categ
13	S13BALFULT	S13BALFULT:W13 S full tandem bal test-Cmpltd	Categ
14	S14BALFULT	S14BALFULT:W14 S full tandem bal test-Cmpltd	Categ
16	S16BALFULT	S16BALFULT:W16 S full tandem bal test-Cmpltd	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8BALSEMI	6983	9.83	1.03	0.0	10.0
R9BALSEMI	6359	9.72	1.40	0.0	10.0
R10BALSEMI	8378	9.79	1.16	0.0	10.0
R11BALSEMI	7797	9.79	1.21	0.0	10.0
R12BALSEMI	7347	9.76	1.26	0.0	10.0
R13BALSEMI	7644	9.73	1.36	0.0	10.0
R14BALSEMI	6646	9.73	1.31	0.0	10.0
R16BALSEMI	5399	9.76	1.27	0.0	10.0

S8BALSEMI	4791	9.89	0.79	0.0	10.0
S9BALSEMI	4084	9.82	1.13	0.0	10.0
S10BALSEMI	5392	9.84	1.01	0.0	10.0
S11BALSEMI	4924	9.86	0.99	0.0	10.0
S12BALSEMI	4565	9.80	1.13	0.0	10.0
S13BALSEMI	4562	9.83	1.07	0.0	10.0
S14BALSEMI	3865	9.82	1.07	0.0	10.0
S16BALSEMI	2872	9.82	1.14	0.0	10.0
R8BALSEMIC	6986	0.17	0.38	0.0	1.0
R9BALSEMIC	6360	0.18	0.38	0.0	1.0
R10BALSEMIC	8381	0.16	0.37	0.0	1.0
R11BALSEMIC	7798	0.18	0.39	0.0	1.0
R12BALSEMIC	7345	0.17	0.37	0.0	1.0
R13BALSEMIC	7653	0.18	0.39	0.0	1.0
R14BALSEMIC	6652	0.19	0.39	0.0	1.0
S8BALSEMIC	4794	0.15	0.35	0.0	1.0
S9BALSEMIC	4085	0.15	0.36	0.0	1.0
S10BALSEMIC	5393	0.14	0.35	0.0	1.0
S11BALSEMIC	4925	0.16	0.37	0.0	1.0
S12BALSEMIC	4564	0.14	0.34	0.0	1.0
S13BALSEMIC	4567	0.16	0.36	0.0	1.0
S14BALSEMIC	3865	0.16	0.36	0.0	1.0
R8BALSBS	497	9.81	1.07	0.0	10.0
R9BALSBS	486	9.77	1.25	0.0	10.0
R10BALSBS	544	9.75	1.36	0.0	10.0
R11BALSBS	547	9.75	1.36	0.0	10.0
R12BALSBS	641	9.77	1.20	0.0	10.0
R13BALSBS	715	9.60	1.66	0.0	10.0
R14BALSBS	642	9.75	1.27	0.0	10.0
R16BALSBS	509	9.80	1.27	0.0	10.0
S8BALSBS	217	9.88	0.87	2.0	10.0
S9BALSBS	206	9.69	1.50	0.0	10.0
S10BALSBS	265	9.75	1.29	0.0	10.0
S11BALSBS	240	9.86	0.87	2.1	10.0
S12BALSBS	289	9.79	1.06	1.8	10.0
S13BALSBS	297	9.63	1.64	0.0	10.0
S14BALSBS	262	9.78	1.35	0.0	10.0
S16BALSBS	196	9.83	1.19	0.0	10.0
R8BALSBSC	497	0.28	0.45	0.0	1.0
R9BALSBSC	486	0.27	0.44	0.0	1.0
R10BALSBSC	544	0.26	0.44	0.0	1.0
R11BALSBSC	548	0.24	0.43	0.0	1.0
R12BALSBSC	642	0.20	0.40	0.0	1.0
R13BALSBSC	718	0.27	0.44	0.0	1.0
R14BALSBSC	645	0.28	0.45	0.0	1.0
S8BALSBSC	217	0.24	0.43	0.0	1.0
S9BALSBSC	206	0.24	0.43	0.0	1.0
S10BALSBSC	265	0.25	0.43	0.0	1.0
S11BALSBSC	241	0.24	0.43	0.0	1.0
S12BALSBSC	290	0.19	0.39	0.0	1.0
S13BALSBSC	300	0.26	0.44	0.0	1.0
S14BALSBSC	263	0.26	0.44	0.0	1.0

R8BALFUL	6238	43.41	19.44	0.0	60.0
R9BALFUL	5752	40.62	20.32	0.0	60.0
R10BALFUL	7698	44.00	19.90	0.0	60.0
R11BALFUL	7149	42.87	20.19	0.0	60.0
R12BALFUL	6779	41.46	20.48	0.0	60.0
R13BALFUL	7060	43.93	20.25	0.0	60.0
R14BALFUL	6092	42.31	20.66	0.0	60.0
R16BALFUL	4955	42.28	20.28	0.0	60.0
S8BALFUL	4399	45.40	18.72	0.0	60.0
S9BALFUL	3824	42.91	19.65	0.0	60.0
S10BALFUL	5032	45.89	18.93	0.0	60.0
S11BALFUL	4638	45.02	19.38	0.0	60.0
S12BALFUL	4298	43.61	19.71	0.0	60.0
S13BALFUL	4311	45.54	19.62	0.0	60.0
S14BALFUL	3628	43.92	19.95	0.0	60.0
S16BALFUL	2685	43.38	19.88	0.0	60.0
R8BALFULC	6240	0.44	0.50	0.0	1.0
R9BALFULC	5751	0.48	0.50	0.0	1.0
R10BALFULC	7699	0.44	0.50	0.0	1.0
R11BALFULC	7149	0.46	0.50	0.0	1.0
R12BALFULC	6784	0.48	0.50	0.0	1.0
R13BALFULC	7066	0.48	0.50	0.0	1.0
R14BALFULC	6095	0.50	0.50	0.0	1.0
S8BALFULC	4402	0.41	0.49	0.0	1.0
S9BALFULC	3824	0.46	0.50	0.0	1.0
S10BALFULC	5032	0.41	0.49	0.0	1.0
S11BALFULC	4639	0.43	0.50	0.0	1.0
S12BALFULC	4302	0.45	0.50	0.0	1.0
S13BALFULC	4317	0.45	0.50	0.0	1.0
S14BALFULC	3629	0.47	0.50	0.0	1.0
R8BALFULT	6238	0.78	0.41	0.0	1.0
R9BALFULT	5752	0.75	0.43	0.0	1.0
R10BALFULT	7698	0.77	0.42	0.0	1.0
R11BALFULT	7149	0.76	0.43	0.0	1.0
R12BALFULT	6779	0.73	0.44	0.0	1.0
R13BALFULT	7060	0.75	0.43	0.0	1.0
R14BALFULT	6092	0.72	0.45	0.0	1.0
R16BALFULT	4955	0.75	0.43	0.0	1.0
S8BALFULT	4399	0.81	0.39	0.0	1.0
S9BALFULT	3824	0.78	0.41	0.0	1.0
S10BALFULT	5032	0.81	0.39	0.0	1.0
S11BALFULT	4638	0.80	0.40	0.0	1.0
S12BALFULT	4298	0.77	0.42	0.0	1.0
S13BALFULT	4311	0.78	0.42	0.0	1.0
S14BALFULT	3628	0.76	0.43	0.0	1.0
S16BALFULT	2685	0.78	0.41	0.0	1.0

Categorical Variable Codes

RwBALSEMIC: R semi tandem bal test-Comp mvmts

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.D=DK/NA										1
.E=R Did not sign Phys Meas								589	460	738
.N=R ineligible for Phys Me								1191	893	1394
.R=R refused specific test										
.S=Skip								804	583	698
0.No								5789	5222	7000
1.Yes								1197	1138	1381

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	10489	9198	10674	8338		
.D=DK/NA	1	2				
.E=R Did not sign Phys Meas	443	313	588	524		
.N=R ineligible for Phys Me	1094	1232	1318	968		
.R=R refused specific test		576	589	571		
.S=Skip	729	81	90	93		
0.No	6373	6128	6260	5399		
1.Yes	1425	1217	1393	1253		

SwBALSEMIC: S semi tandem bal test-Comp mvmts

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.D=DK/NA										1
.E=R Did not sign Phys Meas								332	238	393
.N=R ineligible for Phys Me								705	457	800
.R=R refused specific test										
.S=Skip								373	258	342
.U=Unmarried								6417	6206	7797
.V=Spouse NR								317	365	724
0.No								4090	3457	4620
1.Yes								704	628	773

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	6448	5334	6047	4484		
.D=DK/NA	1	1				
.E=R Did not sign Phys Meas	225	154	271	241		
.N=R ineligible for Phys Me	575	662	617	491		
.R=R refused specific test		265	247	242		
.S=Skip	310	32	30	35		
.U=Unmarried	7473	7125	8024	6678		
.V=Spouse NR	597	610	1109	1110		
0.No	4119	3938	3856	3254		
1.Yes	806	626	711	611		

RwBALSBSC: R side-by-side bal test-Comp mvmt

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.E=R Did not sign Phys Meas								589	460	739
.N=R ineligible for Phys Me								1191	893	1396
.R=R refused specific test										
.S=Skip								7293	6457	8533
0.No								356	356	402
1.Yes								141	130	142

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	10490	9198	10674	8338		
.E=R Did not sign Phys Meas	444	313	588	524		
.N=R ineligible for Phys Me	1094	1232	1349	975		
.R=R refused specific test		356	347	361		
.S=Skip	7978	7006	7236	6303		
0.No	414	516	524	462		
1.Yes	134	126	194	183		

SwBALSBSC: S side-by-side bal test-Comp mvmt

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.E=R Did not sign Phys Meas								332	238	394
.N=R ineligible for Phys Me								705	457	801
.R=R refused specific test										
.S=Skip								4950	4137	5469
.U=Unmarried								6417	6206	7797
.V=Spouse NR								317	365	724
0.No								165	157	199
1.Yes								52	49	66

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	6448	5334	6047	4484		
.E=R Did not sign Phys Meas	225	154	271	241		
.N=R ineligible for Phys Me	575	662	633	494		
.R=R refused specific test		173	137	159		
.S=Skip	4995	4399	4391	3717		
.U=Unmarried	7473	7125	8024	6678		
.V=Spouse NR	597	610	1109	1110		
0.No	183	236	221	195		
1.Yes	58	54	79	68		

RwBALFULC: R full tandem bal test-Comp mvmt

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.D=DK/NA								1	1	1
.E=R Did not sign Phys Meas								589	460	738
.N=R ineligible for Phys Me								1191	893	1395
.R=R refused specific test										
.S=Skip								1549	1191	1379
0.No								3496	3003	4273
1.Yes								2744	2748	3426

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	10489	9198	10674	8338		
.D=DK/NA	1	1				
.E=R Did not sign Phys Meas	443	313	588	524		
.N=R ineligible for Phys Me	1094	1232	1320	968		
.R=R refused specific test		469	563	560		
.S=Skip	1378	750	701	661		
0.No	3849	3509	3675	3059		
1.Yes	3300	3275	3391	3036		

SwBALFULC: S full tandem bal test-Comp mvmt

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.D=DK/NA										1
.E=R Did not sign Phys Meas								332	238	393
.N=R ineligible for Phys Me								705	457	800
.R=R refused specific test										
.S=Skip								765	519	703
.U=Unmarried								6417	6206	7797
.V=Spouse NR								317	365	724
0.No								2599	2082	2952
1.Yes								1803	1742	2080

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	6448	5334	6047	4484		
.D=DK/NA						
.E=R Did not sign Phys Meas	225	154	271	241		
.N=R ineligible for Phys Me	575	662	617	491		
.R=R refused specific test		216	248	238		
.S=Skip	597	344	279	275		
.U=Unmarried	7473	7125	8024	6678		
.V=Spouse NR	597	610	1109	1110		
0.No	2643	2356	2356	1919		
1.Yes	1996	1946	1961	1710		

RwBALFULT: R full tandem bal test-Cmpltd

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.E=R Did not sign Phys Meas								589	460	738
.N=R ineligible for Phys Me								1191	893	1395
.R=R refused specific test										
.S=Skip								498	290	341
.T=Skip, R failed Semi-Tand								1054	901	1040
0.No								1367	1455	1736
1.Yes								4871	4297	5962

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	10489	9198	10674	8338		7704
.E=R Did not sign Phys Meas	443	313	588	524		237
.N=R ineligible for Phys Me	1094	1232	1320	968		1573
.R=R refused specific test			117	103		120
.S=Skip	347	217	95	102		87
.T=Skip, R failed Semi-Tand	1032	1008	1058	1019		1111
0.No	1717	1833	1781	1712		1241
1.Yes	5432	4946	5279	4380		3714

SwBALFULT: S full tandem bal test-Cmpltd

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.E=R Did not sign Phys Meas								332	238	393
.N=R ineligible for Phys Me								705	457	800
.R=R refused specific test										
.S=Skip								282	126	188
.T=Skip, R failed Semi-Tand								486	393	516
.U=Unmarried								6417	6206	7797
.V=Spouse NR								317	365	724
0.No								819	834	952
1.Yes								3580	2990	4080

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	6448	5334	6047	4484		3774
.E=R Did not sign Phys Meas	225	154	271	241		104
.N=R ineligible for Phys Me	575	662	617	491		755
.R=R refused specific test			50	47		51
.S=Skip	151	98	54	43		45
.T=Skip, R failed Semi-Tand	447	466	429	424		426
.U=Unmarried	7473	7125	8024	6678		6541
.V=Spouse NR	597	610	1109	1110		1406
0.No	919	991	960	884		581
1.Yes	3719	3307	3351	2744		2104

How Constructed

RwBALSEMI records the time, up to ten seconds, the Respondent held a Semi-Tandem stand during the in-home physical measurements portion of the HRS. RwBALSBS records the time, up to 30 seconds, the Respondent held a Side-by-Side stand. RwBALFUL records the time in seconds the Respondent held a Full-Tandem stand. RwBALFULT records if the Respondent held a Full-Tandem stand the maximum amount of time applicable to them. RwBALSEMIC, RwBALSBSC and RwBALFULC describe whether the Respondent

made any compensatory movements during each respective test.

From Wave 8 forward, a subsample of HRS Respondents are selected each wave to complete an enhanced face-to-face interview. Respondents who were not selected in a given wave do not have balance test data. These variables are set to .A for these Respondents.

Respondents who are selected for an enhanced interview may not be able to actually carry out a face-to-face interview. Respondents who were selected but were living in a nursing home, had a proxy respondent, or had to conduct their interview by telephone do not have physical measurement data. These variables are set to .N for these Respondents.

Respondents who were selected for an enhanced interview and were able to conduct a face-to-face interview were given a description of the physical tests that they would be asked to carry out. They were then asked to sign a Physical Measures consent form. Respondents who did not sign the Physical Measures consent form do not have physical measurement data. These variables are set to .E for these Respondents.

From Wave 12 forward, Respondents who consent to having physical measurements taken are asked if they feel safe continuing each section of the measurements. A separate question is asked for each type of balance test (Semi-Tandem, Side-by-Side and Full-Tandem). The corresponding time held and compensatory movement variables are set to .R for Respondents who did not feel safe taking a balance test.

Respondents who were otherwise willing to take physical measurements may not have data for balance measurements due to space or equipment issues. If there was not a suitable location to carry out the balance measurements or there was problems with equipment or supplies, the balance measurements are skipped. These variables are set to .L for these Respondents.

Respondents who take the balance tests are first asked to hold a semi-tandem stand for 10 seconds. The time the Respondent was able to hold the semi-tandem stand is recorded in RwBALSEMI in seconds, up to two decimal places. RwBALSEMIC records if the Respondent made any compensatory movements to steady themselves during this test.

If the Respondent was unable to hold the semi-tandem stand for 10 seconds, they are asked to hold a side-by-side stand for 30 seconds. The time the Respondent was able to hold the side-by-side stand is recorded in RwBALSBS in seconds, up to two decimal places. RwBALSBSC records if the Respondent made any compensatory movements to steady themselves during this test. If the Respondent does hold the semi-tandem stand for 10 seconds, they are not asked to hold the side-by-side stand and RwBALSBS is set to .T.

If the Respondent was able to hold the semi-tandem stand for 10 seconds, they are asked to hold a full-tandem stand. Respondents under the age of 70 are asked to hold the full-tandem stand for one minute, while Respondents 70 and older are asked to hold the full-tandem stand for 30 seconds. The time the Respondent was able to hold the full-tandem stand is recorded in RwBALFUL in seconds, up to two decimal places. RwBALFULT reports if the Respondent held the full-tandem stand the maximum amount of time that they were asked to hold it for. RwBALFULC records if the Respondent made any compensatory movements to steady themselves during this test. If the Respondent was unable hold the semi-tandem stand for 10 seconds, they are not asked to hold a full-tandem stand and RwBALFUL is set to .T.

The Respondent's balance test measurements may be unsuccessful for several reasons. If the Respondent feels unsafe during the measurement and refuses to proceed, the variable is set to .R. If the Respondent is medically disqualified from the measurement, the variable is set to .X. If the Respondent attempts the measurement but is unable to complete it, the variable is set to .W. If the interviewer is unable to conduct the test due to lack of suitable location or equipment problems, the variable is set to .L. If the Respondent is listed as "DK (Don't Know); NA (Not Ascertained)" in the survey and the corresponding variable has no non-missing values, the variable is set to .D. If a variable is missing for these reasons, the corresponding Compensatory Movements variable is set to .S.

If a variable is missing and causes an exit from the balance test measurements, variables collected afterwards are set to .S if no measurements were taken. Variables are set to .M if the raw variable does not have data on the measurements, but none of the previous missing codes apply.

SwBALSEMI, SwBALSBS, SwBALFUL, SwBALSEMIC, SwBALSBSC,SwBALFULC and SwBALFULT contain this information for the Respondent's spouse or partner.

Physical measure variables are not available for Wave 15 because there were no enhanced face-to-face interviews collected that wave.

Cross Wave Differences in Original HRS Data

Physical measurements are first conducted in Wave 8.

There are some changes to the way missing codes are handled in the survey. From Wave 12 forward, Respondents are asked preliminary safety and consent questions for each set of physical measurements questions (this is in addition to signing the consent form, which happens in every wave). From Wave 12 forward, Respondents are asked if they feel safe continuing to each new balance test.

Physical measure variables are not available for Wave 15 because there were no enhanced face-to-face interviews collected that wave.

RwBALSEMIC, RwBALSBSC and RwBALFULC, which describe whether the Respondent made any compensatory movements during each respective test, are not available from Wave 16 forward because these questions are no longer asked.

HRS Variables Used

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HRS 2006:
    KI800           PHYSICAL MEASURES FTF IW
    KI802           PHYSICAL MEASURES CONSENT FORM
    KI877M1         BALANCE SEMI-TANDEM REASON NOT COMP-1
    KI880           BALANCE TEST SEMI-TANDEM TIME
    KI884M1         BALANCE TEST SBS STAND REASON NOT COMP-1
    KI887           BALANCE TEST SIDE-BY-SIDE TIME
    KI894M1         BALANCE FULL TANDEM STAND-NOT COMPLETE-1
    KI897           BALANCE TEST FULL TANDEM TIME
    KPMELIG         2006 PHYSICAL MEASURES ELIGIBILITY
HRS 2008:
    LI800           PHYSICAL MEASURES FTF IW
    LI802           PHYSICAL MEASURES CONSENT FORM
    LI877M1         BALANCE SEMI-TANDEM REASON NOT COMP-1
    LI880           BALANCE TEST SEMI-TANDEM TIME
    LI884M1         BALANCE TEST SBS STAND REASON NOT COMP-1
    LI887           BALANCE TEST SIDE-BY-SIDE TIME
    LI894M1         BALANCE FULL TANDEM STAND-NOT COMPLETE-1
    LI897           BALANCE TEST FULL TANDEM TIME
    LPMELIG         2008 PHYSICAL MEASURES ELIGIBILITY
HRS 2010:
    MI800           PHYSICAL MEASURES FTF IW
    MI802           PHYSICAL MEASURES CONSENT
    MI877M1         BALANCE SEMI-TANDEM REASON NOT COMP-1
    MI880           BALANCE TEST SEMI-TANDEM TIME
    MI884M1         BALANCE TEST SBS STAND REASON NOT COMP-1
    MI887           BALANCE TEST SIDE-BY-SIDE TIME
    MI894M1         BALANCE FULL TANDEM STAND-NOT COMPLETE-1
    MI897           BALANCE TEST FULL TANDEM TIME
    MPMELIG         2010 PHYSICAL MEASURES ELIGIBILITY
HRS 2012:
    NI800           PHYSICAL MEASURES FTF IW
    NI802           PHYSICAL MEASURES CONSENT
    NI877M1         BALANCE SEMI-TANDEM REASON NOT COMP-1
    NI880           BALANCE TEST SEMI-TANDEM TIME
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    NI884M1         BALANCE TEST SBS STAND REASON NOT COMP-1
    NI887           BALANCE TEST SIDE-BY-SIDE TIME
    NI894M1         BALANCE FULL TANDEM STAND-NOT COMPLETE-1
    NI897           BALANCE TEST FULL TANDEM TIME
    NPMELIG         2012 PHYSICAL MEASURES ELIGIBILITY
HRS 2014:
    OI800           PHYSICAL MEASURES FTF IW
    OI802           PHYSICAL MEASURES CONSENT
    OI877M1         BALANCE SEMI-TANDEM REASON NOT COMP-1
    OI880           BALANCE TEST SEMI-TANDEM TIME
    OI884M1         BALANCE TEST SBS STAND REASON NOT COMP-1
    OI887           BALANCE TEST SIDE-BY-SIDE TIME
    OI894M1         BALANCE FULL TANDEM STAND-NOT COMPLETE-1
    OI897           BALANCE TEST FULL TANDEM TIME
    OPMELIG         2014 PHYSICAL MEASURES ELIGIBILITY
HRS 2014:
    OI616           R INJURY/DISCOMFORT DISCUSSION
    OI971           SEMI-TANDEM SAFETY QUESTION
    OI973           SIDE-BY-SIDE SAFETY QUESTION
HRS 2016:
    PI800           PHYSICAL MEASURES FTF IW
    PI802           PHYSICAL MEASURES CONSENT
    PI877M1         BALANCE SEMI-TANDEM REASON NOT COMP-1
    PI880           BALANCE TEST SEMI-TANDEM TIME
    PI884M1         BALANCE TEST SBS STAND REASON NOT COMP-1
    PI887           BALANCE TEST SIDE-BY-SIDE TIME
    PI894M1         BALANCE FULL TANDEM STAND-NOT COMPLETE-1
    PI897           BALANCE TEST FULL TANDEM TIME
    PPMELIG         2016 PHYSICAL MEASURES ELIGIBILITY
HRS 2016:
    PI616           R INJURY/DISCOMFORT DISCUSSION
    PI971           SEMI-TANDEM SAFETY QUESTION
    PI973           SIDE-BY-SIDE SAFETY QUESTION
HRS 2016:
    PI975           R UNDERSTANDING OF FULL TANDEM BALANCE TEST PROCEDURE
HRS 2018:
    QI800           PHYSICAL MEASURES FTF IW
    QI802           PHYSICAL MEASURES CONSENT
    QI877M1         BALANCE SEMI-TANDEM REASON NOT COMP-1
    QI880           BALANCE TEST SEMI-TANDEM TIME
    QI884M1         BALANCE TEST SBS STAND REASON NOT COMP-1
    QI887           BALANCE TEST SIDE-BY-SIDE TIME
    QI894M1         BALANCE FULL TANDEM STAND-NOT COMPLETE-1
    QI897           BALANCE TEST FULL TANDEM TIME
    QPMELIG         2018 PHYSICAL MEASURES ELIGIBILITY
HRS 2018:
    QI616           R INJURY/DISCOMFORT DISCUSSION
    QI971           SEMI-TANDEM SAFETY QUESTION
    QI973           SIDE-BY-SIDE SAFETY QUESTION
HRS 2018:
    QI975           R UNDERSTANDING OF FULL TANDEM BALANCE TEST PROCEDURE
HRS 2022:
    SI800           PHYSICAL MEASURES FTF IW
    SI802           PHYSICAL MEASURES CONSENT
    SI877M1         BALANCE SEMI-TANDEM REASON NOT COMP-1
    SI880           BALANCE TEST SEMI-TANDEM TIME
    SI884M1         BALANCE TEST SBS STAND REASON NOT COMP-1
    SI887           BALANCE TEST SIDE-BY-SIDE TIME
    SI894M1         BALANCE FULL TANDEM STAND-NOT COMPLETE-1
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    SI897           BALANCE TEST FULL TANDEM TIME
    SPMELIG         2022 PHYSICAL MEASURES ELIGIBILITY
HRS 2022:
    SI616           R INJURY/DISCOMFORT DISCUSSION
    SI971           SEMI-TANDEM SAFETY QUESTION
    SI973           SIDE-BY-SIDE SAFETY QUESTION
HRS 2022:
    SI975           R UNDERSTANDING OF FULL TANDEM BALANCE TEST PROCEDURE
HRS 2006-2018:
    xI881           BALANCE TEST SEMI-TANDEM COMPENSATORY
    xI888           BALANCE TEST SIDE-BY-SIDE COMPENSATORY
    xI898           BALANCE TEST FULL TANDEM COMPENSATORY
HRS 2006-2022:
    xA019           R CURRENT AGE CALCULATION
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Physical Measures: Timed Walk

Wave	Variable	Label	Type
8	R8TIMWLK	R8TIMWLK:W8 R timed walk test time	Cont
9	R9TIMWLK	R9TIMWLK:W9 R timed walk test time	Cont
10	R10TIMWLK	R10TIMWLK:W10 R timed walk test time	Cont
11	R11TIMWLK	R11TIMWLK:W11 R timed walk test time	Cont
12	R12TIMWLK	R12TIMWLK:W12 R timed walk test time	Cont
13	R13TIMWLK	R13TIMWLK:W13 R timed walk test time	Cont
14	R14TIMWLK	R14TIMWLK:W14 R timed walk test time	Cont
16	R16TIMWLK	R16TIMWLK:W16 R timed walk test time	Cont
8	S8TIMWLK	S8TIMWLK:W8 S timed walk test time	Cont
9	S9TIMWLK	S9TIMWLK:W9 S timed walk test time	Cont
10	S10TIMWLK	S10TIMWLK:W10 S timed walk test time	Cont
11	S11TIMWLK	S11TIMWLK:W11 S timed walk test time	Cont
12	S12TIMWLK	S12TIMWLK:W12 S timed walk test time	Cont
13	S13TIMWLK	S13TIMWLK:W13 S timed walk test time	Cont
14	S14TIMWLK	S14TIMWLK:W14 S timed walk test time	Cont
16	S16TIMWLK	S16TIMWLK:W16 S timed walk test time	Cont
8	R8TIMWLKA	R8TIMWLKA:W8 R timed walk test-Walk aid used	Categ
9	R9TIMWLKA	R9TIMWLKA:W9 R timed walk test-Walk aid used	Categ
10	R10TIMWLKA	R10TIMWLKA:W10 R timed walk test-Walk aid used	Categ
11	R11TIMWLKA	R11TIMWLKA:W11 R timed walk test-Walk aid used	Categ
12	R12TIMWLKA	R12TIMWLKA:W12 R timed walk test-Walk aid used	Categ
13	R13TIMWLKA	R13TIMWLKA:W13 R timed walk test-Walk aid used	Categ
14	R14TIMWLKA	R14TIMWLKA:W14 R timed walk test-Walk aid used	Categ
16	R16TIMWLKA	R16TIMWLKA:W16 R timed walk test-Walk aid used	Categ
8	S8TIMWLKA	S8TIMWLKA:W8 S timed walk test-Walk aid used	Categ
9	S9TIMWLKA	S9TIMWLKA:W9 S timed walk test-Walk aid used	Categ
10	S10TIMWLKA	S10TIMWLKA:W10 S timed walk test-Walk aid used	Categ
11	S11TIMWLKA	S11TIMWLKA:W11 S timed walk test-Walk aid used	Categ
12	S12TIMWLKA	S12TIMWLKA:W12 S timed walk test-Walk aid used	Categ
13	S13TIMWLKA	S13TIMWLKA:W13 S timed walk test-Walk aid used	Categ
14	S14TIMWLKA	S14TIMWLKA:W14 S timed walk test-Walk aid used	Categ
16	S16TIMWLKA	S16TIMWLKA:W16 S timed walk test-Walk aid used	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8TIMWLK	4072	3.61	1.93	2.0	29.0
R9TIMWLK	3979	3.75	2.22	2.0	35.5
R10TIMWLK	3842	3.56	1.81	2.0	34.2
R11TIMWLK	3708	3.55	2.30	2.0	81.0
R12TIMWLK	3923	3.61	1.87	2.0	36.0
R13TIMWLK	3444	3.75	2.46	2.0	90.0
R14TIMWLK	3400	3.69	2.06	2.0	41.6
R16TIMWLK	2948	3.81	2.52	2.0	55.0
S8TIMWLK	2532	3.39	1.78	2.0	25.3
S9TIMWLK	2359	3.47	1.93	2.0	30.2
S10TIMWLK	2368	3.33	1.50	2.0	27.2
S11TIMWLK	2177	3.25	1.47	2.0	29.6
S12TIMWLK	2294	3.37	1.69	2.0	36.0
S13TIMWLK	1946	3.44	1.41	2.0	19.2
S14TIMWLK	1881	3.38	1.67	2.0	41.6
S16TIMWLK	1570	3.61	2.81	2.0	55.0

R8TIMWLKA	4075	1.07	0.42	1.0	7.0
R9TIMWLKA	3979	1.10	0.52	1.0	7.0
R10TIMWLKA	3842	1.07	0.45	1.0	7.0
R11TIMWLKA	3708	1.11	0.55	1.0	7.0
R12TIMWLKA	3924	1.11	0.53	1.0	7.0
R13TIMWLKA	3450	1.11	0.52	1.0	7.0
R14TIMWLKA	3402	1.12	0.56	1.0	7.0
R16TIMWLKA	2968	1.11	0.61	1.0	7.0
S8TIMWLKA	2535	1.03	0.28	1.0	7.0
S9TIMWLKA	2359	1.07	0.42	1.0	7.0
S10TIMWLKA	2368	1.05	0.36	1.0	7.0
S11TIMWLKA	2177	1.07	0.40	1.0	7.0
S12TIMWLKA	2294	1.07	0.39	1.0	4.0
S13TIMWLKA	1948	1.06	0.38	1.0	4.0
S14TIMWLKA	1882	1.07	0.44	1.0	7.0
S16TIMWLKA	1578	1.07	0.47	1.0	7.0

Categorical Variable Codes

RwTIMWLKA: R timed walk test-Walk aid used

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.E=R Did not sign Phys Meas								589	460	739
.M=Other Missing										
.N=R ineligible for Phys Me								1191	893	1394
.R=R refused specific test										
.S=Skip								3715	2964	5237
.X=R reported injury, test										
1.None								3923	3782	3696
2.Walking Stick or Cane								101	101	86
3.Elbow Crutches										
4.Walking Frame								45	90	54
7.Other								6	6	6

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	10489	9198	10674	8338		7704
.E=R Did not sign Phys Meas	444	313	588	524		237
.M=Other Missing		2				
.N=R ineligible for Phys Me	1094	1232	1342	973		1586
.R=R refused specific test		78	76	65		55
.S=Skip	4819	3718	4556	3574		3003
.X=R reported injury, test		282	226	270		234
1.None	3500	3704	3257	3209		2823
2.Walking Stick or Cane	108	118	109	104		85
3.Elbow Crutches	1			2		1
4.Walking Frame	93	98	80	79		40
7.Other	6	4	4	8		19

SwTIMWLKA: S timed walk test-Walk aid used

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.E=R Did not sign Phys Meas								332	238	394
.M=Other Missing										
.N=R ineligible for Phys Me								705	457	800
.R=R refused specific test										
.S=Skip								2632	1984	3367
.U=Unmarried								6417	6206	7797
.V=Spouse NR								317	365	724
.X=R reported injury, test										
1.None								2478	2278	2303
2.Walking Stick or Cane								45	47	44
3.Elbow Crutches										
4.Walking Frame								10	31	18
7.Other								2	3	3

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	6448	5334	6047	4484		3774
.E=R Did not sign Phys Meas	225	154	271	241		104
.M=Other Missing		1				
.N=R ineligible for Phys Me	575	662	631	493		762
.R=R refused specific test		33	26	24		21
.S=Skip	3059	2405	2767	2118		1490
.U=Unmarried	7473	7125	8024	6678		6541
.V=Spouse NR	597	610	1109	1110		1406
.X=R reported injury, test		129	89	116		111
1.None	2097	2207	1885	1812		1524
2.Walking Stick or Cane	47	52	34	44		35
3.Elbow Crutches	1			2		1
4.Walking Frame	31	35	29	20		12
7.Other	1			4		6

How Constructed

RwTIMWLK summarizes the Respondent's performance in the timed walk tests during the in-home physical measurements portion of the HRS. It records the minimum number of seconds the Respondent took to walk 98.5 inches at a normal pace. RwTIMWLKA describes the type of walking aid that the Respondent used during these measurements.

Timed walk tests are taken two times. Measurements are taken in seconds to two decimal places. RwTIMWLK takes the minimum of all non-missing measurements.

From Wave 8 forward, a subsample of HRS Respondents are selected each wave to complete an enhanced face-to-face interview. Respondents who were not selected in a given wave do not have timed walk data. RwTIMWLK and RwTIMWLKA are set to .A for these Respondents.

Respondents who are selected for an enhanced interview may not be able to actually carry out a face-to-face interview. Respondents who were selected but were living in a nursing home, had a proxy respondent, or had to conduct their interview by telephone do not have physical measurement data. RwTIMWLK and RwTIMWLKA are set to .N for these Respondents.

Respondents who were selected for an enhanced interview and were able to conduct a face-to-face interview were given a description of the physical tests that they would be asked to carry out. They were then asked to sign a Physical Measures consent form. Respondents who did not sign the Physical Measures consent form do not have physical measurement data. RwTIMWLK and RwTIMWLKA are set to .E for these Respondents.

From Wave 12 forward, Respondents aged 65 and older who consent to having physical measurements taken are asked a series of questions prior to taking timed walk tests. Respondents are asked if they have any problems from recent surgery, injury, or other health conditions that might prevent them from walking. If the Respondent answers that they have a restriction, the timed walk tests are skipped. RwTIMWLK and RwTIMWLKA ar set to .X for these Respondents. Also from Wave 12 forward, Respondents are asked if they feel safe continuing each section of the measurements. RwTIMWLK and RwTIMWLKA are set to .R for Respondents who did not feel safe taking he timed walk tests.

Respondents under the age of 65 are not asked to complete timed walk measurements. Respondents who were eligible to take physical measurement tests in a wave and had signed the consent form but were under the age of 65 are given a value of .S for RwTIMWLK and RwTIMWLKA.

The Respondent's timed walk measurements may be unsuccessful for several reasons. If the Respondent feels unsafe during the measurement and refuses to proceed, the variable is set to .R. If the Respondent is medically disqualified from the measurement, the variable is set to .X. If the Respondent attempts the measurement but is unable to complete it, the variable is set to .W. If the interviewer is unable to conduct the test due to lack of suitable location or equipment problems, the variable is set to .L. If the Respondent is listed as "DK (Don't Know); NA (Not Ascertained)" in the survey and the corresponding variable has no non-missing values, the variable is set to .D. If RwTIMWLK is missing for these reasons, RwTIMWLKA is set to .S.

SwTIMWLK and SwTIMWLKA contain this information for the Respondent's spouse or partner.

Physical measure variables are not available for Wave 15 because there were no enhanced face-to-face interviews collected that wave.

Cross Wave Differences in Original HRS Data

Physical measurements are first conducted in Wave 8.

There are some changes to the way missing codes are handled in the survey. From Wave 12 forward, Respondents are asked preliminary safety and consent questions for each set of physical measurements questions (this is in addition to signing the consent form, which happens in every wave). From Wave 12 forward, Respondents are asked if they feel safe continuing to the timed walk section. Additionally, they are asked if they have any health issues that would prevent timed walk measurements from being taken.

Physical measure variables are not available for Wave 15 because there were no enhanced face-to-face interviews collected that wave.

HRS Variables Used

```
HRS 2006:
    KI800           PHYSICAL MEASURES FTF IW
    KI802           PHYSICAL MEASURES CONSENT FORM
    KI821M1         WALKING TEST REASON NOT COMPLETE-1
    KI823           WALKING TEST 1ST TRIAL TIME
    KI824           WALKING TEST 2ND TRIAL TIME
    KI828           WALKING AID TYPE
    KPMELIG         2006 PHYSICAL MEASURES ELIGIBILITY
HRS 2008:
    LI800           PHYSICAL MEASURES FTF IW
    LI802           PHYSICAL MEASURES CONSENT FORM
    LI821M1         WALKING TEST REASON NOT COMPLETE -1
    LI823           WALKING TEST 1ST TRIAL TIME
    LI824           WALKING TEST 2ND TRIAL TIME
    LI828           WALKING AID TYPE
    LPMELIG         2008 PHYSICAL MEASURES ELIGIBILITY
```

```
HRS 2010:
    MI800           PHYSICAL MEASURES FTF IW
    MI802           PHYSICAL MEASURES CONSENT
    MI821M1         WALKING TEST REASON NOT COMPLETE -1
    MI823           WALKING TEST 1ST TRIAL TIME
    MI824           WALKING TEST 2ND TRIAL TIME
    MI828           WALKING AID TYPE
    MPMELIG         2010 PHYSICAL MEASURES ELIGIBILITY
HRS 2012:
    NI800           PHYSICAL MEASURES FTF IW
    NI802           PHYSICAL MEASURES CONSENT
    NI821M1         WALKING TEST REASON NOT COMPLETE -1
    NI823           WALKING TEST 1ST TRIAL TIME
    NI824           WALKING TEST 2ND TRIAL TIME
    NI828           WALKING AID TYPE
    NPMELIG         2012 PHYSICAL MEASURES ELIGIBILITY
HRS 2014:
    OI800           PHYSICAL MEASURES FTF IW
    OI802           PHYSICAL MEASURES CONSENT
    OI821M1         WALKING TEST REASON NOT COMPLETE -1
    OI823           WALKING TEST 1ST TRIAL TIME
    OI824           WALKING TEST 2ND TRIAL TIME
    OI828           WALKING AID TYPE
    OPMELIG         2014 PHYSICAL MEASURES ELIGIBILITY
HRS 2014:
    OI977           WALKING SPEED SCREENING QUESTION
    OI978           R UNDERSTANDING OF WALKING SPEED PROCEDURE
HRS 2016:
    PI800           PHYSICAL MEASURES FTF IW
    PI802           PHYSICAL MEASURES CONSENT
    PI821M1         WALKING TEST REASON NOT COMPLETE -1
    PI823           WALKING TEST 1ST TRIAL TIME
    PI824           WALKING TEST 2ND TRIAL TIME
    PI828           WALKING AID TYPE
    PPMELIG         2016 PHYSICAL MEASURES ELIGIBILITY
HRS 2016:
    PI977           WALKING SPEED SCREENING QUESTION
    PI978           R UNDERSTANDING OF WALKING SPEED PROCEDURE
HRS 2018:
    QI800           PHYSICAL MEASURES FTF IW
    QI802           PHYSICAL MEASURES CONSENT
    QI821M1         WALKING TEST REASON NOT COMPLETE -1
    QI823           WALKING TEST 1ST TRIAL TIME
    QI824           WALKING TEST 2ND TRIAL TIME
    QI828           WALKING AID TYPE
    QPMELIG         2018 PHYSICAL MEASURES ELIGIBILITY
HRS 2018:
    QI977           WALKING SPEED SCREENING QUESTION
    QI978           R UNDERSTANDING OF WALKING SPEED PROCEDURE
HRS 2022:
    SI800           PHYSICAL MEASURES FTF IW
    SI802           PHYSICAL MEASURES CONSENT
    SI821M1         WALKING TEST REASON NOT COMPLETE -1
    SI823           WALKING TEST 1ST TRIAL TIME
    SI824           WALKING TEST 2ND TRIAL TIME
    SI828           WALKING AID TYPE
    SPMELIG         2022 PHYSICAL MEASURES ELIGIBILITY
HRS 2022:
    SI977           WALKING SPEED SCREENING QUESTION
```

```
    SI978           R UNDERSTANDING OF WALKING SPEED PROCEDURE
HRS 2006-2022:
    xA019           R CURRENT AGE CALCULATION
```

Physical Measures: BMI, Height, Weight, Waist

Wave	Variable	Label	Type
8	R8PMBMI	R8PMBMI:W8 R phys msr body mass index=kg/m2	Cont
9	R9PMBMI	R9PMBMI:W9 R phys msr body mass index=kg/m2	Cont
10	R10PMBMI	R10PMBMI:W10 R phys msr body mass index=kg/m2	Cont
11	R11PMBMI	R11PMBMI:W11 R phys msr body mass index=kg/m2	Cont
12	R12PMBMI	R12PMBMI:W12 R phys msr body mass index=kg/m2	Cont
13	R13PMBMI	R13PMBMI:W13 R phys msr body mass index=kg/m2	Cont
14	R14PMBMI	R14PMBMI:W14 R phys msr body mass index=kg/m2	Cont
16	R16PMBMI	R16PMBMI:W16 R phys msr body mass index=kg/m2	Cont
8	S8PMBMI	S8PMBMI:W8 S phys msr body mass index=kg/m2	Cont
9	S9PMBMI	S9PMBMI:W9 S phys msr body mass index=kg/m2	Cont
10	S10PMBMI	S10PMBMI:W10 S phys msr body mass index=kg/m2	Cont
11	S11PMBMI	S11PMBMI:W11 S phys msr body mass index=kg/m2	Cont
12	S12PMBMI	S12PMBMI:W12 S phys msr body mass index=kg/m2	Cont
13	S13PMBMI	S13PMBMI:W13 S phys msr body mass index=kg/m2	Cont
14	S14PMBMI	S14PMBMI:W14 S phys msr body mass index=kg/m2	Cont
16	S16PMBMI	S16PMBMI:W16 S phys msr body mass index=kg/m2	Cont
8	R8PMHGHT	R8PMHGHT:W8 R phys msr height in meters	Cont
9	R9PMHGHT	R9PMHGHT:W9 R phys msr height in meters	Cont
10	R10PMHGHT	R10PMHGHT:W10 R phys msr height in meters	Cont
11	R11PMHGHT	R11PMHGHT:W11 R phys msr height in meters	Cont
12	R12PMHGHT	R12PMHGHT:W12 R phys msr height in meters	Cont
13	R13PMHGHT	R13PMHGHT:W13 R phys msr height in meters	Cont
14	R14PMHGHT	R14PMHGHT:W14 R phys msr height in meters	Cont
16	R16PMHGHT	R16PMHGHT:W16 R phys msr height in meters	Cont
8	S8PMHGHT	S8PMHGHT:W8 S phys msr height in meters	Cont
9	S9PMHGHT	S9PMHGHT:W9 S phys msr height in meters	Cont
10	S10PMHGHT	S10PMHGHT:W10 S phys msr height in meters	Cont
11	S11PMHGHT	S11PMHGHT:W11 S phys msr height in meters	Cont
12	S12PMHGHT	S12PMHGHT:W12 S phys msr height in meters	Cont
13	S13PMHGHT	S13PMHGHT:W13 S phys msr height in meters	Cont
14	S14PMHGHT	S14PMHGHT:W14 S phys msr height in meters	Cont
16	S16PMHGHT	S16PMHGHT:W16 S phys msr height in meters	Cont
8	R8PMHGHTS	R8PMHGHTS:W8 R phys msr height-Wore shoes	Categ
9	R9PMHGHTS	R9PMHGHTS:W9 R phys msr height-Wore shoes	Categ
10	R10PMHGHTS	R10PMHGHTS:W10 R phys msr height-Wore shoes	Categ
11	R11PMHGHTS	R11PMHGHTS:W11 R phys msr height-Wore shoes	Categ
12	R12PMHGHTS	R12PMHGHTS:W12 R phys msr height-Wore shoes	Categ
13	R13PMHGHTS	R13PMHGHTS:W13 R phys msr height-Wore shoes	Categ
14	R14PMHGHTS	R14PMHGHTS:W14 R phys msr height-Wore shoes	Categ
16	R16PMHGHTS	R16PMHGHTS:W16 R phys msr height-Wore shoes	Categ
8	S8PMHGHTS	S8PMHGHTS:W8 S phys msr height-Wore shoes	Categ
9	S9PMHGHTS	S9PMHGHTS:W9 S phys msr height-Wore shoes	Categ
10	S10PMHGHTS	S10PMHGHTS:W10 S phys msr height-Wore shoes	Categ
11	S11PMHGHTS	S11PMHGHTS:W11 S phys msr height-Wore shoes	Categ
12	S12PMHGHTS	S12PMHGHTS:W12 S phys msr height-Wore shoes	Categ
13	S13PMHGHTS	S13PMHGHTS:W13 S phys msr height-Wore shoes	Categ
14	S14PMHGHTS	S14PMHGHTS:W14 S phys msr height-Wore shoes	Categ
16	S16PMHGHTS	S16PMHGHTS:W16 S phys msr height-Wore shoes	Categ
8	R8PMWGHT	R8PMWGHT:W8 R phys msr weight in kilograms	Cont
9	R9PMWGHT	R9PMWGHT:W9 R phys msr weight in kilograms	Cont
10	R10PMWGHT	R10PMWGHT:W10 R phys msr weight in kilograms	Cont
11	R11PMWGHT	R11PMWGHT:W11 R phys msr weight in kilograms	Cont
12	R12PMWGHT	R12PMWGHT:W12 R phys msr weight in kilograms	Cont
13	R13PMWGHT	R13PMWGHT:W13 R phys msr weight in kilograms	Cont
14	R14PMWGHT	R14PMWGHT:W14 R phys msr weight in kilograms	Cont
16	R16PMWGHT	R16PMWGHT:W16 R phys msr weight in kilograms	Cont
8	S8PMWGHT	S8PMWGHT:W8 S phys msr weight in kilograms	Cont
9	S9PMWGHT	S9PMWGHT:W9 S phys msr weight in kilograms	Cont
10	S10PMWGHT	S10PMWGHT:W10 S phys msr weight in kilograms	Cont

11	S11PMWGHT	S11PMWGHT:W11 S phys msr weight in kilograms	Cont
12	S12PMWGHT	S12PMWGHT:W12 S phys msr weight in kilograms	Cont
13	S13PMWGHT	S13PMWGHT:W13 S phys msr weight in kilograms	Cont
14	S14PMWGHT	S14PMWGHT:W14 S phys msr weight in kilograms	Cont
16	S16PMWGHT	S16PMWGHT:W16 S phys msr weight in kilograms	Cont
8	R8PMWGHTS	R8PMWGHTS:W8 R phys msr weight-Wore shoes	Categ
9	R9PMWGHTS	R9PMWGHTS:W9 R phys msr weight-Wore shoes	Categ
10	R10PMWGHTS	R10PMWGHTS:W10 R phys msr weight-Wore shoes	Categ
11	R11PMWGHTS	R11PMWGHTS:W11 R phys msr weight-Wore shoes	Categ
12	R12PMWGHTS	R12PMWGHTS:W12 R phys msr weight-Wore shoes	Categ
13	R13PMWGHTS	R13PMWGHTS:W13 R phys msr weight-Wore shoes	Categ
14	R14PMWGHTS	R14PMWGHTS:W14 R phys msr weight-Wore shoes	Categ
16	R16PMWGHTS	R16PMWGHTS:W16 R phys msr weight-Wore shoes	Categ
8	S8PMWGHTS	S8PMWGHTS:W8 S phys msr weight-Wore shoes	Categ
9	S9PMWGHTS	S9PMWGHTS:W9 S phys msr weight-Wore shoes	Categ
10	S10PMWGHTS	S10PMWGHTS:W10 S phys msr weight-Wore shoes	Categ
11	S11PMWGHTS	S11PMWGHTS:W11 S phys msr weight-Wore shoes	Categ
12	S12PMWGHTS	S12PMWGHTS:W12 S phys msr weight-Wore shoes	Categ
13	S13PMWGHTS	S13PMWGHTS:W13 S phys msr weight-Wore shoes	Categ
14	S14PMWGHTS	S14PMWGHTS:W14 S phys msr weight-Wore shoes	Categ
16	S16PMWGHTS	S16PMWGHTS:W16 S phys msr weight-Wore shoes	Categ
8	R8PMWGHTF	R8PMWGHTF:W8 R phys msr weight-Floor type	Categ
9	R9PMWGHTF	R9PMWGHTF:W9 R phys msr weight-Floor type	Categ
10	R10PMWGHTF	R10PMWGHTF:W10 R phys msr weight-Floor type	Categ
11	R11PMWGHTF	R11PMWGHTF:W11 R phys msr weight-Floor type	Categ
12	R12PMWGHTF	R12PMWGHTF:W12 R phys msr weight-Floor type	Categ
13	R13PMWGHTF	R13PMWGHTF:W13 R phys msr weight-Floor type	Categ
14	R14PMWGHTF	R14PMWGHTF:W14 R phys msr weight-Floor type	Categ
8	S8PMWGHTF	S8PMWGHTF:W8 S phys msr weight-Floor type	Categ
9	S9PMWGHTF	S9PMWGHTF:W9 S phys msr weight-Floor type	Categ
10	S10PMWGHTF	S10PMWGHTF:W10 S phys msr weight-Floor type	Categ
11	S11PMWGHTF	S11PMWGHTF:W11 S phys msr weight-Floor type	Categ
12	S12PMWGHTF	S12PMWGHTF:W12 S phys msr weight-Floor type	Categ
13	S13PMWGHTF	S13PMWGHTF:W13 S phys msr weight-Floor type	Categ
14	S14PMWGHTF	S14PMWGHTF:W14 S phys msr weight-Floor type	Categ
8	R8PMWAIST	R8PMWAIST:W8 R phys msr waist	Cont
9	R9PMWAIST	R9PMWAIST:W9 R phys msr waist	Cont
10	R10PMWAIST	R10PMWAIST:W10 R phys msr waist	Cont
11	R11PMWAIST	R11PMWAIST:W11 R phys msr waist	Cont
12	R12PMWAIST	R12PMWAIST:W12 R phys msr waist	Cont
13	R13PMWAIST	R13PMWAIST:W13 R phys msr waist	Cont
14	R14PMWAIST	R14PMWAIST:W14 R phys msr waist	Cont
16	R16PMWAIST	R16PMWAIST:W16 R phys msr waist	Cont
8	S8PMWAIST	S8PMWAIST:W8 S phys msr waist	Cont
9	S9PMWAIST	S9PMWAIST:W9 S phys msr waist	Cont
10	S10PMWAIST	S10PMWAIST:W10 S phys msr waist	Cont
11	S11PMWAIST	S11PMWAIST:W11 S phys msr waist	Cont
12	S12PMWAIST	S12PMWAIST:W12 S phys msr waist	Cont
13	S13PMWAIST	S13PMWAIST:W13 S phys msr waist	Cont
14	S14PMWAIST	S14PMWAIST:W14 S phys msr waist	Cont
16	S16PMWAIST	S16PMWAIST:W16 S phys msr waist	Cont
8	R8PMWAISTC	R8PMWAISTC:W8 R phys msr waist-Bulky clothes	Categ
9	R9PMWAISTC	R9PMWAISTC:W9 R phys msr waist-Bulky clothes	Categ
10	R10PMWAISTC	R10PMWAISTC:W10 R phys msr waist-Bulky clothes	Categ
11	R11PMWAISTC	R11PMWAISTC:W11 R phys msr waist-Bulky clothes	Categ
12	R12PMWAISTC	R12PMWAISTC:W12 R phys msr waist-Bulky clothes	Categ
13	R13PMWAISTC	R13PMWAISTC:W13 R phys msr waist-Bulky clothes	Categ
14	R14PMWAISTC	R14PMWAISTC:W14 R phys msr waist-Bulky clothes	Categ
8	S8PMWAISTC	S8PMWAISTC:W8 S phys msr waist-Bulky clothes	Categ
9	S9PMWAISTC	S9PMWAISTC:W9 S phys msr waist-Bulky clothes	Categ
10	S10PMWAISTC	S10PMWAISTC:W10 S phys msr waist-Bulky clothes	Categ
11	S11PMWAISTC	S11PMWAISTC:W11 S phys msr waist-Bulky clothes	Categ
12	S12PMWAISTC	S12PMWAISTC:W12 S phys msr waist-Bulky clothes	Categ
13	S13PMWAISTC	S13PMWAISTC:W13 S phys msr waist-Bulky clothes	Categ

14 S14PMWAISTC S14PMWAISTC:W14 S phys msr waist-Bulky clothes Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8PMBMI	7128	29.03	5.75	14.8	64.1
R9PMBMI	6446	29.30	6.08	3.2	76.5
R10PMBMI	8409	29.81	6.18	10.0	72.9
R11PMBMI	7951	29.74	6.31	0.2	77.4
R12PMBMI	7500	29.92	6.25	12.8	74.0
R13PMBMI	7750	30.18	6.38	10.5	82.6
R14PMBMI	6753	30.11	6.27	9.3	58.3
R16PMBMI	5546	30.18	6.36	10.3	62.3
S8PMBMI	4788	29.12	5.59	14.8	64.1
S9PMBMI	4083	29.39	5.74	3.2	67.6
S10PMBMI	5330	29.88	5.99	15.3	72.9
S11PMBMI	4947	29.79	6.12	0.2	77.4
S12PMBMI	4590	30.07	6.04	15.9	67.8
S13PMBMI	4550	30.18	6.01	16.1	82.6
S14PMBMI	3883	30.26	6.05	10.3	54.4
S16PMBMI	2917	30.03	6.14	13.3	62.3
R8PMHGHT	7418	1.66	0.10	1.3	2.0
R9PMHGHT	6666	1.65	0.10	1.0	2.0
R10PMHGHT	8776	1.66	0.10	1.2	2.2
R11PMHGHT	8243	1.66	0.10	1.2	2.3
R12PMHGHT	7715	1.65	0.10	1.2	2.0
R13PMHGHT	8048	1.65	0.10	1.2	2.2
R14PMHGHT	6980	1.65	0.10	1.2	2.1
R16PMHGHT	5742	1.65	0.10	1.2	2.2
S8PMHGHT	4976	1.68	0.10	1.4	2.0
S9PMHGHT	4212	1.67	0.10	1.2	2.0
S10PMHGHT	5570	1.67	0.10	1.2	2.0
S11PMHGHT	5119	1.67	0.10	1.2	2.3
S12PMHGHT	4720	1.67	0.10	1.3	2.0
S13PMHGHT	4724	1.67	0.10	1.2	2.0
S14PMHGHT	4007	1.67	0.10	1.2	2.1
S16PMHGHT	3005	1.67	0.10	1.2	2.2
R8PMHGHTS	7429	0.13	0.34	0.0	1.0
R9PMHGHTS	6674	0.12	0.32	0.0	1.0
R10PMHGHTS	8778	0.06	0.24	0.0	1.0
R11PMHGHTS	8246	0.08	0.27	0.0	1.0
R12PMHGHTS	7714	0.04	0.20	0.0	1.0
R13PMHGHTS	8056	0.05	0.22	0.0	1.0
R14PMHGHTS	7020	0.05	0.21	0.0	1.0
R16PMHGHTS	5762	0.05	0.23	0.0	1.0
S8PMHGHTS	4985	0.12	0.33	0.0	1.0
S9PMHGHTS	4215	0.10	0.31	0.0	1.0
S10PMHGHTS	5572	0.06	0.23	0.0	1.0
S11PMHGHTS	5121	0.07	0.26	0.0	1.0
S12PMHGHTS	4719	0.04	0.19	0.0	1.0
S13PMHGHTS	4728	0.04	0.20	0.0	1.0

S14PMHGHTS	4018	0.04	0.19	0.0	1.0
S16PMHGHTS	3012	0.05	0.21	0.0	1.0
R8PMWGHT	7187	80.19	17.90	32.2	137.9
R9PMWGHT	6496	79.82	18.12	9.5	138.3
R10PMWGHT	8468	81.65	18.35	29.7	138.3
R11PMWGHT	8008	81.40	18.50	0.5	144.4
R12PMWGHT	7547	81.56	18.49	33.8	151.5
R13PMWGHT	7786	82.63	18.78	22.0	151.5
R14PMWGHT	6829	82.22	18.84	21.3	144.2
R16PMWGHT	5596	82.54	18.88	29.7	151.5
S8PMWGHT	4826	81.97	17.67	39.0	137.7
S9PMWGHT	4102	81.70	17.84	9.5	138.3
S10PMWGHT	5368	83.19	18.11	35.8	138.3
S11PMWGHT	4974	82.81	18.19	0.5	144.4
S12PMWGHT	4608	83.35	18.20	37.6	151.5
S13PMWGHT	4566	83.91	18.18	40.1	151.5
S14PMWGHT	3910	84.04	18.58	30.8	142.0
S16PMWGHT	2939	83.35	18.59	33.8	151.5
R8PMWGHTS	7203	0.11	0.31	0.0	1.0
R9PMWGHTS	6507	0.10	0.30	0.0	1.0
R10PMWGHTS	8476	0.05	0.22	0.0	1.0
R11PMWGHTS	8012	0.07	0.25	0.0	1.0
R12PMWGHTS	7544	0.04	0.19	0.0	1.0
R13PMWGHTS	7783	0.05	0.22	0.0	1.0
R14PMWGHTS	6831	0.04	0.20	0.0	1.0
R16PMWGHTS	5594	0.04	0.20	0.0	1.0
S8PMWGHTS	4831	0.10	0.30	0.0	1.0
S9PMWGHTS	4109	0.09	0.28	0.0	1.0
S10PMWGHTS	5370	0.05	0.21	0.0	1.0
S11PMWGHTS	4976	0.06	0.24	0.0	1.0
S12PMWGHTS	4606	0.03	0.18	0.0	1.0
S13PMWGHTS	4566	0.05	0.21	0.0	1.0
S14PMWGHTS	3910	0.04	0.19	0.0	1.0
S16PMWGHTS	2938	0.04	0.19	0.0	1.0
R8PMWGHTF	7198	1.20	0.54	1.0	7.0
R9PMWGHTF	6502	1.20	0.55	1.0	7.0
R10PMWGHTF	8466	1.16	0.53	1.0	7.0
R11PMWGHTF	8005	1.15	0.56	1.0	7.0
R12PMWGHTF	7543	1.14	0.58	1.0	7.0
R13PMWGHTF	7779	1.18	0.59	1.0	7.0
R14PMWGHTF	6829	1.16	0.54	1.0	7.0
S8PMWGHTF	4826	1.19	0.52	1.0	7.0
S9PMWGHTF	4106	1.17	0.51	1.0	7.0
S10PMWGHTF	5366	1.14	0.50	1.0	7.0
S11PMWGHTF	4970	1.13	0.53	1.0	7.0
S12PMWGHTF	4606	1.12	0.54	1.0	7.0
S13PMWGHTF	4565	1.15	0.54	1.0	7.0
S14PMWGHTF	3910	1.13	0.49	1.0	7.0
R8PMWAIST	7357	39.62	6.05	20.5	73.5
R9PMWAIST	6638	39.74	6.12	22.0	74.3
R10PMWAIST	8743	40.16	6.26	1.0	134.0
R11PMWAIST	8194	40.08	6.18	1.0	68.5

R12PMWAIST	7734	40.34	6.73	1.0	187.0
R13PMWAIST	8057	40.76	7.56	0.5	190.0
R14PMWAIST	7024	40.78	7.65	1.0	251.0
R16PMWAIST	5759	41.26	7.95	1.0	260.0
S8PMWAIST	4945	39.73	5.96	20.5	73.5
S9PMWAIST	4187	39.90	5.95	22.0	74.3
S10PMWAIST	5551	40.28	6.24	1.0	134.0
S11PMWAIST	5090	40.11	6.01	1.0	67.5
S12PMWAIST	4725	40.47	6.54	1.0	163.0
S13PMWAIST	4723	40.81	7.76	0.5	190.0
S14PMWAIST	4008	41.02	7.79	1.0	251.0
S16PMWAIST	3013	41.05	7.72	1.0	169.0
R8PMWAISTC	7363	0.05	0.22	0.0	1.0
R9PMWAISTC	6638	0.05	0.22	0.0	1.0
R10PMWAISTC	8744	0.04	0.19	0.0	1.0
R11PMWAISTC	8196	0.03	0.16	0.0	1.0
R12PMWAISTC	7674	0.03	0.17	0.0	1.0
R13PMWAISTC	8054	0.03	0.16	0.0	1.0
R14PMWAISTC	7024	0.03	0.16	0.0	1.0
S8PMWAISTC	4950	0.04	0.21	0.0	1.0
S9PMWAISTC	4187	0.05	0.21	0.0	1.0
S10PMWAISTC	5552	0.04	0.19	0.0	1.0
S11PMWAISTC	5091	0.03	0.16	0.0	1.0
S12PMWAISTC	4692	0.03	0.17	0.0	1.0
S13PMWAISTC	4723	0.02	0.15	0.0	1.0
S14PMWAISTC	4008	0.02	0.15	0.0	1.0

Categorical Variable Codes

RwPMHGHTS: R phys msr height-Wore shoes

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.D=DK/NA										
.E=R Did not sign Phys Meas								589	460	738
.M=Other Missing										
.N=R ineligible for Phys Me								1191	893	1394
.R=R refused specific test										
.S=Skip								361	269	302
0.No								6458	5891	8242
1.Yes								971	783	536

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	10489	9198	10674	8338		7704
.D=DK/NA		5	2			3
.E=R Did not sign Phys Meas	443	313	588	524		237
.M=Other Missing						1
.N=R ineligible for Phys Me	1094	1232	1317	968		1573
.R=R refused specific test		238	7			
.S=Skip	282	47	268	296		507
0.No	7581	7393	7653	6703		5449
1.Yes	665	321	403	317		313

SwPMHGHTS: S phys msr height-Wore shoes

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.D=DK/NA										
.E=R Did not sign Phys Meas								332	238	393
.M=Other Missing										
.N=R ineligible for Phys Me								705	457	800
.R=R refused specific test										
.S=Skip								182	128	164
.U=Unmarried								6417	6206	7797
.V=Spouse NR								317	365	724
0.No								4368	3773	5259
1.Yes								617	442	313

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	6448	5334	6047	4484		3774
.D=DK/NA		4	1			1
.E=R Did not sign Phys Meas	225	154	271	241		104
.M=Other Missing						1
.N=R ineligible for Phys Me	575	662	617	491		757
.R=R refused specific test		120	2			
.S=Skip	115	19	113	124		191
.U=Unmarried	7473	7125	8024	6678		6541
.V=Spouse NR	597	610	1109	1110		1406
0.No	4757	4550	4524	3864		2873
1.Yes	364	169	204	154		139

RwPMWGHTS: R phys msr weight-Wore shoes

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.D=DK/NA										
.E=R Did not sign Phys Meas								589	460	738
.M=Other Missing										
.N=R ineligible for Phys Me								1191	893	1394
.R=R refused specific test										
.S=Skip								587	436	604
0.No								6425	5865	8048
1.Yes								778	642	428

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	10489	9198	10674	8338		7704
.D=DK/NA		4	5			3
.E=R Did not sign Phys Meas	443	313	588	524		237
.M=Other Missing						1
.N=R ineligible for Phys Me	1094	1232	1319	968		1574
.R=R refused specific test		270	7			1
.S=Skip	516	186	536	485		673
0.No	7487	7264	7398	6549		5351
1.Yes	525	280	385	282		243

SwPMWGHTS: S phys msr weight-Wore shoes

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.D=DK/NA										
.E=R Did not sign Phys Meas								332	238	393
.M=Other Missing										
.N=R ineligible for Phys Me								705	457	800
.R=R refused specific test										
.S=Skip								336	234	366
.U=Unmarried								6417	6206	7797
.V=Spouse NR								317	365	724
0.No								4331	3748	5125
1.Yes								500	361	245

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	6448	5334	6047	4484		3774
.D=DK/NA		3	1			
.E=R Did not sign Phys Meas	225	154	271	241		104
.M=Other Missing						1
.N=R ineligible for Phys Me	575	662	618	491		757
.R=R refused specific test		145	1			
.S=Skip	260	108	275	232		266
.U=Unmarried	7473	7125	8024	6678		6541
.V=Spouse NR	597	610	1109	1110		1406
0.No	4680	4457	4351	3771		2833
1.Yes	296	149	215	139		105

RwPMWGHTF: R phys msr weight-Floor type

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.D=DK/NA								5	5	10
.E=R Did not sign Phys Meas								589	460	738
.N=R ineligible for Phys Me								1191	893	1394
.R=R refused specific test										
.S=Skip								587	436	604
1.Linoleum/Tile/Wood								6042	5494	7459
2.Low-Pile Carpet								983	869	825
3.High-Pile Carpet								49	26	28
4.Concrete/Brick								121	105	142
7.Other								3	8	12

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	10489	9198	10674	8338		
.D=DK/NA	7	5	9	1		
.E=R Did not sign Phys Meas	443	313	588	524		
.N=R ineligible for Phys Me	1094	1232	1319	968		
.R=R refused specific test		270	7	1		
.S=Skip	516	186	536	485		
1.Linoleum/Tile/Wood	7243	6893	6842	6111		
2.Low-Pile Carpet	537	493	696	521		
3.High-Pile Carpet	9	36	36	35		
4.Concrete/Brick	209	87	195	159		
7.Other	7	34	10	3		

SwPMWGHTF: S phys msr weight-Floor type

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.D=DK/NA								5	3	4
.E=R Did not sign Phys Meas								332	238	393
.N=R ineligible for Phys Me								705	457	800
.R=R refused specific test										
.S=Skip								336	234	366
.U=Unmarried								6417	6206	7797
.V=Spouse NR								317	365	724
1.Linoleum/Tile/Wood								4127	3572	4830
2.Low-Pile Carpet								587	460	432
3.High-Pile Carpet								33	13	16
4.Concrete/Brick								77	57	82
7.Other								2	4	6

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	6448	5334	6047	4484		
.D=DK/NA	6	3	2			
.E=R Did not sign Phys Meas	225	154	271	241		
.N=R ineligible for Phys Me	575	662	618	491		
.R=R refused specific test		145	1			
.S=Skip	260	108	275	232		
.U=Unmarried	7473	7125	8024	6678		
.V=Spouse NR	597	610	1109	1110		
1.Linoleum/Tile/Wood	4581	4274	4123	3589		
2.Low-Pile Carpet	262	249	326	231		
3.High-Pile Carpet	3	14	20	15		
4.Concrete/Brick	121	52	90	74		
7.Other	3	17	6	1		

RwPMWAISTC: R phys msr waist-Bulky clothes

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.D=DK/NA										
.E=R Did not sign Phys Meas								589	460	738
.N=R ineligible for Phys Me								1191	893	1394
.R=R refused specific test										
.S=Skip								427	305	336
0.No								7000	6301	8399
1.Yes								363	337	345

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	10489	9198	10674	8338		
.D=DK/NA		60	5			
.E=R Did not sign Phys Meas	443	313	588	524		
.N=R ineligible for Phys Me	1094	1232	1318	968		
.R=R refused specific test		26	7			
.S=Skip	332	244	266	292		
0.No	7972	7453	7846	6844		
1.Yes	224	221	208	180		

SwPMWAISTC: S phys msr waist-Bulky clothes

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.D=DK/NA										
.E=R Did not sign Phys Meas								332	238	393
.N=R ineligible for Phys Me								705	457	800
.R=R refused specific test										
.S=Skip								217	156	184
.U=Unmarried								6417	6206	7797
.V=Spouse NR								317	365	724
0.No								4730	3993	5347
1.Yes								220	194	205

Value	w11	w12	w13	w14	w15	w16
.A=R not asked Phys Meas th	6448	5334	6047	4484		
.D=DK/NA		33	1			
.E=R Did not sign Phys Meas	225	154	271	241		
.N=R ineligible for Phys Me	575	662	618	491		
.R=R refused specific test		15	2			
.S=Skip	145	122	117	134		
.U=Unmarried	7473	7125	8024	6678		
.V=Spouse NR	597	610	1109	1110		
0.No	4961	4560	4617	3910		
1.Yes	130	132	106	98		

General Comments

RwPMBMI, RwPMHGHT, RwPMWGHT, and RwPMWAIST are based on physically-measured data. Please refer to the "Self-reported BMI, Height, Weight, Weight Change, and Highest Weight" section for RwBMI, RwHEIGHT, and RwWEIGHT, which are based on self-reported (or proxy-reported) data.

How Constructed

RwPMBMI reports the Respondent's body mass index based on their measured height and weight. RwPMHGHT records the measurement of the Respondent's height. Height, given in inches, is converted to meters. RwPMHGHTS records whether the Respondent was wearing shoes during this measurement. RwPMWGHT records the Respondent's weight. Weight, measured in pounds, is converted to kilograms. RwPMWGHTS records whether the Respondent was wearing shoes during this measurement, and RwPMWGHTF records the type of floor that the scale was on during the measurement. RwPMWAIST records the measurement of the Respondent's waist circumference in inches. RwPMWAISTC records whether the Respondent was wearing any bulky clothing during this measurement.

From Wave 8 forward, a subsample of HRS Respondents are selected each wave to complete an enhanced face-to-face interview. Respondents who were not selected in a given wave do not have physical measurement data. RwPMBMI, RwPMHGHT, RwPMHGHTS, RwPMWGHT, RwPMWGHTS, RwPMWGHTF, RwPMWAIST and RwPMWAISTC are set to .A for these Respondents.

Respondents who are selected for an enhanced interview may not be able to actually carry out a face-to-face interview. Respondents who were selected but were living in a nursing home, had a proxy respondent, or had to conduct their interview by telephone do not have physical measurement data. RwPMBMI, RwPMHGHT, RwPMHGHTS, RwPMWGHT, RwPMWGHTS, RwPMWGHTF, RwPMWAIST and RwPMWAISTC are set to .N for these Respondents.

Respondents who were selected for an enhanced interview and were able to conduct a face-to-face interview were given a description of the physical tests that they would be asked to carry out. They were then asked to sign a Physical Measures consent form. Respondents who did not sign the Physical Measures consent form do not have physical measurement data. RwPMBMI, RwPMHGHT, RwPMHGHTS, RwPMWGHT, RwPMWGHTS, RwPMWGHTF, RwPMWAIST and RwPMWAISTC are set to .E for these Respondents.

From Wave 12 forward, Respondents who consent to having physical measurements taken are asked if they feel safe having their height, weight and waist size measured. Variables are set to .R for Respondents who did not feel safe taking the corresponding measurement.

Respondents who self-reported a weight of 300 pounds or more were not asked to complete a physical measurement of weight. RwPMWGHT, RwPMWGHTS and RwPMWGHTF are set to .S for these Respondents.

RwPMBMI is calculated using the weight divided by the square height $\frac{weight}{height^2}$.

RwPMWAIST records the measurement of the Respondent's waist circumference in inches, rounded to the nearest quarter inch. Respondents are asked to stand and raise their arms while the interviewer measures their waist circumference at navel level.

The Respondent's measurements may be unsuccessful for several reasons. If the Respondent feels unsafe during the measurement and refuses to proceed, the variable is set to .R. If the Respondent is medically disqualified from the measurement, the variable is set to .X. If the Respondent attempts the measurement but is unable to complete it, the variable is set to .W. If the interviewer is unable to conduct the test due to lack of suitable location or equipment problems, the variable is set to .L. If the Respondent is listed as "DK (Don't Know); NA (Not Ascertained)" in the survey and the corresponding variable has no non-missing values, the variable is set to .D. If a variable is missing for one of these reasons, the corresponding auxiliary variables for Shoes, Floor Type or Bulky Clothes are set to .S. If RwPMHGHT or RwPMWGHT is missing for one of these reasons, RwPMBMI will be set to the corresponding missing value.

RwPMBMI, RwPMHGHT, RwPMHGHTS, RwPMWGHT, RwPMWGHTS, RwPMWGHTF, RwPMWAIST and RwPMWAISTC are set to .M if the raw variable does not have data on the measurements, but none of the previous missing codes apply.

SwPMBMI, SwPMHGHT, SwPMHGHTS, SwPMWGHT, SwPMWGHTS, SwPMWGHTF, SwPMWAIST and SwPMWAISTC contain this information for the Respondent's spouse or partner.

Physical measure variables are not available for Wave 15 because there were no enhanced face-to-face interviews collected that wave.

Cross Wave Differences in Original HRS Data

Physical measurements are first conducted in Wave 8.

There are some changes to the way missing codes are handled in the survey. From Wave 12 forward, Respondents are asked preliminary safety and consent questions for each set of physical measurements questions (this is in addition to signing the consent form, which happens in every wave). From Wave 12 forward, Respondents are asked if they feel safe continuing to each different physical measure.

Physical measure variables are not available for Wave 15 because there were no enhanced face-to-face interviews collected that wave.

RwPMWGHTF, which records the type of floor that the scale was on during the measurement, and RwPMWAISTC, which records whether the Respondent was wearing any bulky clothing during this measurement, are not available from Wave 16 forward because the questions are no longer asked.

HRS Variables Used

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HRS 2006:
    KI800           PHYSICAL MEASURES FTF IW
    KI802           PHYSICAL MEASURES CONSENT FORM
    KI832M1         HEIGHT REASON NOT COMPLETE-1
    KI834           HEIGHT MEASURMENT
    KI837           HEIGHT WEARING SHOES
    KI839M1         WEIGHT REASON NOT COMPLETE-1
    KI841           WEIGHT POUNDS MEASURMENT
    KI844           WEIGHT WEARING SHOES
    KI905M1         WAIST WHY NOT COMPLETE-1
    KI907           WAIST MEASURMENT
    KPMELIG         2006 PHYSICAL MEASURES ELIGIBILITY
HRS 2008:
    LI800           PHYSICAL MEASURES FTF IW
    LI802           PHYSICAL MEASURES CONSENT FORM
    LI832M1         HEIGHT REASON NOT COMPLETE  -1
    LI834           HEIGHT MEASURMENT
    LI837           HEIGHT WEARING SHOES
    LI839M1         WEIGHT REASON NOT COMPLETE -1
    LI841           WEIGHT POUNDS MEASURMENT
    LI844           WEIGHT WEARING SHOES
    LI905M1         WAIST WHY NOT COMPLETE-1
    LI907           WAIST MEASURMENT
    LPMELIG         2008 PHYSICAL MEASURES ELIGIBILITY
HRS 2010:
    MI800           PHYSICAL MEASURES FTF IW
    MI802           PHYSICAL MEASURES CONSENT
    MI832M1         HEIGHT REASON NOT COMPLETE  -1
    MI834           HEIGHT MEASURMENT
    MI837           HEIGHT WEARING SHOES
    MI839M1         WEIGHT REASON NOT COMPLETE -1
    MI841           WEIGHT POUNDS MEASURMENT
    MI844           WEIGHT WEARING SHOES
    MI905M1         WAIST WHY NOT COMPLETE-1
    MI907           WAIST MEASURMENT
    MPMELIG         2010 PHYSICAL MEASURES ELIGIBILITY
HRS 2012:
    NI800           PHYSICAL MEASURES FTF IW
    NI802           PHYSICAL MEASURES CONSENT
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    NI832M1         HEIGHT REASON NOT COMPLETE  -1
    NI834           HEIGHT MEASURMENT
    NI837           HEIGHT WEARING SHOES
    NI839M1         WEIGHT REASON NOT COMPLETE -1
    NI841           WEIGHT POUNDS MEASURMENT
    NI844           WEIGHT WEARING SHOES
    NI905M1         WAIST WHY NOT COMPLETE-1
    NI907           WAIST MEASURMENT
    NPMELIG         2012 PHYSICAL MEASURES ELIGIBILITY
HRS 2014:
    OI800           PHYSICAL MEASURES FTF IW
    OI802           PHYSICAL MEASURES CONSENT
    OI832M1         HEIGHT REASON NOT COMPLETE  -1
    OI834           HEIGHT MEASURMENT
    OI837           HEIGHT WEARING SHOES
    OI839M1         WEIGHT REASON NOT COMPLETE -1
    OI841           WEIGHT POUNDS MEASURMENT
    OI844           WEIGHT WEARING SHOES
    OI905M1         WAIST WHY NOT COMPLETE-1
    OI907           WAIST MEASURMENT
    OPMELIG         2014 PHYSICAL MEASURES ELIGIBILITY
HRS 2016:
    PI800           PHYSICAL MEASURES FTF IW
    PI802           PHYSICAL MEASURES CONSENT
    PI832M1         HEIGHT REASON NOT COMPLETE  -1
    PI834           HEIGHT MEASURMENT
    PI837           HEIGHT WEARING SHOES
    PI839M1         WEIGHT REASON NOT COMPLETE -1
    PI841           WEIGHT POUNDS MEASURMENT
    PI844           WEIGHT WEARING SHOES
    PI905M1         WAIST WHY NOT COMPLETE-1
    PI907           WAIST MEASURMENT
    PPMELIG         2016 PHYSICAL MEASURES ELIGIBILITY
HRS 2018:
    QI800           PHYSICAL MEASURES FTF IW
    QI802           PHYSICAL MEASURES CONSENT
    QI832M1         HEIGHT REASON NOT COMPLETE  -1
    QI834           HEIGHT MEASURMENT
    QI837           HEIGHT WEARING SHOES
    QI839M1         WEIGHT REASON NOT COMPLETE -1
    QI841           WEIGHT POUNDS MEASURMENT
    QI844           WEIGHT WEARING SHOES
    QI905M1         WAIST WHY NOT COMPLETE-1
    QI907           WAIST MEASURMENT
    QPMELIG         2018 PHYSICAL MEASURES ELIGIBILITY
HRS 2022:
    SI800           PHYSICAL MEASURES FTF IW
    SI802           PHYSICAL MEASURES CONSENT
    SI832M1         HEIGHT REASON NOT COMPLETE  -1
    SI834           HEIGHT MEASURMENT
    SI837           HEIGHT WEARING SHOES
    SI839M1         WEIGHT REASON NOT COMPLETE -1
    SI841           WEIGHT POUNDS MEASURMENT
    SI844           WEIGHT WEARING SHOES
    SI905M1         WAIST WHY NOT COMPLETE-1
    SI907           WAIST MEASURMENT
    SPMELIG         2022 PHYSICAL MEASURES ELIGIBILITY
HRS 2006-2018:
    xI842           WEIGHT FLOOR SURFACE
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    xI912           WAIST BULKY CLOTHES
HRS 2006-2022:
    xC139           WEIGHT IN POUNDS
HRS 2014-2016:
    xI980           HEIGHT SAFETY QUESTION
    xI982           R UNDERSTANDING OF WEIGHT MEASUREMENT PROCEDURE
    xI985           R UNDERSTANDING OF WAIST MEASUREMENT PROCEDURE
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Section C: Medical Care Utilization and Expenditure

Medical care utilization: Hospital

Wave	Variable	Label	Type
1	R1HOSP	R1HOSP:W1 Hospital stay, prv 12 mos	Categ
2	R2HOSP	R2HOSP:W2 Hospital stay, prv 2 yrs/since PrvIvw	Categ
3	R3HOSP	R3HOSP:W3 Hospital stay, prv 2 yrs/since PrvIvw	Categ
4	R4HOSP	R4HOSP:W4 Hospital stay, prv 2 yrs/since PrvIvw	Categ
5	R5HOSP	R5HOSP:W5 Hospital stay, prv 2 yrs/since PrvIvw	Categ
6	R6HOSP	R6HOSP:W6 Hospital stay, prv 2 yrs/since PrvIvw	Categ
7	R7HOSP	R7HOSP:W7 Hospital stay, prv 2 yrs/since PrvIvw	Categ
8	R8HOSP	R8HOSP:W8 Hospital stay, prv 2 yrs/since PrvIvw	Categ
9	R9HOSP	R9HOSP:W9 Hospital stay, prv 2 yrs/since PrvIvw	Categ
10	R10HOSP	R10HOSP:W10 Hospital stay, prv 2 yrs/since PrvIvw	Categ
11	R11HOSP	R11HOSP:W11 Hospital stay, prv 2 yrs/since PrvIvw	Categ
12	R12HOSP	R12HOSP:W12 Hospital stay, prv 2 yrs/since PrvIvw	Categ
13	R13HOSP	R13HOSP:W13 Hospital stay, prv 2 yrs/since PrvIvw	Categ
14	R14HOSP	R14HOSP:W14 Hospital stay, prv 2 yrs/since PrvIvw	Categ
15	R15HOSP	R15HOSP:W15 Hospital stay, prv 2 yrs/since PrvIvw	Categ
16	R16HOSP	R16HOSP:W16 Hospital stay, prv 2 yrs/since PrvIvw	Categ
1	S1HOSP	S1HOSP:W1 Hospital stay, prv 12 mos	Categ
2	S2HOSP	S2HOSP:W2 Hospital stay, prv 2 yrs/since PrvIvw	Categ
3	S3HOSP	S3HOSP:W3 Hospital stay, prv 2 yrs/since PrvIvw	Categ
4	S4HOSP	S4HOSP:W4 Hospital stay, prv 2 yrs/since PrvIvw	Categ
5	S5HOSP	S5HOSP:W5 Hospital stay, prv 2 yrs/since PrvIvw	Categ
6	S6HOSP	S6HOSP:W6 Hospital stay, prv 2 yrs/since PrvIvw	Categ
7	S7HOSP	S7HOSP:W7 Hospital stay, prv 2 yrs/since PrvIvw	Categ
8	S8HOSP	S8HOSP:W8 Hospital stay, prv 2 yrs/since PrvIvw	Categ
9	S9HOSP	S9HOSP:W9 Hospital stay, prv 2 yrs/since PrvIvw	Categ
10	S10HOSP	S10HOSP:W10 Hospital stay, prv 2 yrs/since PrvIvw	Categ
11	S11HOSP	S11HOSP:W11 Hospital stay, prv 2 yrs/since PrvIvw	Categ
12	S12HOSP	S12HOSP:W12 Hospital stay, prv 2 yrs/since PrvIvw	Categ
13	S13HOSP	S13HOSP:W13 Hospital stay, prv 2 yrs/since PrvIvw	Categ
14	S14HOSP	S14HOSP:W14 Hospital stay, prv 2 yrs/since PrvIvw	Categ
15	S15HOSP	S15HOSP:W15 Hospital stay, prv 2 yrs/since PrvIvw	Categ
16	S16HOSP	S16HOSP:W16 Hospital stay, prv 2 yrs/since PrvIvw	Categ
1	R1HSPTIM	R1HSPTIM:W1 # Hospital stays, prv 12 mos	Cont
2	R2HSPTIM	R2HSPTIM:W2 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
3	R3HSPTIM	R3HSPTIM:W3 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
4	R4HSPTIM	R4HSPTIM:W4 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
5	R5HSPTIM	R5HSPTIM:W5 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
6	R6HSPTIM	R6HSPTIM:W6 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
7	R7HSPTIM	R7HSPTIM:W7 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
8	R8HSPTIM	R8HSPTIM:W8 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
9	R9HSPTIM	R9HSPTIM:W9 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
10	R10HSPTIM	R10HSPTIM:W10 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
11	R11HSPTIM	R11HSPTIM:W11 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
12	R12HSPTIM	R12HSPTIM:W12 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
13	R13HSPTIM	R13HSPTIM:W13 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
14	R14HSPTIM	R14HSPTIM:W14 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
15	R15HSPTIM	R15HSPTIM:W15 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
16	R16HSPTIM	R16HSPTIM:W16 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
1	S1HSPTIM	S1HSPTIM:W1 # Hospital stays, prv 12 mos	Cont
2	S2HSPTIM	S2HSPTIM:W2 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
3	S3HSPTIM	S3HSPTIM:W3 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
4	S4HSPTIM	S4HSPTIM:W4 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
5	S5HSPTIM	S5HSPTIM:W5 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
6	S6HSPTIM	S6HSPTIM:W6 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
7	S7HSPTIM	S7HSPTIM:W7 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
8	S8HSPTIM	S8HSPTIM:W8 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
9	S9HSPTIM	S9HSPTIM:W9 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
10	S10HSPTIM	S10HSPTIM:W10 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
11	S11HSPTIM	S11HSPTIM:W11 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
12	S12HSPTIM	S12HSPTIM:W12 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
13	S13HSPTIM	S13HSPTIM:W13 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
14	S14HSPTIM	S14HSPTIM:W14 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
15	S15HSPTIM	S15HSPTIM:W15 # Hospital stays, prv 2 yrs/since PrvIvw	Cont

16	S16HSPTIM	S16HSPTIM:W16 # Hospital stays, prv 2 yrs/since PrvIvw	Cont
1	R1HSPNIT	R1HSPNIT:W1 # Nights in hosp, prv 12 mos	Cont
2	R2HSPNIT	R2HSPNIT:W2 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
3	R3HSPNIT	R3HSPNIT:W3 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
4	R4HSPNIT	R4HSPNIT:W4 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
5	R5HSPNIT	R5HSPNIT:W5 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
6	R6HSPNIT	R6HSPNIT:W6 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
7	R7HSPNIT	R7HSPNIT:W7 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
8	R8HSPNIT	R8HSPNIT:W8 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
9	R9HSPNIT	R9HSPNIT:W9 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
10	R10HSPNIT	R10HSPNIT:W10 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
11	R11HSPNIT	R11HSPNIT:W11 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
12	R12HSPNIT	R12HSPNIT:W12 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
13	R13HSPNIT	R13HSPNIT:W13 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
14	R14HSPNIT	R14HSPNIT:W14 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
15	R15HSPNIT	R15HSPNIT:W15 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
16	R16HSPNIT	R16HSPNIT:W16 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
1	S1HSPNIT	S1HSPNIT:W1 # Nights in hosp, prv 12 mos	Cont
2	S2HSPNIT	S2HSPNIT:W2 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
3	S3HSPNIT	S3HSPNIT:W3 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
4	S4HSPNIT	S4HSPNIT:W4 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
5	S5HSPNIT	S5HSPNIT:W5 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
6	S6HSPNIT	S6HSPNIT:W6 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
7	S7HSPNIT	S7HSPNIT:W7 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
8	S8HSPNIT	S8HSPNIT:W8 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
9	S9HSPNIT	S9HSPNIT:W9 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
10	S10HSPNIT	S10HSPNIT:W10 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
11	S11HSPNIT	S11HSPNIT:W11 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
12	S12HSPNIT	S12HSPNIT:W12 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
13	S13HSPNIT	S13HSPNIT:W13 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
14	S14HSPNIT	S14HSPNIT:W14 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
15	S15HSPNIT	S15HSPNIT:W15 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
16	S16HSPNIT	S16HSPNIT:W16 # Nights in hosp, prv 2 yrs/since PrvIvw	Cont
E	REHOSP	REHOSP:EXIT Overnight hospital stay since PrvIvw before death	Categ
E	REHSPTIM	REHSPTIM:EXIT # Hospital stays since PrvIvw before death	Cont
E	REHSPNIT	REHSPNIT:EXIT # Hospital nights since PrvIvw before death	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HOSP	12640	0.11	0.32	0.0	1.0
R2HOSP	19632	0.20	0.40	0.0	1.0
R3HOSP	17945	0.25	0.43	0.0	1.0
R4HOSP	21345	0.26	0.44	0.0	1.0
R5HOSP	19540	0.26	0.44	0.0	1.0
R6HOSP	18121	0.28	0.45	0.0	1.0
R7HOSP	20066	0.26	0.44	0.0	1.0
R8HOSP	18431	0.27	0.45	0.0	1.0
R9HOSP	17166	0.28	0.45	0.0	1.0
R10HOSP	21725	0.28	0.45	0.0	1.0
R11HOSP	20456	0.26	0.44	0.0	1.0
R12HOSP	18648	0.25	0.43	0.0	1.0
R13HOSP	20737	0.25	0.43	0.0	1.0
R14HOSP	17016	0.24	0.43	0.0	1.0
R15HOSP	15557	0.22	0.42	0.0	1.0
R16HOSP	15604	0.23	0.42	0.0	1.0
S1HOSP	9891	0.11	0.31	0.0	1.0
S2HOSP	13283	0.18	0.39	0.0	1.0
S3HOSP	11900	0.22	0.42	0.0	1.0

S4HOSP	13972	0.24	0.43	0.0	1.0
S5HOSP	12716	0.23	0.42	0.0	1.0
S6HOSP	11624	0.25	0.43	0.0	1.0
S7HOSP	12953	0.23	0.42	0.0	1.0
S8HOSP	11727	0.25	0.43	0.0	1.0
S9HOSP	10629	0.26	0.44	0.0	1.0
S10HOSP	13335	0.25	0.44	0.0	1.0
S11HOSP	12452	0.23	0.42	0.0	1.0
S12HOSP	10980	0.22	0.42	0.0	1.0
S13HOSP	11715	0.22	0.42	0.0	1.0
S14HOSP	9312	0.22	0.41	0.0	1.0
S15HOSP	8440	0.19	0.40	0.0	1.0
S16HOSP	7798	0.20	0.40	0.0	1.0
R1HSPTIM	12634	0.19	0.96	0.0	60.0
R2HSPTIM	19624	0.34	1.39	0.0	96.0
R3HSPTIM	17925	0.45	1.27	0.0	75.0
R4HSPTIM	21321	0.48	1.29	0.0	51.0
R5HSPTIM	19521	0.45	1.45	0.0	120.0
R6HSPTIM	18078	0.50	1.45	0.0	95.0
R7HSPTIM	20021	0.47	1.34	0.0	60.0
R8HSPTIM	18384	0.48	1.13	0.0	25.0
R9HSPTIM	17127	0.51	1.24	0.0	50.0
R10HSPTIM	21675	0.56	1.63	0.0	75.0
R11HSPTIM	20397	0.49	1.46	0.0	95.0
R12HSPTIM	18601	0.48	1.39	0.0	50.0
R13HSPTIM	20672	0.54	2.11	0.0	100.0
R14HSPTIM	16965	0.46	1.69	0.0	100.0
R15HSPTIM	15517	0.41	1.41	0.0	100.0
R16HSPTIM	15557	0.46	1.41	0.0	30.0
S1HSPTIM	9888	0.17	0.66	0.0	21.0
S2HSPTIM	13080	0.32	1.45	0.0	96.0
S3HSPTIM	11892	0.38	1.07	0.0	50.0
S4HSPTIM	13960	0.42	1.18	0.0	51.0
S5HSPTIM	12710	0.39	1.50	0.0	120.0
S6HSPTIM	11605	0.44	1.54	0.0	95.0
S7HSPTIM	12934	0.40	1.05	0.0	30.0
S8HSPTIM	11711	0.43	1.07	0.0	25.0
S9HSPTIM	10615	0.44	1.21	0.0	50.0
S10HSPTIM	13314	0.49	1.48	0.0	75.0
S11HSPTIM	12422	0.43	1.21	0.0	30.0
S12HSPTIM	10963	0.41	1.29	0.0	50.0
S13HSPTIM	11696	0.43	1.52	0.0	88.0
S14HSPTIM	9291	0.40	1.28	0.0	45.0
S15HSPTIM	8425	0.35	1.45	0.0	100.0
S16HSPTIM	7781	0.37	1.19	0.0	30.0
R1HSPNIT	12626	1.22	7.36	0.0	182.0
R2HSPNIT	19593	2.14	10.40	0.0	350.0
R3HSPNIT	17865	2.61	10.64	0.0	520.0
R4HSPNIT	21261	2.60	12.18	0.0	970.0
R5HSPNIT	19465	2.40	10.86	0.0	730.0
R6HSPNIT	17998	2.65	12.19	0.0	730.0
R7HSPNIT	19957	2.45	11.46	0.0	712.0
R8HSPNIT	18325	2.57	12.31	0.0	614.0
R9HSPNIT	17047	2.43	10.60	0.0	609.0
R10HSPNIT	21590	2.42	10.06	0.0	400.0
R11HSPNIT	20318	2.15	9.70	0.0	450.0

R12HSPNIT	18511	2.11	12.83	0.0	996.0
R13HSPNIT	20597	2.22	12.45	0.0	996.0
R14HSPNIT	16916	1.88	8.71	0.0	365.0
R15HSPNIT	15456	1.62	7.59	0.0	365.0
R16HSPNIT	15499	2.04	11.52	0.0	763.0
S1HSPNIT	9881	1.06	6.50	0.0	182.0
S2HSPNIT	13067	1.85	9.32	0.0	300.0
S3HSPNIT	11871	2.02	9.26	0.0	520.0
S4HSPNIT	13941	2.15	12.08	0.0	970.0
S5HSPNIT	12691	1.92	10.73	0.0	730.0
S6HSPNIT	11568	2.06	7.53	0.0	152.0
S7HSPNIT	12913	1.98	9.94	0.0	712.0
S8HSPNIT	11684	2.07	10.02	0.0	500.0
S9HSPNIT	10591	2.08	10.33	0.0	609.0
S10HSPNIT	13284	2.07	9.42	0.0	365.0
S11HSPNIT	12396	1.82	8.47	0.0	393.0
S12HSPNIT	10932	1.75	8.77	0.0	300.0
S13HSPNIT	11676	1.73	9.48	0.0	375.0
S14HSPNIT	9273	1.61	7.97	0.0	200.0
S15HSPNIT	8400	1.30	6.37	0.0	300.0
S16HSPNIT	7765	1.60	9.67	0.0	365.0
REHOSP	17568	0.82	0.39	0.0	1.0
REHSPTIM	16992	2.44	4.04	0.0	99.0
REHSPNIT	16606	17.05	41.54	0.0	1460.0

Categorical Variable Codes

RwHOSP: Hospital stay, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	3	8	13	16	15	23	34	18	29	33
.J=Web interview, missing										
.M=Oth missing	9	1	30	20	20	15	21	16	17	262
.R=RF		1	3	3	3	6	8	4	5	14
0.No	11197	15779	13462	15720	14513	13108	14803	13371	12306	15620
1.Yes	1443	3853	4483	5625	5027	5013	5263	5060	4860	6105

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	29	40	42	20	20	20
.J=Web interview, missing				10	10	6
.M=Oth missing	64	51	121	92	130	144
.R=RF	5	8	12	8	6	13
0.No	15235	14000	15523	12978	12115	12011
1.Yes	5221	4648	5214	4038	3442	3593

SwHOSP: Hospital stay, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	2	5	6	2	8	6	9	4	10	19
.J=Web interview, missing										
.M=Oth missing	7	1	10	6	5	5	4	3	4	149
.R=RF		1	1		1	4	6	1	3	10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
0.No	8817	10831	9244	10618	9800	8754	9911	8808	7914	9942
1.Yes	1074	2452	2656	3354	2916	2870	3042	2919	2715	3393

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	12	15	21	9	5	5
.J=Web interview, missing				8	7	4
.M=Oth missing	19	16	35	26	23	27
.R=RF	1	1	8	3	2	6
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	9550	8524	9117	7295	6807	6248
1.Yes	2902	2456	2598	2017	1633	1550

REHOSP: EXIT Overnight hospital stay since PrvIvw before death

Value	
.D=DK	115
.M=Oth missing	26
.R=RF	3
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	3216
1.Yes	14352

How Constructed

Core Interview Variables

RwHOSP indicates whether the Respondent reports any overnight hospital stay in the reference period. In Wave 1 and 2A, the reference period is 12 months; in other waves it is the period since the last interview, or the last 2 years for new interviewees. If the Respondent reports any overnight hospital stay, RwHSPTIM is the reported number of stays and RwHSPNIT is the reported number of nights over all stays. If the previous interview was more than two years ago, it is possible for RwHSPNIT to exceed 730 (365 x 2 years, 365 x 4 years, etc.). These high values can be checked against the INW variables, which indicate whether the Respondent was present for the wave in question. Values of 996 are also reported and confirmed by HRS.

SwHOSP, SwHSPTIM, and SwHSPNIT give this information for the Respondent's spouse or partner.

Medical care utilization variables are recoded for missing values. In Wave 1, the medical utilization variables are imputed in the original HRS data. Imputed values are recoded to missing. RwHOSP is recoded as a yes/no indicator. If the Respondent did not report any hospital stay, then RwHSPTIM and RwHSPNIT are set to zero.

In Wave 2A, questions about hospital utilization were asked of the Financial Respondent (for both in a couple). In addition, the question about any overnight hospital stay was asked of all individual Respondents. When both levels of information are available,

the Financial Respondent's HH-level information may not agree with the information given by individual Respondents in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible, we use HH level data to fill missing spouse/partners' information.

In Wave 2A, the S2HOSP is taken from spouses' or HH-level response. For all other waves, the spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3HOSP is taken from the Wave 3 spouse's R3HOSP variable.

Exit Interview Variables

REHOSP indicates whether the Respondent had died in a hospital or had any overnight hospital stays between the last Core Interview and death.

REHSPTIM is the reported number of stays in a hospital between the last Core Interview and death. If the proxy indicates the Respondent had an overnight hospital stay at or before death, died in the hospital, or had an overnight hospital stay between the last Core Interview and death (i.e., REHOSP="1.Yes"), and the number of stays in a hospital (REHSPTIM) is zero or missing, we assign REHSPTIM a value of "1," indicating one stay in a hospital.

REHSPNIT is the total number of nights spent in the hospital over all stays between the previous interview and death. When REHOSP indicates hospital utilization, we use one of two methods to calculate REHSPNIT. If the proxy gives dates of hospital stays that begin after the Respondent's last Core Interview, we use the dates provided by the proxy; however, if the proxy gives an event of hospital utilization that begins before the last Core Interview date, we calculate REHSPNIT beginning with the last Core Interview date and ending with the death date. If the proxy does not report that the Respondent had any hospital stay, then both REHSPTIM and REHSPNIT are set to zero.

Please note that it is not uncommon for the last Core Interview to be more than two years before the Exit interview, allowing for REHSPNIT to be greater than 730 nights. REHSPNIT can also indicate a fraction of a day, as in some cases, the amount of time spent in a hospital can be as little as an hour or ".042" of a day.

Core and Exit Differences

Core and Exit Interviews use different reference periods. The Core Interview uses the current and previous interview dates as the endpoints, whereas the Exit Interview uses the last Core Interview date and the death date.

From Exit Interview Wave 3 forward, there are two possible sets of questions to generate derived variables related to hospital utilization; time spent in a hospital before death; and the total number of nights spent in a hospital between the last Core Interview and death. The Core Interview has only one question.

Cross Wave Differences in Original HRS Data

Core Interview Variables

The questions about medical service utilization vary across waves. Waves 1 and 2A questions ask about the last 12 months, while questions in subsequent waves ask about the period since the previous interview or the last 2 years.

In Wave 1, questions ask about hospital and nursing home stays, doctor visits, and home health care. In Wave 2H, questions are added that ask about prescription drugs. In Wave 2A and from Wave 3 forward, questions are added that ask about outpatient surgery, dentist, and special facilities or services.

In Wave 2A, the Financial Respondent was asked the medical utilization and expenditure questions, which differs from all other waves. Questions asked only of the Financial Respondent yield HH-level data, and those asked of all Respondents yield Respondent-level data. Note that when both levels are available the Financial Respondent's HH-level information may not agree with the information given by individual Respondents in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible for utilization variables, we use HH level data to fill missing spouse/partners' information.

For hospital stays, the questions ask if the Respondent was a patient overnight, how many times, and how many nights altogether. In Wave 2A and from Wave 3 on, the question wording refers to "how many different times," instead of "how many times."

Exit Interview Variables

From Wave 3H forward, if the Respondent died in the hospital, the proxy is asked a separate question about the duration of the final hospital stay in addition to the question about the duration of all hospital stays between the last Core Interview and death.

From Wave 7 forward, the number of stays in a hospital can include stays in mental hospitals and sanitariums.

HRS Variables Used

Core Interview Variables

```
HRS 1992:
    V10533          B45:PST YR:HOSP OVRN:IND
    V533            B45:PST YR:HOSP OVRN:IMP
    V534            B45A:PST YR:TIMES HO:IMP
    V535            B45B:PST YR:#NIGHTS :IMP
AHEAD 1993:
    B605R           E1. R IN HOSPITAL LAST 12 MOS
    B606            E2. # TIMES R IN HOSPITAL LAST 12 MOS
    B607            E3. # NIGHTS IN HOSPITAL LAST 12 MOS
HRS 1994:
    W410            B29.HOSPITAL OVERNIGHT
    W411            B29a.TIMES IN HOSPITAL O
    W412            B29b.NUMBER OF NIGHTS IN
AHEAD 1995:
    D1664           E1. HOSPITAL
    D1665           E2. HOSPITAL TIMES
    D1666           E3. HOSP-1 #NIGHTS
HRS 1996:
    E1770           E1. HOSPITAL-YR
    E1771           E2. HOSPITAL TIMES
    E1772           E3. HOSP-1 #NIGHTS
HRS 1998:
    F2295           E1. HOSPITAL-YR
    F2296           E2. HOSPITAL TIMES
    F2297           E3. HOSP-1 #NIGHTS
HRS 2000:
    G2567           E1. HOSPITAL-YR
    G2568           E2. HOSPITAL TIMES
    G2569           E3. HOSP-1 #NIGHTS
HRS 2002-2022:
    xN099           OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
    xN100           NUM TIMES R STAYED OVERNIGHT IN HOSP
    xN101           NUM NIGHTS R SPENT OVERNIGHT IN HOSPITAL
```

Exit Interview Variables

```
HRS 1994:
    W410            B29.HOSPITAL OVERNIGHT
    W411            B29a.TIMES IN HOSPITAL O
    W412            B29b.NUMBER OF NIGHTS IN
    W413            B29b.UNITS IN HOSPITAL
AHEAD 1995:
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    N1664           E1.HOSPITAL-YR
    N1665           E2.HOSPITAL TIMES
    N1666           E3.HOSP-1 #NIGHTS
HRS 1996:
    P1238           Ex1.HOSPITAL # NIGHTS - FINAL
    P1238A          Ex1.HOSPITAL # NIGHTS - FINAL -PER
    P1245           E1. HOSPITAL-YR
    P1246           E2. HOSPITAL TIMES
    P1247           E3. HOSP-1 #NIGHTS
HRS 2002-2022:
    xN099           OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
    xN100           NUM TIMES R STAYED OVERNIGHT IN HOSP
    xN101           NUM NIGHTS R SPENT OVERNIGHT IN HOSPITAL
    xN301           TIME IN HOSPITAL BEFORE DEATH
    xN302           TIME IN HOSPITAL BEFORE DEATH- UNIT
```

Medical care utilization: Nursing Home

Wave	Variable	Label	Type
1	R1NRSHOM	R1NRSHOM:W1 Nurs home stay, prv 12 mos	Categ
2	R2NRSHOM	R2NRSHOM:W2 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
3	R3NRSHOM	R3NRSHOM:W3 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
4	R4NRSHOM	R4NRSHOM:W4 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
5	R5NRSHOM	R5NRSHOM:W5 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
6	R6NRSHOM	R6NRSHOM:W6 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
7	R7NRSHOM	R7NRSHOM:W7 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
8	R8NRSHOM	R8NRSHOM:W8 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
9	R9NRSHOM	R9NRSHOM:W9 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
10	R10NRSHOM	R10NRSHOM:W10 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
11	R11NRSHOM	R11NRSHOM:W11 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
12	R12NRSHOM	R12NRSHOM:W12 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
13	R13NRSHOM	R13NRSHOM:W13 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
14	R14NRSHOM	R14NRSHOM:W14 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
15	R15NRSHOM	R15NRSHOM:W15 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
16	R16NRSHOM	R16NRSHOM:W16 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
1	S1NRSHOM	S1NRSHOM:W1 Nurs home stay, prv 12 mos	Categ
2	S2NRSHOM	S2NRSHOM:W2 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
3	S3NRSHOM	S3NRSHOM:W3 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
4	S4NRSHOM	S4NRSHOM:W4 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
5	S5NRSHOM	S5NRSHOM:W5 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
6	S6NRSHOM	S6NRSHOM:W6 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
7	S7NRSHOM	S7NRSHOM:W7 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
8	S8NRSHOM	S8NRSHOM:W8 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
9	S9NRSHOM	S9NRSHOM:W9 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
10	S10NRSHOM	S10NRSHOM:W10 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
11	S11NRSHOM	S11NRSHOM:W11 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
12	S12NRSHOM	S12NRSHOM:W12 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
13	S13NRSHOM	S13NRSHOM:W13 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
14	S14NRSHOM	S14NRSHOM:W14 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
15	S15NRSHOM	S15NRSHOM:W15 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
16	S16NRSHOM	S16NRSHOM:W16 Nurs home stay, prv 2 yrs/since PrvIvw	Categ
1	R1NRSTIM	R1NRSTIM:W1 # Nurs home stays, prv 12 mos	Cont
2	R2NRSTIM	R2NRSTIM:W2 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
3	R3NRSTIM	R3NRSTIM:W3 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
4	R4NRSTIM	R4NRSTIM:W4 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
5	R5NRSTIM	R5NRSTIM:W5 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
6	R6NRSTIM	R6NRSTIM:W6 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
7	R7NRSTIM	R7NRSTIM:W7 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
8	R8NRSTIM	R8NRSTIM:W8 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
9	R9NRSTIM	R9NRSTIM:W9 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
10	R10NRSTIM	R10NRSTIM:W10 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
11	R11NRSTIM	R11NRSTIM:W11 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
12	R12NRSTIM	R12NRSTIM:W12 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
13	R13NRSTIM	R13NRSTIM:W13 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
14	R14NRSTIM	R14NRSTIM:W14 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
15	R15NRSTIM	R15NRSTIM:W15 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
16	R16NRSTIM	R16NRSTIM:W16 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
1	S1NRSTIM	S1NRSTIM:W1 # Nurs home stays, prv 12 mos	Cont
2	S2NRSTIM	S2NRSTIM:W2 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
3	S3NRSTIM	S3NRSTIM:W3 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
4	S4NRSTIM	S4NRSTIM:W4 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
5	S5NRSTIM	S5NRSTIM:W5 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
6	S6NRSTIM	S6NRSTIM:W6 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
7	S7NRSTIM	S7NRSTIM:W7 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
8	S8NRSTIM	S8NRSTIM:W8 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
9	S9NRSTIM	S9NRSTIM:W9 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
10	S10NRSTIM	S10NRSTIM:W10 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
11	S11NRSTIM	S11NRSTIM:W11 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
12	S12NRSTIM	S12NRSTIM:W12 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
13	S13NRSTIM	S13NRSTIM:W13 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
14	S14NRSTIM	S14NRSTIM:W14 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont
15	S15NRSTIM	S15NRSTIM:W15 # Nurs home stays, prv 2 yrs/since PrvIvw	Cont

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16    S16NRSTIM           S16NRSTIM:W16 # Nurs home stays, prv 2 yrs/since PrvIvw            Cont

 1    R1NRSNIT            R1NRSNIT:W1 # Nights in nurs home, prv 12 mos                      Cont
 2    R2NRSNIT            R2NRSNIT:W2 # Nights in nurs home, prv 2 yrs/since PrvIvw          Cont
 3    R3NRSNIT            R3NRSNIT:W3 # Nights in nurs home, prv 2 yrs/since PrvIvw          Cont
 4    R4NRSNIT            R4NRSNIT:W4 # Nights in nurs home, prv 2 yrs/since PrvIvw          Cont
 5    R5NRSNIT            R5NRSNIT:W5 # Nights in nurs home, prv 2 yrs/since PrvIvw          Cont
 6    R6NRSNIT            R6NRSNIT:W6 # Nights in nurs home, prv 2 yrs/since PrvIvw          Cont
 7    R7NRSNIT            R7NRSNIT:W7 # Nights in nurs home, prv 2 yrs/since PrvIvw          Cont
 8    R8NRSNIT            R8NRSNIT:W8 # Nights in nurs home, prv 2 yrs/since PrvIvw          Cont
 9    R9NRSNIT            R9NRSNIT:W9 # Nights in nurs home, prv 2 yrs/since PrvIvw          Cont
10    R10NRSNIT           R10NRSNIT:W10 # Nights in nurs home, prv 2 yrs/since PrvIvw        Cont
11    R11NRSNIT           R11NRSNIT:W11 # Nights in nurs home, prv 2 yrs/since PrvIvw        Cont
12    R12NRSNIT           R12NRSNIT:W12 # Nights in nurs home, prv 2 yrs/since PrvIvw        Cont
13    R13NRSNIT           R13NRSNIT:W13 # Nights in nurs home, prv 2 yrs/since PrvIvw        Cont
14    R14NRSNIT           R14NRSNIT:W14 # Nights in nurs home, prv 2 yrs/since PrvIvw        Cont
15    R15NRSNIT           R15NRSNIT:W15 # Nights in nurs home, prv 2 yrs/since PrvIvw        Cont
16    R16NRSNIT           R16NRSNIT:W16 # Nights in nurs home, prv 2 yrs/since PrvIvw        Cont

 1    S1NRSNIT            S1NRSNIT:W1 # Nights in nurs home, prv 12 mos                      Cont
 2    S2NRSNIT            S2NRSNIT:W2 # Nights in nurs home, prv 2 yrs/since PrvIvw          Cont
 3    S3NRSNIT            S3NRSNIT:W3 # Nights in nurs home, prv 2 yrs/since PrvIvw          Cont
 4    S4NRSNIT            S4NRSNIT:W4 # Nights in nurs home, prv 2 yrs/since PrvIvw          Cont
 5    S5NRSNIT            S5NRSNIT:W5 # Nights in nurs home, prv 2 yrs/since PrvIvw          Cont
 6    S6NRSNIT            S6NRSNIT:W6 # Nights in nurs home, prv 2 yrs/since PrvIvw          Cont
 7    S7NRSNIT            S7NRSNIT:W7 # Nights in nurs home, prv 2 yrs/since PrvIvw          Cont
 8    S8NRSNIT            S8NRSNIT:W8 # Nights in nurs home, prv 2 yrs/since PrvIvw          Cont
 9    S9NRSNIT            S9NRSNIT:W9 # Nights in nurs home, prv 2 yrs/since PrvIvw          Cont
10    S10NRSNIT           S10NRSNIT:W10 # Nights in nurs home, prv 2 yrs/since PrvIvw        Cont
11    S11NRSNIT           S11NRSNIT:W11 # Nights in nurs home, prv 2 yrs/since PrvIvw        Cont
12    S12NRSNIT           S12NRSNIT:W12 # Nights in nurs home, prv 2 yrs/since PrvIvw        Cont
13    S13NRSNIT           S13NRSNIT:W13 # Nights in nurs home, prv 2 yrs/since PrvIvw        Cont
14    S14NRSNIT           S14NRSNIT:W14 # Nights in nurs home, prv 2 yrs/since PrvIvw        Cont
15    S15NRSNIT           S15NRSNIT:W15 # Nights in nurs home, prv 2 yrs/since PrvIvw        Cont
16    S16NRSNIT           S16NRSNIT:W16 # Nights in nurs home, prv 2 yrs/since PrvIvw        Cont

 1    R1NHMLIV            R1NHMLIV:W1 Live in Nurs home at Ivw                              Categ
 2    R2NHMLIV            R2NHMLIV:W2 Live in Nurs home at Ivw                              Categ
 3    R3NHMLIV            R3NHMLIV:W3 Live in Nurs home at Ivw                              Categ
 4    R4NHMLIV            R4NHMLIV:W4 Live in Nurs home at Ivw                              Categ
 5    R5NHMLIV            R5NHMLIV:W5 Live in Nurs home at Ivw                              Categ
 6    R6NHMLIV            R6NHMLIV:W6 Live in Nurs home at Ivw                              Categ
 7    R7NHMLIV            R7NHMLIV:W7 Live in Nurs home at Ivw                              Categ
 8    R8NHMLIV            R8NHMLIV:W8 Live in Nurs home at Ivw                              Categ
 9    R9NHMLIV            R9NHMLIV:W9 Live in Nurs home at Ivw                              Categ
10    R10NHMLIV           R10NHMLIV:W10 Live in Nurs home at Ivw                            Categ
11    R11NHMLIV           R11NHMLIV:W11 Live in Nurs home at Ivw                            Categ
12    R12NHMLIV           R12NHMLIV:W12 Live in Nurs home at Ivw                            Categ
13    R13NHMLIV           R13NHMLIV:W13 Live in Nurs home at Ivw                            Categ
14    R14NHMLIV           R14NHMLIV:W14 Live in Nurs home at Ivw                            Categ
15    R15NHMLIV           R15NHMLIV:W15 Live in Nurs home at Ivw                            Categ
16    R16NHMLIV           R16NHMLIV:W16 Live in Nurs home at Ivw                            Categ

 1    S1NHMLIV            S1NHMLIV:W1 Live in Nurs home at Ivw                              Categ
 2    S2NHMLIV            S2NHMLIV:W2 Live in Nurs home at Ivw                              Categ
 3    S3NHMLIV            S3NHMLIV:W3 Live in Nurs home at Ivw                              Categ
 4    S4NHMLIV            S4NHMLIV:W4 Live in Nurs home at Ivw                              Categ
 5    S5NHMLIV            S5NHMLIV:W5 Live in Nurs home at Ivw                              Categ
 6    S6NHMLIV            S6NHMLIV:W6 Live in Nurs home at Ivw                              Categ
 7    S7NHMLIV            S7NHMLIV:W7 Live in Nurs home at Ivw                              Categ
 8    S8NHMLIV            S8NHMLIV:W8 Live in Nurs home at Ivw                              Categ
 9    S9NHMLIV            S9NHMLIV:W9 Live in Nurs home at Ivw                              Categ
10    S10NHMLIV           S10NHMLIV:W10 Live in Nurs home at Ivw                            Categ
11    S11NHMLIV           S11NHMLIV:W11 Live in Nurs home at Ivw                            Categ
12    S12NHMLIV           S12NHMLIV:W12 Live in Nurs home at Ivw                            Categ
13    S13NHMLIV           S13NHMLIV:W13 Live in Nurs home at Ivw                            Categ
14    S14NHMLIV           S14NHMLIV:W14 Live in Nurs home at Ivw                            Categ
15    S15NHMLIV           S15NHMLIV:W15 Live in Nurs home at Ivw                            Categ
16    S16NHMLIV           S16NHMLIV:W16 Live in Nurs home at Ivw                            Categ

 3    R3NHMMVY            R3NHMMVY:W3 Year moved to Nurs home                               Cont
 4    R4NHMMVY            R4NHMMVY:W4 Year moved to Nurs home                               Cont
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5	R5NHMMVY	R5NHMMVY:W5 Year moved to Nurs home	Cont
6	R6NHMMVY	R6NHMMVY:W6 Year moved to Nurs home	Cont
7	R7NHMMVY	R7NHMMVY:W7 Year moved to Nurs home	Cont
8	R8NHMMVY	R8NHMMVY:W8 Year moved to Nurs home	Cont
9	R9NHMMVY	R9NHMMVY:W9 Year moved to Nurs home	Cont
10	R10NHMMVY	R10NHMMVY:W10 Year moved to Nurs home	Cont
11	R11NHMMVY	R11NHMMVY:W11 Year moved to Nurs home	Cont
12	R12NHMMVY	R12NHMMVY:W12 Year moved to Nurs home	Cont
13	R13NHMMVY	R13NHMMVY:W13 Year moved to Nurs home	Cont
14	R14NHMMVY	R14NHMMVY:W14 Year moved to Nurs home	Cont
15	R15NHMMVY	R15NHMMVY:W15 Year moved to Nurs home	Cont
16	R16NHMMVY	R16NHMMVY:W16 Year moved to Nurs home	Cont
3	S3NHMMVY	S3NHMMVY:W3 Year moved to Nurs home	Cont
4	S4NHMMVY	S4NHMMVY:W4 Year moved to Nurs home	Cont
5	S5NHMMVY	S5NHMMVY:W5 Year moved to Nurs home	Cont
6	S6NHMMVY	S6NHMMVY:W6 Year moved to Nurs home	Cont
7	S7NHMMVY	S7NHMMVY:W7 Year moved to Nurs home	Cont
8	S8NHMMVY	S8NHMMVY:W8 Year moved to Nurs home	Cont
9	S9NHMMVY	S9NHMMVY:W9 Year moved to Nurs home	Cont
10	S10NHMMVY	S10NHMMVY:W10 Year moved to Nurs home	Cont
11	S11NHMMVY	S11NHMMVY:W11 Year moved to Nurs home	Cont
12	S12NHMMVY	S12NHMMVY:W12 Year moved to Nurs home	Cont
13	S13NHMMVY	S13NHMMVY:W13 Year moved to Nurs home	Cont
14	S14NHMMVY	S14NHMMVY:W14 Year moved to Nurs home	Cont
15	S15NHMMVY	S15NHMMVY:W15 Year moved to Nurs home	Cont
16	S16NHMMVY	S16NHMMVY:W16 Year moved to Nurs home	Cont
3	R3NHMMVM	R3NHMMVM:W3 Month moved to Nurs home	Cont
4	R4NHMMVM	R4NHMMVM:W4 Month moved to Nurs home	Cont
5	R5NHMMVM	R5NHMMVM:W5 Month moved to Nurs home	Cont
6	R6NHMMVM	R6NHMMVM:W6 Month moved to Nurs home	Cont
7	R7NHMMVM	R7NHMMVM:W7 Month moved to Nurs home	Cont
8	R8NHMMVM	R8NHMMVM:W8 Month moved to Nurs home	Cont
9	R9NHMMVM	R9NHMMVM:W9 Month moved to Nurs home	Cont
10	R10NHMMVM	R10NHMMVM:W10 Month moved to Nurs home	Cont
11	R11NHMMVM	R11NHMMVM:W11 Month moved to Nurs home	Cont
12	R12NHMMVM	R12NHMMVM:W12 Month moved to Nurs home	Cont
13	R13NHMMVM	R13NHMMVM:W13 Month moved to Nurs home	Cont
14	R14NHMMVM	R14NHMMVM:W14 Month moved to Nurs home	Cont
15	R15NHMMVM	R15NHMMVM:W15 Month moved to Nurs home	Cont
16	R16NHMMVM	R16NHMMVM:W16 Month moved to Nurs home	Cont
3	S3NHMMVM	S3NHMMVM:W3 Month moved to Nurs home	Cont
4	S4NHMMVM	S4NHMMVM:W4 Month moved to Nurs home	Cont
5	S5NHMMVM	S5NHMMVM:W5 Month moved to Nurs home	Cont
6	S6NHMMVM	S6NHMMVM:W6 Month moved to Nurs home	Cont
7	S7NHMMVM	S7NHMMVM:W7 Month moved to Nurs home	Cont
8	S8NHMMVM	S8NHMMVM:W8 Month moved to Nurs home	Cont
9	S9NHMMVM	S9NHMMVM:W9 Month moved to Nurs home	Cont
10	S10NHMMVM	S10NHMMVM:W10 Month moved to Nurs home	Cont
11	S11NHMMVM	S11NHMMVM:W11 Month moved to Nurs home	Cont
12	S12NHMMVM	S12NHMMVM:W12 Month moved to Nurs home	Cont
13	S13NHMMVM	S13NHMMVM:W13 Month moved to Nurs home	Cont
14	S14NHMMVM	S14NHMMVM:W14 Month moved to Nurs home	Cont
15	S15NHMMVM	S15NHMMVM:W15 Month moved to Nurs home	Cont
16	S16NHMMVM	S16NHMMVM:W16 Month moved to Nurs home	Cont
3	R3NHMDAY	R3NHMDAY:W3 Days in Nurs home from Move/PrvIvw	Cont
4	R4NHMDAY	R4NHMDAY:W4 Days in Nurs home from Move/PrvIvw	Cont
5	R5NHMDAY	R5NHMDAY:W5 Days in Nurs home from Move/PrvIvw	Cont
6	R6NHMDAY	R6NHMDAY:W6 Days in Nurs home from Move/PrvIvw	Cont
7	R7NHMDAY	R7NHMDAY:W7 Days in Nurs home from Move/PrvIvw	Cont
8	R8NHMDAY	R8NHMDAY:W8 Days in Nurs home from Move/PrvIvw	Cont
9	R9NHMDAY	R9NHMDAY:W9 Days in Nurs home from Move/PrvIvw	Cont
10	R10NHMDAY	R10NHMDAY:W10 Days in Nurs home from Move/PrvIvw	Cont
11	R11NHMDAY	R11NHMDAY:W11 Days in Nurs home from Move/PrvIvw	Cont
12	R12NHMDAY	R12NHMDAY:W12 Days in Nurs home from Move/PrvIvw	Cont
13	R13NHMDAY	R13NHMDAY:W13 Days in Nurs home from Move/PrvIvw	Cont
14	R14NHMDAY	R14NHMDAY:W14 Days in Nurs home from Move/PrvIvw	Cont
15	R15NHMDAY	R15NHMDAY:W15 Days in Nurs home from Move/PrvIvw	Cont
16	R16NHMDAY	R16NHMDAY:W16 Days in Nurs home from Move/PrvIvw	Cont

3	S3NHMDAY	S3NHMDAY:W3 Days in Nurs home from Move/PrvIvw	Cont
4	S4NHMDAY	S4NHMDAY:W4 Days in Nurs home from Move/PrvIvw	Cont
5	S5NHMDAY	S5NHMDAY:W5 Days in Nurs home from Move/PrvIvw	Cont
6	S6NHMDAY	S6NHMDAY:W6 Days in Nurs home from Move/PrvIvw	Cont
7	S7NHMDAY	S7NHMDAY:W7 Days in Nurs home from Move/PrvIvw	Cont
8	S8NHMDAY	S8NHMDAY:W8 Days in Nurs home from Move/PrvIvw	Cont
9	S9NHMDAY	S9NHMDAY:W9 Days in Nurs home from Move/PrvIvw	Cont
10	S10NHMDAY	S10NHMDAY:W10 Days in Nurs home from Move/PrvIvw	Cont
11	S11NHMDAY	S11NHMDAY:W11 Days in Nurs home from Move/PrvIvw	Cont
12	S12NHMDAY	S12NHMDAY:W12 Days in Nurs home from Move/PrvIvw	Cont
13	S13NHMDAY	S13NHMDAY:W13 Days in Nurs home from Move/PrvIvw	Cont
14	S14NHMDAY	S14NHMDAY:W14 Days in Nurs home from Move/PrvIvw	Cont
15	S15NHMDAY	S15NHMDAY:W15 Days in Nurs home from Move/PrvIvw	Cont
16	S16NHMDAY	S16NHMDAY:W16 Days in Nurs home from Move/PrvIvw	Cont
E	RENRSHOM	RENRSHOM:EXIT NH stay	Categ
E	RENRSTIM	RENRSTIM:EXIT # NH stays	Cont
E	RENRSNIT	RENRSNIT:EXIT # Nights in NH	Cont
E	RENHMLIV	RENHMLIV:EXIT Lived in NH at time of death	Categ
E	RENHMMVY	RENHMMVY:EXIT Year moved to NH	Cont
E	RENHMMVM	RENHMMVM:EXIT Month moved to NH	Cont
E	RENHMDAY	RENHMDAY:EXIT Days in NH from move/PrvIvw before death	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1NRSHOM	12623	0.00	0.03	0.0	1.0
R2NRSHOM	19640	0.01	0.08	0.0	1.0
R3NRSHOM	17953	0.03	0.16	0.0	1.0
R4NRSHOM	21362	0.03	0.18	0.0	1.0
R5NRSHOM	19559	0.04	0.19	0.0	1.0
R6NRSHOM	18137	0.05	0.21	0.0	1.0
R7NRSHOM	20101	0.04	0.19	0.0	1.0
R8NRSHOM	18445	0.05	0.21	0.0	1.0
R9NRSHOM	17188	0.05	0.22	0.0	1.0
R10NRSHOM	21744	0.05	0.21	0.0	1.0
R11NRSHOM	20481	0.05	0.22	0.0	1.0
R12NRSHOM	18685	0.05	0.23	0.0	1.0
R13NRSHOM	20777	0.04	0.20	0.0	1.0
R14NRSHOM	17038	0.04	0.19	0.0	1.0
R15NRSHOM	15566	0.03	0.17	0.0	1.0
R16NRSHOM	15622	0.03	0.16	0.0	1.0
S1NRSHOM	9878	0.00	0.03	0.0	1.0
S2NRSHOM	13288	0.01	0.09	0.0	1.0
S3NRSHOM	11904	0.01	0.11	0.0	1.0
S4NRSHOM	13974	0.01	0.12	0.0	1.0
S5NRSHOM	12725	0.02	0.13	0.0	1.0
S6NRSHOM	11627	0.02	0.14	0.0	1.0
S7NRSHOM	12962	0.02	0.13	0.0	1.0
S8NRSHOM	11729	0.02	0.15	0.0	1.0
S9NRSHOM	10635	0.02	0.15	0.0	1.0
S10NRSHOM	13350	0.03	0.16	0.0	1.0
S11NRSHOM	12461	0.03	0.16	0.0	1.0
S12NRSHOM	10990	0.03	0.17	0.0	1.0
S13NRSHOM	11736	0.02	0.15	0.0	1.0
S14NRSHOM	9325	0.02	0.15	0.0	1.0
S15NRSHOM	8442	0.02	0.13	0.0	1.0
S16NRSHOM	7803	0.01	0.12	0.0	1.0

R1NRSTIM	12623	0.00	0.03	0.0	1.0
R2NRSTIM	19636	0.01	0.39	0.0	50.0
R3NRSTIM	17941	0.03	0.25	0.0	11.0
R4NRSTIM	21333	0.04	0.62	0.0	73.0
R5NRSTIM	19538	0.04	0.26	0.0	10.0
R6NRSTIM	18107	0.06	0.57	0.0	58.0
R7NRSTIM	20077	0.05	0.69	0.0	71.0
R8NRSTIM	18426	0.06	0.49	0.0	30.0
R9NRSTIM	17165	0.07	0.92	0.0	95.0
R10NRSTIM	21709	0.08	1.37	0.0	95.0
R11NRSTIM	20407	0.08	1.52	0.0	95.0
R12NRSTIM	18612	0.09	1.40	0.0	95.0
R13NRSTIM	20723	0.09	1.75	0.0	100.0
R14NRSTIM	16991	0.08	1.55	0.0	100.0
R15NRSTIM	15524	0.05	0.87	0.0	100.0
R16NRSTIM	15559	0.05	1.20	0.0	100.0
S1NRSTIM	9878	0.00	0.03	0.0	1.0
S2NRSTIM	13087	0.01	0.44	0.0	50.0
S3NRSTIM	11899	0.02	0.18	0.0	10.0
S4NRSTIM	13964	0.02	0.34	0.0	36.0
S5NRSTIM	12717	0.02	0.18	0.0	9.0
S6NRSTIM	11623	0.03	0.35	0.0	30.0
S7NRSTIM	12958	0.02	0.18	0.0	9.0
S8NRSTIM	11725	0.03	0.38	0.0	24.0
S9NRSTIM	10630	0.03	0.58	0.0	56.0
S10NRSTIM	13342	0.05	1.27	0.0	95.0
S11NRSTIM	12451	0.04	0.39	0.0	36.0
S12NRSTIM	10974	0.04	0.76	0.0	76.0
S13NRSTIM	11724	0.03	0.35	0.0	20.0
S14NRSTIM	9313	0.03	0.30	0.0	20.0
S15NRSTIM	8432	0.02	0.29	0.0	20.0
S16NRSTIM	7788	0.02	0.25	0.0	10.0
R1NRSNIT	12623	0.10	4.91	0.0	365.0
R2NRSNIT	19630	0.33	7.43	0.0	450.0
R3NRSNIT	17926	6.10	56.95	0.0	1644.0
R4NRSNIT	21328	9.50	77.43	0.0	1440.0
R5NRSNIT	19524	10.94	82.56	0.0	1674.0
R6NRSNIT	18096	12.99	97.05	0.0	2283.0
R7NRSNIT	20069	11.02	83.91	0.0	3349.0
R8NRSNIT	18411	12.31	89.30	0.0	2344.0
R9NRSNIT	17147	13.06	90.58	0.0	1614.0
R10NRSNIT	21695	12.57	103.68	0.0	5325.0
R11NRSNIT	20404	10.78	82.61	0.0	2922.0
R12NRSNIT	18634	11.86	83.74	0.0	1620.0
R13NRSNIT	20708	9.24	83.37	0.0	1795.0
R14NRSNIT	16980	5.87	59.26	0.0	2010.0
R15NRSNIT	15537	5.12	58.21	0.0	1461.0
R16NRSNIT	15570	5.19	70.53	0.0	3987.0
S1NRSNIT	9878	0.10	5.15	0.0	365.0
S2NRSNIT	13084	0.18	5.46	0.0	360.0
S3NRSNIT	11896	3.01	43.10	0.0	1644.0
S4NRSNIT	13966	3.17	44.97	0.0	1308.0
S5NRSNIT	12715	3.55	46.67	0.0	1583.0
S6NRSNIT	11618	3.65	50.67	0.0	2252.0
S7NRSNIT	12960	2.77	39.62	0.0	1371.0
S8NRSNIT	11720	3.42	45.70	0.0	2100.0

S9NRSNIT	10629	3.10	39.50	0.0	945.0
S10NRSNIT	13340	3.78	46.77	0.0	1034.0
S11NRSNIT	12439	3.96	50.70	0.0	2922.0
S12NRSNIT	10978	3.54	42.36	0.0	1200.0
S13NRSNIT	11720	3.24	47.93	0.0	1659.0
S14NRSNIT	9312	2.60	39.78	0.0	2010.0
S15NRSNIT	8435	2.19	37.56	0.0	1140.0
S16NRSNIT	7791	1.70	31.14	0.0	883.0
R1NHMLIV	12652	0.00	0.00	0.0	0.0
R2NHMLIV	19642	0.00	0.02	0.0	1.0
R3NHMLIV	17991	0.02	0.13	0.0	1.0
R4NHMLIV	21384	0.02	0.14	0.0	1.0
R5NHMLIV	19578	0.02	0.15	0.0	1.0
R6NHMLIV	18165	0.03	0.16	0.0	1.0
R7NHMLIV	20129	0.02	0.15	0.0	1.0
R8NHMLIV	18469	0.02	0.15	0.0	1.0
R9NHMLIV	17217	0.03	0.16	0.0	1.0
R10NHMLIV	22034	0.02	0.14	0.0	1.0
R11NHMLIV	20554	0.02	0.15	0.0	1.0
R12NHMLIV	18747	0.02	0.15	0.0	1.0
R13NHMLIV	20912	0.01	0.12	0.0	1.0
R14NHMLIV	17146	0.01	0.10	0.0	1.0
R15NHMLIV	15723	0.01	0.09	0.0	1.0
R16NHMLIV	15787	0.01	0.09	0.0	1.0
S1NHMLIV	9900	0.00	0.00	0.0	0.0
S2NHMLIV	13090	0.00	0.02	0.0	1.0
S3NHMLIV	11917	0.01	0.08	0.0	1.0
S4NHMLIV	13980	0.01	0.08	0.0	1.0
S5NHMLIV	12730	0.01	0.09	0.0	1.0
S6NHMLIV	11639	0.01	0.08	0.0	1.0
S7NHMLIV	12972	0.01	0.08	0.0	1.0
S8NHMLIV	11735	0.01	0.08	0.0	1.0
S9NHMLIV	10646	0.01	0.08	0.0	1.0
S10NHMLIV	13513	0.01	0.09	0.0	1.0
S11NHMLIV	12484	0.01	0.09	0.0	1.0
S12NHMLIV	11012	0.01	0.09	0.0	1.0
S13NHMLIV	11779	0.01	0.07	0.0	1.0
S14NHMLIV	9358	0.00	0.06	0.0	1.0
S15NHMLIV	8477	0.00	0.06	0.0	1.0
S16NHMLIV	7840	0.00	0.05	0.0	1.0
R3NHMMVY	290	1994.48	1.52	1978.0	1996.0
R4NHMMVY	416	1995.53	6.17	1919.0	1999.0
R5NHMMVY	449	1997.99	2.78	1968.0	2000.0
R6NHMMVY	434	1999.64	5.31	1910.0	2002.0
R7NHMMVY	436	2001.69	2.64	1984.0	2005.0
R8NHMMVY	421	2002.61	9.79	1913.0	2007.0
R9NHMMVY	411	2005.93	2.33	1994.0	2008.0
R10NHMMVY	443	2007.90	3.36	1963.0	2011.0
R11NHMMVY	450	2009.54	5.19	1917.0	2013.0
R12NHMMVY	410	2011.43	3.02	1984.0	2014.0
R13NHMMVY	282	2013.46	3.87	1985.0	2017.0
R14NHMMVY	166	2015.58	2.93	2004.0	2019.0
R15NHMMVY	116	2016.66	4.78	1994.0	2021.0
R16NHMMVY	128	2018.85	4.95	1996.0	2023.0
S3NHMMVY	80	1994.13	2.31	1978.0	1996.0

S4NHMMVY	85	1993.26	11.57	1919.0	1999.0
S5NHMMVY	93	1997.63	4.07	1968.0	2000.0
S6NHMMVY	73	2000.03	2.25	1989.0	2002.0
S7NHMMVY	76	2002.13	2.80	1989.0	2004.0
S8NHMMVY	82	2003.40	7.91	1935.0	2006.0
S9NHMMVY	75	2006.61	1.77	1999.0	2008.0
S10NHMMVY	107	2008.83	1.97	1998.0	2011.0
S11NHMMVY	95	2010.14	2.28	1998.0	2013.0
S12NHMMVY	80	2012.18	2.09	2002.0	2014.0
S13NHMMVY	64	2014.11	3.32	1995.0	2017.0
S14NHMMVY	34	2015.29	3.21	2004.0	2018.0
S15NHMMVY	25	2017.96	1.59	2012.0	2020.0
S16NHMMVY	21	2019.38	2.48	2012.0	2022.0
R3NHMMVM	289	5.90	3.73	1.0	12.0
R4NHMMVM	412	5.75	3.54	1.0	12.0
R5NHMMVM	435	5.84	3.43	1.0	12.0
R6NHMMVM	382	5.99	3.38	1.0	12.0
R7NHMMVM	388	5.95	3.30	1.0	12.0
R8NHMMVM	380	6.43	3.37	1.0	12.0
R9NHMMVM	368	6.50	3.37	1.0	12.0
R10NHMMVM	406	7.03	3.35	1.0	12.0
R11NHMMVM	419	6.38	3.49	1.0	12.0
R12NHMMVM	389	6.49	3.45	1.0	12.0
R13NHMMVM	258	6.33	3.47	1.0	12.0
R14NHMMVM	161	6.32	3.41	1.0	12.0
R15NHMMVM	111	6.31	3.40	1.0	12.0
R16NHMMVM	123	5.69	3.33	1.0	12.0
S3NHMMVM	78	6.13	3.92	1.0	12.0
S4NHMMVM	84	5.12	3.50	1.0	12.0
S5NHMMVM	90	5.58	3.39	1.0	12.0
S6NHMMVM	66	7.09	3.62	1.0	12.0
S7NHMMVM	70	5.91	3.29	1.0	12.0
S8NHMMVM	77	6.55	3.34	1.0	12.0
S9NHMMVM	70	7.09	3.38	1.0	12.0
S10NHMMVM	106	6.92	3.57	1.0	12.0
S11NHMMVM	92	5.55	3.54	1.0	12.0
S12NHMMVM	77	6.88	3.87	1.0	12.0
S13NHMMVM	61	6.80	3.38	1.0	12.0
S14NHMMVM	32	6.19	3.72	1.0	12.0
S15NHMMVM	24	7.17	3.27	1.0	12.0
S16NHMMVM	22	6.36	3.05	1.0	12.0
R3NHMDAY	290	369.55	266.00	15.0	1644.0
R4NHMDAY	416	455.20	303.56	15.0	1612.0
R5NHMDAY	449	467.11	304.02	15.0	1736.0
R6NHMDAY	434	516.16	339.91	15.0	2283.0
R7NHMDAY	435	468.60	308.10	15.0	3349.0
R8NHMDAY	421	483.27	300.62	15.0	2100.0
R9NHMDAY	411	477.39	306.34	15.0	1614.0
R10NHMDAY	443	533.24	351.49	15.0	1765.0
R11NHMDAY	450	446.70	289.83	15.0	2769.0
R12NHMDAY	410	481.98	267.05	15.0	1371.0
R13NHMDAY	282	569.62	341.39	15.0	1795.0
R14NHMDAY	166	481.92	306.36	15.0	2010.0
R15NHMDAY	116	558.04	303.02	15.0	1339.0
R16NHMDAY	128	620.55	503.76	15.0	3987.0

S3NHMDAY	80	419.76	312.00	15.0	1644.0
S4NHMDAY	85	479.51	327.14	15.0	1612.0
S5NHMDAY	93	455.94	307.90	15.0	1583.0
S6NHMDAY	73	498.68	359.12	15.0	2252.0
S7NHMDAY	76	385.86	307.38	15.0	1371.0
S8NHMDAY	82	417.56	345.16	15.0	2100.0
S9NHMDAY	75	371.41	267.35	15.0	945.0
S10NHMDAY	107	414.84	306.97	15.0	1034.0
S11NHMDAY	95	409.89	244.03	15.0	884.0
S12NHMDAY	80	424.94	286.98	15.0	1371.0
S13NHMDAY	64	502.67	384.68	15.0	1659.0
S14NHMDAY	34	520.97	365.82	61.0	2010.0
S15NHMDAY	25	594.48	318.11	30.0	1126.0
S16NHMDAY	21	534.86	271.09	30.0	944.0
RENRSHOM	17633	0.43	0.50	0.0	1.0
RENRSTIM	17558	0.58	1.66	0.0	100.0
RENRSNIT	16746	79.79	190.29	0.0	3328.0
RENHMLIV	17536	0.32	0.47	0.0	1.0
RENHMMVY	5471	2006.89	7.82	1965.0	2023.0
RENHMMVM	5087	6.35	3.47	1.0	12.0
RENHMDAY	5341	234.59	260.94	8.0	2877.0

Categorical Variable Codes

RwNRSHOM: Nurs home stay, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	7		1		1	6	3	4	8	15
.J=Web interview, missing										
.M=Oth missing	22	1	35	18	17	15	18	16	16	262
.R=RF		1	2	4	1	7	7	4	5	13
0.No	12609	19508	17456	20651	18836	17303	19306	17580	16319	20701
1.Yes	14	132	497	711	723	834	795	865	869	1043

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	7	12	11	7	12	7
.J=Web interview, missing				8	8	5
.M=Oth missing	63	48	117	88	128	140
.R=RF	3	2	7	5	9	13
0.No	19469	17679	19919	16392	15094	15196
1.Yes	1012	1006	858	646	472	426

SwNRSHOM: Nurs home stay, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	6					3	1	1	4	4
.J=Web interview, missing										
.M=Oth missing	16	1	13	6	5	5	4	3	4	150
.R=RF		1				4	5	2	3	9
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
0.No	9868	13186	11753	13777	12522	11384	12750	11464	10399	13003
1.Yes	10	102	151	197	203	243	212	265	236	347

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	2	6	4	3	2	2
.J=Web interview, missing				3	6	2
.M=Oth missing	19	15	34	26	23	27
.R=RF	2	1	5	1	4	6
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	12134	10675	11478	9112	8301	7693
1.Yes	327	315	258	213	141	110

RwNHMLIV: Live in Nurs home at Ivw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	12652	19634	17693	20955	19122	17705	19669	18031	16776	21565
1.Yes		8	298	429	456	460	460	438	441	469

Value	w11	w12	w13	w14	w15	w16
0.No	20076	18305	20603	16963	15592	15645
1.Yes	478	442	309	183	131	142

SwNHMLIV: Live in Nurs home at Ivw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	9900	13087	11835	13892	12635	11557	12892	11652	10570	13405
1.Yes		3	82	88	95	82	80	83	76	108

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	12387	10930	11713	9320	8449	7817
1.Yes	97	82	66	38	28	23

RENRSHOM: EXIT NH stay

Value	
.D=DK	52
.M=Oth missing	24
.R=RF	3
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	9984
1.Yes	7649

RENHMLIV: EXIT Lived in NH at time of death

Value	
.D=DK	1
.Q=Not asked this wave	175
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	11867
1.Yes	5669

How Constructed

Core Interview Variables

RwNRSHOM indicates whether the Respondent reports any overnight nursing home stay in the reference period. In Waves 1 and 2A, the reference period is 12 months, in other waves it is the period since the last interview, or the last 2 years for new interviewees. If the Respondent reports any overnight nursing home stay, RwNRSTIM is the reported number of stays, and RwNRSNIT is the reported number of nights over all stays.

From Wave 3 forward, a set of related variables provides information about nursing home residence when the Respondent is living in a nursing home at the time of the interview. RwNHMLIV indicates whether the Respondent lives in a nursing home or other health care facility at the time of the interview. For those living in a nursing home, RwNHMMVY and RwNHMMVM give the year and month of moving into the facility. RwNHMDAY is the calculated number of days since the last interview that the Respondent has been living in a nursing home. If the move-in date is after the previous interview then RwNHMDAY is assigned the number of days between the 15th of the move-in month and the 15th of the current interview month. If the move-in date is earlier than the previous interview then RwNHMDAY is assigned the number of days between interviews.

Beginning with Tracker 2004 V1, HRS implemented a verified nursing home residence flag for each wave (xNURSHM). From Wave 5 forward, there are cases at each interview where this information conflicts with nursing home residency reported in the core data cover sheet section. This is especially true from Wave 13 forward, where the Tracker nursing home residence flag contains a new value of "2" (Interviewed in community this wave [yes to xA028 AND residence confirmed as other than nursing home]). We incorporate the verified nursing home information from Tracker with nursing home utilization information. The question about any nursing home stay is filled by default as "Yes" for those living in a nursing home; in some cases the interviewer seems to have over-ridden this with a "No," but in others this did not occur. We examine these cases for length of stay, residency move-in date, and missing answers to estimate whether there is any nursing home utilization besides the residency reported in the core data, which HRS has determined is NOT a nursing home. If the length of stay is reported as zero nights, continuous since move-in (996), or is about the same as the length of residency as determined from move-in dates, then we assume that the stay is the same as the residence which is not a nursing home, i.e., that there is no nursing home utilization. If the answers to the number of times or number of nights are missing, we assume these indicate the realization that the current residence is not a nursing home, without knowing how to undo the default assumption of a nursing home stay, so in this case we also assume no nursing home utilization. If the number of stays is given as 5, we assume

this was intended to be the normal code for "No," and assume no nursing home utilization in this situation as well. We also apply the Tracker information to RwNHMLIV, RwNHMMVM, RwNHMMVY, and RwNHMDAY. If Tracker indicates that the Respondent is not a nursing home resident, RwNHMLIV is set to "No" and the rest of the variables are irrelevant.

SwNRSHOM, SwNRSTIM, SwNRSNIT, SwNHMLIV, SwNHMMVY, SwNHMMVM, SwNHMDAY give this information for the Respondent's spouse or partner.

Medical care utilization variables are recoded for missing values. In Wave 1, the medical utilization variables are imputed in the original HRS data. Imputed values are recoded to missing. RwNRSHOM is recoded as a yes/no indicator. From Wave 3 forward, if the Respondent is currently in a nursing home, RwNRSHOM is set to yes. If the Respondent did not report any nursing home stay, then RwNRSTIM and RwNRSNIT are set to zero. Also from Wave 3 forward, the number of nights in a nursing home could be reported as 996, indicating "continuous since entered," if the Respondent is living in a nursing home at the time of the interview. For these cases, RwNHMDAY is assigned to RwNRSNIT, unless more than one stay is reported and the number of days for the current stay is less than the time since last interview. If more than one stay is reported and RwNHMDAY is less than the entire time since last interview, then RwNRSNIT is assigned the special missing value .L, as the length of at least one of the prior stays is unknown. If the previous interview was more than two years ago, then it is possible for RwNRSNIT to exceed 730 (365 x 2 years, 365 x 4 years, etc.). These high values can be checked against the INW variables, which indicate whether the Respondent was present for the Wave in question. The calculation of RwNRSNIT also takes into consideration the presence of questions about the number of months in a nursing home from Wave 3 forward. Specifically, we give precedence to the reported number of nights if the number of months is also reported. Otherwise, we multiply the number of months by 30 to calculate the number of nights.

In Wave 2A, the question about any overnight nursing home stay was asked at the household level of Financial Respondents for both the Financial Respondent and spouse, and of all individual Respondents as well. When both levels of information are available the Financial Respondent's HH-level information may not agree with the information given by individual Respondents in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible, we use HH level data to fill missing spouse/partners' information.

In Wave 2A, the S2NRSHOM is taken from spouses' or HH-level response. For all other waves, the spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3NRSHOM is taken from the Wave 3 spouse's R3NRSHOM variable.

Exit Interview Variables

RENRSHOM indicates whether the Respondent had died in a nursing home or had any nursing home stays between the last Core Interview and death. RENRSTIM is the reported number of stays and RENRSNIT is the reported number of nights calculated over all stays between the last Core Interview and death.

RENHMLIV indicates whether the Respondent lived in a nursing home between the last Core Interview and death. If RENHMLIV="1. Yes" (i.e., the Respondent lived in a nursing home until death), RENHMDAY is the number of days lived in the nursing home, between the move-in date or Core Interview and death. RENHMMVM and RENHMMVY are the month and year that the Respondent moved into the nursing home where they lived until death.

RENRSHOM is derived from several nursing home utilization variables. In Wave 2H, one question asks if the Respondent spent a night in a nursing home. In all other waves, several questions can result in RENRSHOM="1.Yes," such as living in a nursing home at death, additional overnight stays in a nursing home, or dying in a nursing home.

RENRSTIM is the reported number of overnight stays in a nursing home between the last Core Interview and death. If the proxy indicates that the Respondent lived in a nursing home until death, had a stay in a nursing home, or died in a nursing home (i.e., RENRSHOM="1.Yes"), and the number of nursing home stays (RENRSNIT) is zero or missing, we assign RENRSTIM a value of "1," indicating one stay in a nursing home.

When RENRSHOM indicates nursing home utilization, we use one of two methods to calculate RENRSNIT. If the proxy gives dates of nursing home stays that begin after the last Core Interview, we use the dates provided by the proxy; however, if the proxy gives dates of nursing home stays that begin before the last Core Interview date, we calculate RENRSNIT beginning with the last Core Interview date and ending with the death date. If there is no nursing home utilization, then RENRSNIT and RENRSTIM are both set to

zero.

If the Respondent's recorded death date precedes the dates of a nursing home stay reported by the proxy, a special missing value .A is assigned, indicating a death date inconsistency in the data. If number of nights in a nursing home is reported as 996, indicating "continuous since entered", RENRSNIT is assigned RENHMDAY. If more than one stay is reported and RENHMDAY is less than the entire time since last interview, then RENRSNIT is assigned the special missing value .L, as the length of at least one of the prior stays is unknown. Please note that it is not uncommon for the last Core Interview to be more than two years before the Exit interview, allowing for RENRSNIT to be greater than 730 nights.

Core and Exit Differences

RwNRSHOM in the Core Interview and RENRSHOM in the Exit interview both indicate a nursing home stay in their respective reference periods. In the Core Waves 1 and 2A, the reference period is 12 months, in other Core waves it is the period since the last interview, or the last 2 years for new interviewees. The Exit interview reference period is between the last Core Interview and death.

From Wave 5 forward, xNURSHM (from the Tracker), is also used to derive the Core Interview nursing home utilization variables. We do not use this variable in deriving Exit interview nursing home utilization variables.

Cross Wave Differences in Original HRS Data

Core Interview Variables

The questions about medical service utilization vary across waves. Waves 1 and 2A questions ask about the last 12 months, while questions in subsequent waves ask about the period since the previous interview or the last 2 years.

In Wave 1, questions ask about hospital and nursing home stays, doctor visits, and home health care. In Wave 2H, questions are added that ask about prescription drugs. In Wave 2A, and from Wave 3 forward, questions are added that ask about outpatient surgery, dentist, and special facilities or services.

In Wave 2A, the Financial Respondent was asked the medical utilization and expenditure questions, which differs from all other waves. Questions asked only of the Financial Respondent yield HH-level data, and those asked of all Respondents yield Respondent-level data. Note that when both levels are available the Financial Respondent's HH-level information may not agree with the information given by individual Respondents in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible for utilization variables, we use HH level data to fill missing spouse/partners' information.

For nursing home stays, the questions ask if the Respondent was a patient in a nursing home overnight, how many times, and how many nights altogether. In Wave 2A and from Wave 3 on, the initial question text includes convalescent home or other long-term health care facility along with nursing home. From Wave 3 forward, the initial question was skipped if the Respondent is currently living in a nursing home. For these nursing home residents, the second question asks how many times including now, and the third question regarding number of nights can be coded 996=continuous since entered.

The questions about residence in the nursing home at the time of the interview and when the Respondent moved into the nursing home begin in Wave 3. Note that in Waves 1 and 2A there are no Respondents living in a nursing home. In Wave 2H, there are only 8 Respondents who are nursing home residents, and there is no provision in the utilization section for using this information to determine use or length of stay. So we have chosen not to consider this information for so few Respondents.

Beginning with Tracker 2004 V1, HRS implemented a verified nursing home residence flag for each wave, xNURSHM, e.g., GNURSHM for Wave 5 (2000). From Wave 5 forward, there are cases at each interview where this information conflicts with nursing home residency reported in the core data cover sheet section. This is especially true from Wave 13 forward, where the Tracker nursing home residence flag contains a new value of "2" (Interviewed in community this wave [yes to xA028 AND residence confirmed as other than nursing home]). In the questions about nursing home utilization, a cover-sheet reported nursing home resident is assigned as "Yes" for any nursing home stays by default. In some cases where Tracker indicates residence is NOT a nursing home, the interviewer had over-ridden this with a "No" for any nursing home stays, but in many cases this did not occur. We examine these cases for length of stay,

residency move-in date, and missing answers to estimate whether there is any nursing home utilization besides the residency reported in the core data, which HRS has determined is NOT a nursing home.

Exit Interview Variables

In Wave 3, if the Respondent is living in a nursing home, the above question (patient overnight in nursing home) is skipped. However, the total number of nursing home stays is asked. From Wave 3 forward, we use additional questions to derive RENRSHOM: whether the Respondent lived in a nursing home at the time of death or if the Respondent's place of death was a nursing home (please see REPLDEATH). From Wave 6 forward, the responses for R's place of death include an additional code for Assisted Living Facility/Senior Care Home/Retirement home, this is also coded as nursing home.

In Wave 2H, there is one follow up question about the number of months or years the Respondent was in a nursing home, and RENRSNIT is calculated using this one question. The questions in the cover sheet used to derive RENHMDAY, RENHMMVM, RENHMMVY were not asked in Wave 2H. These cases are assigned .Q="Not asked this wave".

HRS Variables Used

Core Interview Variables

```
HRS 1992:
    V10536          B46:PST YR:EVR IF NR:IND
    V536            B46:PST YR:EVR IF NR:IMP
    V537            B46A:1 YR:TIMES NURS
    V538            B46B:YR:NIGHTS NURSG
AHEAD 1993:
    B622R           E5. R IN NURSING HOME LAST 12 MOS
    B623            E6. # TIMES R IN NURSING HOME LAST 12 MO
    B624            E7. # NIGHTS IN NURSING HOME LAST 12 MOS
HRS 1994:
    W415            B30.NURSING HOME OVERNIG
    W416            B30a.TIMES IN NURSING HO
    W417            B30b.NUMBER OF NIGHTS IN
AHEAD 1995:
    D1681           E5. NURSING HOME
    D1682           E6. NURHM # TIMES
    D1683           E7. NURHM-1 NIGHTS
    D1684           E7A.NURHM-1 MONTHS
    D240            CS11.R-WHERE LIVE
HRS 1996:
    E1776           E5. NURSING HOME-YR
    E1777           E6. NURHM # TIMES
    E1778           E7. NURHM-1 NIGHTS
    E1779           E7A.NURHM-1 MONTHS
    E240            CS11.R-WHERE LIVE
    E417            CS25.MONTH MOVED TO NURS HOME
    E418            CS25.YEAR MOVED TO NURS HOME
HRS 1998:
    F2299           E5. NURSING HOME-YR
    F2300           E6. NURHM # TIMES
    F2301           E7. NURHM-1 NIGHTS
    F2302           E7A.NURHM-1 MONTHS
    F517            CS11.R IN NURSING HOME
    F718            CS25.MONTH MOVED TO NURS HOME
    F719            CS25.YEAR MOVED TO NURS HOME
HRS 2000:
    G2571           E5. NURSING HOME-YR
    G2572           E6. NURHM # TIMES
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    G2573           E7. NURHM-1 NIGHTS
    G2574           E7A.NURHM-1 MONTHS
    G558            CS11.R IN NURSING HOME
    G789            CS25.MONTH MOVED TO NURS HOME
    G790            CS25A. YEAR MOVED TO NURS HOME
HRS 2002:
    HA065           MONTH MOVED TO NH
    HA066           YEAR MOVED TO NURS HOME
HRS 2002-2022:
    xA028           R IN NURSING HOME
    xN114           EVER PATIENT OVERNIGHT IN NURSING HOME
    xN115           # TIMES SPENT OVERNIGHT IN NURSING HOME
    xN116           NUM NIGHTS R SPENT OVERNIGHT IN NH
    xN117           NUM MOS R SPENT OVERNIGHT IN NH
```

Exit Interview Variables

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HRS 1994:
    W415            B30.NURSING HOME OVERNIG
    W416            B30a.TIMES IN NURSING HO
    W417            B30b.NUMBER OF NIGHTS IN
    W418            B30b.UNITS IN NURSING HO
AHEAD 1995:
    N1674           E4x.NURSING HOME # NIGHTS - FINAL
    N1675           E4xax.MONTHS
    N1676           E4xbx.DATE-MONTH
    N1678           E4xdx.DATE-YEAR
    N1681           E5.NURSING HOME-YR
    N1682           E6.NURHM # TIMES
    N1683           E7.NURHM-1 NIGHTS
    N1684           E7a.NURHM-1 MONTHS
    N226            CS2cx.PLACE OF DEATH
    N249            CS11.R-WHERE LIVE
    N417            CS25.MONTH MOVED TO NURS HOME
    N418            CS25a.YEAR MOVED TO NURS HOME
HRS 1996:
    P1255           E4x.NURSING HOME # NIGHTS - FINAL
    P1256           E4xax.MONTHS
    P1257           E4xbx.DATE-MONTH
    P1259           E4xdx.DATE-YEAR
    P1262           E5. NURSING HOME-YR
    P1263           E6. NURHM # TIMES
    P1264           E7. NURHM-1 NIGHTS
    P1265           E7a.NURHM-1 MONTHS
    P226            CS2cx.PLACE OF DEATH
    P249            CS11.R-WHERE LIVE
    P417            CS25.MONTH MOVED TO NURS HOME
    P418            CS25a.YEAR MOVED TO NURS HOME
HRS 1998:
    Q1736           E4x.NURSING HOME # NIGHTS - FINAL
    Q1737           E4xax.NUMBER OF MONTHS
    Q1738           E4xbx.DATE-MONTH
    Q1740           E4xdx.DATE-YEAR
    Q1743           E5. NURSING HOME-YR
    Q1744           E6. NURHM # TIMES
    Q1745           E7. NURHM-1 NIGHTS
    Q1746           E7a.NURHM-1 MONTHS
    Q491            CS2cx.PLACE OF DEATH
    Q519            CS11.R IN NURSING HOME
```

```
    Q720            CS25.MONTH MOVED TO NURS HOME
    Q721            CS25.YEAR MOVED TO NURS HOME
HRS 2000:
    R1747           E4x.NURSING HOME # NIGHTS - FINAL
    R1748           E4xax.MONTHS
    R1749           E4xbx.DATE-MONTH
    R1751           E4xdx.DATE-YEAR
    R1754           E5. NURSING HOME-YR
    R525            CS2cx.PLACE OF DEATH
    R558            CS11.R IN NURSING HOME
    R789            CS25.MONTH MOVED TO NURS HOME
    R790            CS25a.(CS25) YEAR MOVED TO NURS HOME
HRS 2002:
    SN311           NURSING HOME B/F DEATH- SINCE MONTH
    SN313           NURSING HOME B/F DEATH- SINCE YEAR
HRS 2002:
    SA028           R IN NURSING HOME
HRS 2010:
    WA028           R IN NURSING HOME
HRS 2012:
    XA028           R IN NURSING HOME
HRS 2014:
    YA028           R IN NURSING HOME
HRS 2016:
    ZA028           R IN NURSING HOME
HRS 2018:
    XQA028          R IN NURSING HOME
HRS 2020:
    XRA028          R IN NURSING HOME
HRS 2022:
    XSA028          R IN NURSING HOME
HRS 2002-2022:
    xA065           MONTH MOVED TO NH
    xA066           YEAR MOVED TO NURS HOME
    xA124           LOCATION OF DEATH
    xN114           EVER PATIENT OVERNIGHT IN NURSING HOME
    xN115           # TIMES SPENT OVERNIGHT IN NURSING HOME
    xN116           NUM NIGHTS R SPENT OVERNIGHT IN NH
    xN117           NUM MOS R SPENT OVERNIGHT IN NH
    xN309           NURSING HOME B/F DEATH- DAYS
    xN310           NURSING HOME B/F DEATH- MONTHS
HRS 2004-2008:
    xA167           R IN NURSING HOME
HRS 2004-2022:
    xN257           NURSING HOME B/F DEATH- YEARS
HRS 2014-2022:
    xZ008           R IN NH AT PREVIOUS WAVE
```

Tracker Variables

```
Tracker:
    xNURSHM             2000-2022 NURSING HOME STATUS
```

Medical care utilization: Hospice

Wave	Variable	Label	Type
E	REHPCSTY	REHPCSTY:EXIT Hospice care stay	Categ
E	REHPCTIM	REHPCTIM:EXIT Hospice care time	Cont
E	REHPCNIT	REHPCNIT:EXIT Hospice care nights	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
REHPCSTY	17390	0.24	0.42	0.0	1.0
REHPCTIM	17366	0.26	0.52	0.0	15.0
REHPCNIT	17093	9.18	41.35	0.0	1326.0

Categorical Variable Codes

REHPCSTY: EXIT Hospice care stay

Value	
.D=DK	108
.M=Oth missing	35
.Q=Not asked this wave	175
.R=RF	4
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	13301
1.Yes	4089

How Constructed

REHPCSTY indicates whether the Respondent reports any hospice care stay at death, or between the last Core Interview and death. If the proxy reports any hospice stay, REHPCSTY is assigned "Yes." If there are no hospice stays then REHPCSTY is assigned "No." When REHPCSTY is "No," then REHPCTIM and REHPCNIT are both set to "0".

REHPCTIM is the reported number of stays in hospice care from the last Core Interview and death, and REHCPNIT is the calculated total number of nights spent in a hospice. Each wave reports the number of different hospice stays, including the final hospice care stay. If the proxy indicates the Respondent had an overnight hospice stay (REHPCSTY=1), and the survey response for number of different times in hospice care is zero or missing, we assign REHCPTIM a value of "1," indicating one stay in hospice care.

REHPCNIT is the number of nights spent in hospice care between the last Core interview and death. This variable is calculated from questions about the number of days, nights, or months spent in a hospice between the last Core Interview and death. If the Respondent's recorded death date precedes the hospice stay start date reported by the proxy, a special missing value .A is assigned, indicating there is a death date inconsistency in the data. If the Respondent lived in a hospice at the end of life and the length of stay is reported as continuous since entered, or the length of stay is the entire time between the last Core interview and death, then REHPCNIT will reflect the length of that final stay.

It is common for the last Core interview to be greater than two years before the Exit interview; allowing for REHPCNIT to be greater than 730 nights.

Cross Wave Differences in Original HRS Data

There are no questions asked about utilization of hospice care in Wave 2H.

From Wave 3 forward, the Exit interview includes a question about place of death (REPLDEATH). In Waves 4 through 9, the proxy is also asked where Respondent was living at the time of death, and hospice is an included response option.

Cover sheet questions about move-in dates are utilized in Waves 7 to 9 to help calculate nights in Hospice care (REHPCNIT).

From Wave 12 forward, the definition of hospice is extended and additional hospice care questions are asked. If the proxy reports that the Respondent utilized hospice care, the proxy is asked where the hospice care service was received. The response options include: Hospital, Nursing Home, Home, Hospice Facility, Other Health Care Facility (Assisted Living Facility/Rest Home/Retirement Home/Senior Care), or Other.

From Wave 12 forward, the proxy may give hospice stay information for up to five hospice stay events, captured in REHPCTIM. The questions about hospice nights asks "How long (in total) were hospice services in place before [his/her] death?" and is captured in REHCPNIT.

HRS Variables Used

```
AHEAD 1995:
    N1699           Ex10g.HOSPICE-YR
    N1700           Ex10h.HOSPICE # TIMES
    N1701           Ex10j.HOSPICE-1 NIGHTS
HRS 1996:
    P1275           Ex10f.HOSPICE # NIGHTS - FINAL
    P1276           Ex10fa.MONTHS
    P1280           Ex10g.HOSPICE-YR
    P1281           Ex10h.HOSPICE # TIMES
    P1282           Ex10j.HOSPICE-1 NIGHTS
HRS 1998:
    Q1757           E10xf. HOSPICE # NIGHTS - FINAL
    Q1758           E10xfa.NUMBER OF MONTHS
    Q1759           E10xfb.DATE-MONTH
    Q1761           E10xfd.DATE-YEAR
    Q1764           Ex10g.HOSPICE STAY - NOT FINAL
    Q1765           Ex10h. HOSPICE # TIMES
    Q1766           Ex10j. HOSPICE-1 NIGHTS
    Q1767           Ex10ja.HOSPICE-1 MONTHS
HRS 2000:
    R1768           E10xf. HOSPICE # NIGHTS - FINAL
    R1769           E10xfa.HOSPICE-MONTHS
    R1770           E10xfb.HOSPICE DATE-MONTH
    R1772           E10xfd.HOSPICE DATE-YEAR
    R1775           Ex10g. HOSPICE-YR
    R1776           Ex10h. HOSPICE # TIMES
    R1777           Ex10j. HOSPICE-1 NIGHTS
    R1778           Ex10ja.HOSPICE-1 MONTHS
HRS 2002:
    SN317           HOSPICE-  SINCE MONTH
    SN319           HOSPICE-  SINCE YEAR
HRS 2002-2012:
    xN315           HOSPICE- DAYS
    xN316           HOSPICE-  NUMBER MONTHS
    xN320           SINCE LAST IW- HOSPICE PATIENT
    xN321           HOSPICE PATIENT # TIMES
    xN322           SINCE LAST IW- HOSPICE # NIGHTS
```

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    xN323           SINCE LAST IW- HOSPICE # MONTHS
HRS 2014-2020:
    xN439M4         HOSPICE SERVICE WHERESTAY -4
HRS 2014-2022:
    xN437           HOSPICE SERVICE HOW LONG DAYS
    xN438           HOSPICE SERVICE HOW LONG MONTHS
    xN439M1         HOSPICE SERVICE WHERESTAY -1
    xN439M2         HOSPICE SERVICE WHERESTAY -2
    xN439M3         HOSPICE SERVICE WHERESTAY -3
```

Medical care utilization: Doctor

Wave	Variable	Label	Type
1	R1DOCTOR	R1DOCTOR:W1 Doctor visit, prv 12 mos	Categ
2	R2DOCTOR	R2DOCTOR:W2 Doctor visit, prv 2 yrs/since PrvIvw	Categ
3	R3DOCTOR	R3DOCTOR:W3 Doctor visit, prv 2 yrs/since PrvIvw	Categ
4	R4DOCTOR	R4DOCTOR:W4 Doctor visit, prv 2 yrs/since PrvIvw	Categ
5	R5DOCTOR	R5DOCTOR:W5 Doctor visit, prv 2 yrs/since PrvIvw	Categ
6	R6DOCTOR	R6DOCTOR:W6 Doctor visit, prv 2 yrs/since PrvIvw	Categ
7	R7DOCTOR	R7DOCTOR:W7 Doctor visit, prv 2 yrs/since PrvIvw	Categ
8	R8DOCTOR	R8DOCTOR:W8 Doctor visit, prv 2 yrs/since PrvIvw	Categ
9	R9DOCTOR	R9DOCTOR:W9 Doctor visit, prv 2 yrs/since PrvIvw	Categ
10	R10DOCTOR	R10DOCTOR:W10 Doctor visit, prv 2 yrs/since PrvIvw	Categ
11	R11DOCTOR	R11DOCTOR:W11 Doctor visit, prv 2 yrs/since PrvIvw	Categ
12	R12DOCTOR	R12DOCTOR:W12 Doctor visit, prv 2 yrs/since PrvIvw	Categ
13	R13DOCTOR	R13DOCTOR:W13 Doctor visit, prv 2 yrs/since PrvIvw	Categ
14	R14DOCTOR	R14DOCTOR:W14 Doctor visit, prv 2 yrs/since PrvIvw	Categ
15	R15DOCTOR	R15DOCTOR:W15 Doctor visit, prv 2 yrs/since PrvIvw	Categ
16	R16DOCTOR	R16DOCTOR:W16 Doctor visit, prv 2 yrs/since PrvIvw	Categ
1	S1DOCTOR	S1DOCTOR:W1 Doctor visit, prv 12 mos	Categ
2	S2DOCTOR	S2DOCTOR:W2 Doctor visit, prv 2 yrs/since PrvIvw	Categ
3	S3DOCTOR	S3DOCTOR:W3 Doctor visit, prv 2 yrs/since PrvIvw	Categ
4	S4DOCTOR	S4DOCTOR:W4 Doctor visit, prv 2 yrs/since PrvIvw	Categ
5	S5DOCTOR	S5DOCTOR:W5 Doctor visit, prv 2 yrs/since PrvIvw	Categ
6	S6DOCTOR	S6DOCTOR:W6 Doctor visit, prv 2 yrs/since PrvIvw	Categ
7	S7DOCTOR	S7DOCTOR:W7 Doctor visit, prv 2 yrs/since PrvIvw	Categ
8	S8DOCTOR	S8DOCTOR:W8 Doctor visit, prv 2 yrs/since PrvIvw	Categ
9	S9DOCTOR	S9DOCTOR:W9 Doctor visit, prv 2 yrs/since PrvIvw	Categ
10	S10DOCTOR	S10DOCTOR:W10 Doctor visit, prv 2 yrs/since PrvIvw	Categ
11	S11DOCTOR	S11DOCTOR:W11 Doctor visit, prv 2 yrs/since PrvIvw	Categ
12	S12DOCTOR	S12DOCTOR:W12 Doctor visit, prv 2 yrs/since PrvIvw	Categ
13	S13DOCTOR	S13DOCTOR:W13 Doctor visit, prv 2 yrs/since PrvIvw	Categ
14	S14DOCTOR	S14DOCTOR:W14 Doctor visit, prv 2 yrs/since PrvIvw	Categ
15	S15DOCTOR	S15DOCTOR:W15 Doctor visit, prv 2 yrs/since PrvIvw	Categ
16	S16DOCTOR	S16DOCTOR:W16 Doctor visit, prv 2 yrs/since PrvIvw	Categ
1	R1DOCTIM	R1DOCTIM:W1 # Doctor vists, prv 12 mos	Cont
2	R2DOCTIM	R2DOCTIM:W2 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
3	R3DOCTIM	R3DOCTIM:W3 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
4	R4DOCTIM	R4DOCTIM:W4 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
5	R5DOCTIM	R5DOCTIM:W5 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
6	R6DOCTIM	R6DOCTIM:W6 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
7	R7DOCTIM	R7DOCTIM:W7 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
8	R8DOCTIM	R8DOCTIM:W8 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
9	R9DOCTIM	R9DOCTIM:W9 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
10	R10DOCTIM	R10DOCTIM:W10 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
11	R11DOCTIM	R11DOCTIM:W11 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
12	R12DOCTIM	R12DOCTIM:W12 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
13	R13DOCTIM	R13DOCTIM:W13 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
14	R14DOCTIM	R14DOCTIM:W14 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
15	R15DOCTIM	R15DOCTIM:W15 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
16	R16DOCTIM	R16DOCTIM:W16 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
1	S1DOCTIM	S1DOCTIM:W1 # Doctor vists, prv 12 mos	Cont
2	S2DOCTIM	S2DOCTIM:W2 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
3	S3DOCTIM	S3DOCTIM:W3 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
4	S4DOCTIM	S4DOCTIM:W4 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
5	S5DOCTIM	S5DOCTIM:W5 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
6	S6DOCTIM	S6DOCTIM:W6 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
7	S7DOCTIM	S7DOCTIM:W7 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
8	S8DOCTIM	S8DOCTIM:W8 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
9	S9DOCTIM	S9DOCTIM:W9 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
10	S10DOCTIM	S10DOCTIM:W10 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
11	S11DOCTIM	S11DOCTIM:W11 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
12	S12DOCTIM	S12DOCTIM:W12 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
13	S13DOCTIM	S13DOCTIM:W13 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
14	S14DOCTIM	S14DOCTIM:W14 # Doctor vists, prv 2 yrs/since PrvIvw	Cont
15	S15DOCTIM	S15DOCTIM:W15 # Doctor vists, prv 2 yrs/since PrvIvw	Cont

```
16    S16DOCTIM           S16DOCTIM:W16 # Doctor vists, prv 2 yrs/since PrvIvw              Cont

 E    REDOCTOR            REDOCTOR:EXIT Doctor visit                                        Categ
 E    REDOCTIM            REDOCTIM:EXIT # Doctor visits                                     Cont
```

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DOCTOR	12594	0.79	0.41	0.0	1.0
R2DOCTOR	19411	0.89	0.31	0.0	1.0
R3DOCTOR	17551	0.93	0.26	0.0	1.0
R4DOCTOR	20920	0.93	0.25	0.0	1.0
R5DOCTOR	19515	0.94	0.23	0.0	1.0
R6DOCTOR	18143	0.94	0.23	0.0	1.0
R7DOCTOR	20092	0.94	0.24	0.0	1.0
R8DOCTOR	18440	0.95	0.22	0.0	1.0
R9DOCTOR	17191	0.95	0.22	0.0	1.0
R10DOCTOR	21753	0.90	0.30	0.0	1.0
R11DOCTOR	20476	0.90	0.30	0.0	1.0
R12DOCTOR	18680	0.90	0.30	0.0	1.0
R13DOCTOR	20771	0.89	0.31	0.0	1.0
R14DOCTOR	17033	0.89	0.31	0.0	1.0
R15DOCTOR	15574	0.88	0.32	0.0	1.0
R16DOCTOR	15605	0.89	0.32	0.0	1.0
S1DOCTOR	9859	0.79	0.41	0.0	1.0
S2DOCTOR	13186	0.88	0.32	0.0	1.0
S3DOCTOR	11714	0.93	0.26	0.0	1.0
S4DOCTOR	13794	0.93	0.25	0.0	1.0
S5DOCTOR	12714	0.94	0.23	0.0	1.0
S6DOCTOR	11631	0.94	0.23	0.0	1.0
S7DOCTOR	12959	0.94	0.24	0.0	1.0
S8DOCTOR	11728	0.95	0.22	0.0	1.0
S9DOCTOR	10637	0.95	0.23	0.0	1.0
S10DOCTOR	13352	0.91	0.29	0.0	1.0
S11DOCTOR	12459	0.90	0.30	0.0	1.0
S12DOCTOR	10990	0.90	0.30	0.0	1.0
S13DOCTOR	11737	0.89	0.31	0.0	1.0
S14DOCTOR	9322	0.89	0.31	0.0	1.0
S15DOCTOR	8444	0.88	0.33	0.0	1.0
S16DOCTOR	7796	0.89	0.32	0.0	1.0
R1DOCTIM	12594	4.46	8.67	0.0	95.0
R2DOCTIM	19411	6.06	10.38	0.0	315.0
R3DOCTIM	17551	9.00	14.63	0.0	600.0
R4DOCTIM	20920	10.17	18.52	0.0	730.0
R5DOCTIM	19051	9.86	16.21	0.0	500.0
R6DOCTIM	17451	10.78	20.37	0.0	900.0
R7DOCTIM	19428	10.68	23.27	0.0	840.0
R8DOCTIM	17623	10.62	18.65	0.0	612.0
R9DOCTIM	16191	10.62	17.83	0.0	525.0
R10DOCTIM	20817	10.98	24.53	0.0	900.0
R11DOCTIM	19501	10.04	25.43	0.0	900.0
R12DOCTIM	17166	9.61	20.67	0.0	900.0
R13DOCTIM	19048	9.89	20.97	0.0	900.0
R14DOCTIM	15940	9.11	18.02	0.0	720.0
R15DOCTIM	13844	8.28	13.09	0.0	365.0

R16DOCTIM	14162	9.42	19.02	0.0	600.0
S1DOCTIM	9859	4.23	8.15	0.0	95.0
S2DOCTIM	12986	5.90	10.33	0.0	300.0
S3DOCTIM	11714	8.53	14.90	0.0	600.0
S4DOCTIM	13794	9.55	18.54	0.0	730.0
S5DOCTIM	12481	9.32	15.18	0.0	360.0
S6DOCTIM	11328	10.19	20.15	0.0	900.0
S7DOCTIM	12653	10.18	22.75	0.0	840.0
S8DOCTIM	11331	10.14	18.84	0.0	612.0
S9DOCTIM	10174	10.18	17.90	0.0	500.0
S10DOCTIM	12946	10.40	21.99	0.0	900.0
S11DOCTIM	12037	9.57	24.02	0.0	900.0
S12DOCTIM	10283	9.33	21.65	0.0	900.0
S13DOCTIM	10992	9.51	20.80	0.0	900.0
S14DOCTIM	8863	8.96	19.17	0.0	720.0
S15DOCTIM	7693	7.92	13.12	0.0	365.0
S16DOCTIM	7249	9.09	19.12	0.0	600.0
REDOCTOR	16984	0.94	0.23	0.0	1.0
REDOCTIM	13813	19.80	39.92	0.0	900.0

Categorical Variable Codes

RwDOCTOR: Doctor visit, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	41	219	373	433	37	2	9	2	2	4
.J=Web interview, missing										
.M=Oth missing	17	2	56	20	20	15	21	22	18	264
.R=RF		10	11	11	6	5	7	5	6	13
0.No	2625	2089	1284	1418	1137	1058	1269	954	917	2129
1.Yes	9969	17322	16267	19502	18378	17085	18823	17486	16274	19624

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	8	4	7	6	3	10
.J=Web interview, missing				9	4	14
.M=Oth missing	64	54	123	92	133	144
.R=RF	6	9	11	6	9	14
0.No	2082	1871	2198	1894	1826	1775
1.Yes	18394	16809	18573	15139	13748	13830

SwDOCTOR: Doctor visit, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	29	99	176	174	8		4			2
.J=Web interview, missing										
.M=Oth missing	12		24	6	5	5	4	5	5	150
.R=RF		5	3	6	3	3	5	2	4	9
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
0.No	2066	1581	842	922	715	666	792	609	570	1265
1.Yes	7793	11605	10872	12872	11999	10965	12167	11119	10067	12087

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	3	1	1	4		5
.J=Web interview, missing				4	4	7
.M=Oth missing	19	16	35	26	25	28
.R=RF	3	5	6	2	4	4
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	1256	1092	1266	1012	1024	876
1.Yes	11203	9898	10471	8310	7420	6920

REDOCTOR: EXIT Doctor visit

Value	
.D=DK	669
.M=Oth missing	53
.R=RF	6
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	984
1.Yes	16000

How Constructed

Core Interview Variables

RwDOCTOR indicates whether the Respondent reports any doctor visit in the reference period. In Waves 1 and 2A, the reference period is 12 months; in other waves it is the period since the last interview, or the last 2 years for new interviewees. If the Respondent reports any doctor visit, RwDOCTIM is the reported number of visits.

SwDOCTOR and SwDOCTIM give this information for the Respondent's spouse or partner.

Medical care utilization variables are recoded for missing values. In Wave 1, the medical utilization variables are imputed in the original HRS data. Imputed values are recoded to missing. If the Respondent did not report any doctor visit, then RwDOCTIM is zero. RwDOCTOR is recoded as a yes/no indicator based on the number of visits reported.

From Wave 5 forward, unfolding bracket questions are introduced for those who don't know or refuse this question. Any response of "about" to these questions assigns the value to RwDOCTIM. For example if the Respondent responds about 20, then 20 is assigned RwDOCTIM. In addition SAS special missing values indicate the resulting bracket:

.E indicates 1-4 times

.F indicates 6-19 times
.G indicates 21-49 times
.H indicates 51 or more times
.I indicates at least once
.B indicates 0-5 times
.K indicates 1-19 times
.L indicates 21 or more times

If the Respondent falls into any of these brackets except 0-5 times (.B), then RwDOCTOR is set to yes (=1). If the Respondent says no to seeing a doctor at least once, RwDOCTIM is set to zero and RwDOCTOR is set to no (=0).

In Wave 2A, the S2DOCTOR is taken from spouses' or HH-level response. For all other waves, the spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3DOCTOR is taken from the Wave 3 spouse's R3DOCTOR variable.

Exit Interview Variables

REDOCTOR is an indicator of whether the Respondent was seen by a doctor between the last Core Interview and death. REDOCTOR is derived from the question "...how many times has Respondent seen or talked to a medical doctor about Respondent's health, including emergency room or clinic visits since last interview or last two years before death?" If the proxy reports that the Respondent had any doctor visits, REDOCTIM is the reported number of visits.

From Exit Wave 6 forward, unfolding bracket questions are introduced for those who don't know or refuse to answer the question about the number of doctor visits. The method of assigning values to REDOCTIM based on unfolding brackets is the same as that used in RwDOCTIM from the Core Interview.

Core and Exit Differences

From Wave 5 forward, the Core Interview includes unfolding bracket questions to estimate intervals for the number of times the Respondent is seen by a doctor in cases where an exact number is unknown. These questions are introduced in the Exit interview in Wave 6.

Cross Wave Differences in Original HRS Data

Core Interview Variables

The questions about medical service utilization vary across waves. Waves 1 and 2A questions ask about the last 12 months, while questions in subsequent waves ask about the period since the previous interview or the last 2 years.

In Wave 1, questions ask about hospital and nursing home stays, doctor visits, and home health care. In Wave 2H, questions are added that ask about prescription drugs. In Wave 2A, and from Wave 3 forward, questions are added that ask about outpatient surgery, dentist, and special facilities or services.

In Wave 2A, the Financial Respondent was asked the medical utilization and expenditure questions, which differs from all other waves. Questions asked only of the Financial Respondent yield HH-level data, and those asked of all Respondents yield Respondent-level data. Note that when both levels are available the Financial Respondent's HH-level information may not agree with the information given by individual Respondents in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible for utilization variables, we use HH level data to fill missing spouse/partners' information.

For doctor visits, the question asks how many times the Respondent has seen or talked to a medical doctor including emergency room or clinic visits. In Waves 1 and 2, the question text instructs the Respondent not to include overnight hospital or nursing home stays. From Wave 3 forward, the question text only instructs the Respondent not to include any hospital stays.

From Wave 5 forward, there are unfolding bracket questions if the Respondent doesn't know or refuses to answer the question.

The amounts in this series of questions are at least once, 5, 20, and 50 times. The order presented is 20, then 5, and at least once if less than 20, or 50 if more than 20. The responses could be less than, more than, or about.

Exit Interview Variables

In Waves 2H through 5, the value of REDOCTIM depends on the proxy answering the question about the number of times the Respondent was seen by a doctor. From Wave 6 on there is a set of unfolding bracket questions to estimate intervals for the number of times the Respondent is seen by a doctor in cases where an exact number is unknown.

In Wave 2H the Exit Interview question is: "[Not counting overnight hospital or nursing home stays], during the last two years, since last interview before death, how many times have you seen or talked to a medical doctor about your health, including emergency room or clinic visits?"

From Wave 3A forward the question includes the addition of "Aside from any [hospital stays/hospital stays and outpatient surgery]," to the Exit Interview question.

HRS Variables Used

Core Interview Variables

```
HRS 1992:
    V10539          B47:YR:TIMES W/ DOCT:IND
    V539            B47:YR:TIMES W/ DOCT:IMP
AHEAD 1993:
    B640            E12. #TIMES R TALK TO DOCTOR LAST 12 MOS
HRS 1994:
    W420            B31.NUMBER OF DOCTOR VIS
AHEAD 1995:
    D1698           E11. DR TIMES
HRS 1996:
    E1790           E11. DR TIMES
HRS 1998:
    F2331           E11. DR TIMES
HRS 2000:
    G2603           E11. DR TIMES
    G2604           E11A. DR 20 TIMES
    G2605           E11B. DR 5 TIMES
    G2606           E11C. DR ANY TIME
    G2607           E11D. DR 50 TIMES
HRS 2002-2022:
    xN147           # TIMES SEEN DR- PREV IW/2 YRS
    xN148           NUMBER TIMES SEEN DOCTOR 20X
    xN149           NUMBER TIMES SEEN DOCTOR 5X
    xN150           HAS R SOUGHT DOC ADVICE IN PAST 2 YRS
    xN151           R SEEK DOC ADVICE 50X
```

Exit Interview Variables

```
AHEAD 1995:
    N1709           E11.DR TIMES
HRS 1996:
    P1290           E11. DR TIMES
HRS 1998:
    Q1778           E11. DR TIMES
HRS 2000:
    R1789           E11. DR TIMES
```

HRS 2002-2022:

xN147	# TIMES SEEN DR- PREV IW/2 YRS
xN148	NUMBER TIMES SEEN DOCTOR 20X
xN149	NUMBER TIMES SEEN DOCTOR 5X
xN150	HAS R SOUGHT DOC ADVICE IN PAST 2 YRS
xN151	R SEEK DOC ADVICE 50X

Medical care utilization: Home Care

Wave	Variable	Label	Type
1	R1HOMCAR	R1HOMCAR:W1 Home hlth care, prv 12 mos	Categ
2	R2HOMCAR	R2HOMCAR:W2 Home hlth care, prv 2 yrs/since PrvIvw	Categ
3	R3HOMCAR	R3HOMCAR:W3 Home hlth care, prv 2 yrs/since PrvIvw	Categ
4	R4HOMCAR	R4HOMCAR:W4 Home hlth care, prv 2 yrs/since PrvIvw	Categ
5	R5HOMCAR	R5HOMCAR:W5 Home hlth care, prv 2 yrs/since PrvIvw	Categ
6	R6HOMCAR	R6HOMCAR:W6 Home hlth care, prv 2 yrs/since PrvIvw	Categ
7	R7HOMCAR	R7HOMCAR:W7 Home hlth care, prv 2 yrs/since PrvIvw	Categ
8	R8HOMCAR	R8HOMCAR:W8 Home hlth care, prv 2 yrs/since PrvIvw	Categ
9	R9HOMCAR	R9HOMCAR:W9 Home hlth care, prv 2 yrs/since PrvIvw	Categ
10	R10HOMCAR	R10HOMCAR:W10 Home hlth care, prv 2 yrs/since PrvIvw	Categ
11	R11HOMCAR	R11HOMCAR:W11 Home hlth care, prv 2 yrs/since PrvIvw	Categ
12	R12HOMCAR	R12HOMCAR:W12 Home hlth care, prv 2 yrs/since PrvIvw	Categ
13	R13HOMCAR	R13HOMCAR:W13 Home hlth care, prv 2 yrs/since PrvIvw	Categ
14	R14HOMCAR	R14HOMCAR:W14 Home hlth care, prv 2 yrs/since PrvIvw	Categ
15	R15HOMCAR	R15HOMCAR:W15 Home hlth care, prv 2 yrs/since PrvIvw	Categ
16	R16HOMCAR	R16HOMCAR:W16 Home hlth care, prv 2 yrs/since PrvIvw	Categ
1	S1HOMCAR	S1HOMCAR:W1 Home hlth care, prv 12 mos	Categ
2	S2HOMCAR	S2HOMCAR:W2 Home hlth care, prv 2 yrs/since PrvIvw	Categ
3	S3HOMCAR	S3HOMCAR:W3 Home hlth care, prv 2 yrs/since PrvIvw	Categ
4	S4HOMCAR	S4HOMCAR:W4 Home hlth care, prv 2 yrs/since PrvIvw	Categ
5	S5HOMCAR	S5HOMCAR:W5 Home hlth care, prv 2 yrs/since PrvIvw	Categ
6	S6HOMCAR	S6HOMCAR:W6 Home hlth care, prv 2 yrs/since PrvIvw	Categ
7	S7HOMCAR	S7HOMCAR:W7 Home hlth care, prv 2 yrs/since PrvIvw	Categ
8	S8HOMCAR	S8HOMCAR:W8 Home hlth care, prv 2 yrs/since PrvIvw	Categ
9	S9HOMCAR	S9HOMCAR:W9 Home hlth care, prv 2 yrs/since PrvIvw	Categ
10	S10HOMCAR	S10HOMCAR:W10 Home hlth care, prv 2 yrs/since PrvIvw	Categ
11	S11HOMCAR	S11HOMCAR:W11 Home hlth care, prv 2 yrs/since PrvIvw	Categ
12	S12HOMCAR	S12HOMCAR:W12 Home hlth care, prv 2 yrs/since PrvIvw	Categ
13	S13HOMCAR	S13HOMCAR:W13 Home hlth care, prv 2 yrs/since PrvIvw	Categ
14	S14HOMCAR	S14HOMCAR:W14 Home hlth care, prv 2 yrs/since PrvIvw	Categ
15	S15HOMCAR	S15HOMCAR:W15 Home hlth care, prv 2 yrs/since PrvIvw	Categ
16	S16HOMCAR	S16HOMCAR:W16 Home hlth care, prv 2 yrs/since PrvIvw	Categ
E	REHOMCAR	REHOMCAR:EXIT Home hlth care	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HOMCAR	12635	0.01	0.11	0.0	1.0
R2HOMCAR	19588	0.06	0.23	0.0	1.0
R3HOMCAR	17651	0.08	0.26	0.0	1.0
R4HOMCAR	20933	0.08	0.26	0.0	1.0
R5HOMCAR	19073	0.07	0.25	0.0	1.0
R6HOMCAR	17945	0.07	0.26	0.0	1.0
R7HOMCAR	19938	0.07	0.25	0.0	1.0
R8HOMCAR	18288	0.08	0.27	0.0	1.0
R9HOMCAR	17041	0.09	0.28	0.0	1.0
R10HOMCAR	21622	0.09	0.28	0.0	1.0
R11HOMCAR	20328	0.09	0.28	0.0	1.0
R12HOMCAR	18600	0.09	0.29	0.0	1.0
R13HOMCAR	20642	0.09	0.28	0.0	1.0
R14HOMCAR	16948	0.09	0.28	0.0	1.0
R15HOMCAR	15541	0.09	0.28	0.0	1.0
R16HOMCAR	15576	0.10	0.30	0.0	1.0
S1HOMCAR	9886	0.01	0.10	0.0	1.0
S2HOMCAR	13244	0.03	0.18	0.0	1.0

S3HOMCAR	11821	0.05	0.22	0.0	1.0
S4HOMCAR	13886	0.06	0.23	0.0	1.0
S5HOMCAR	12619	0.05	0.22	0.0	1.0
S6HOMCAR	11597	0.05	0.23	0.0	1.0
S7HOMCAR	12937	0.05	0.22	0.0	1.0
S8HOMCAR	11711	0.06	0.24	0.0	1.0
S9HOMCAR	10620	0.06	0.24	0.0	1.0
S10HOMCAR	13335	0.06	0.25	0.0	1.0
S11HOMCAR	12432	0.07	0.25	0.0	1.0
S12HOMCAR	10983	0.07	0.25	0.0	1.0
S13HOMCAR	11723	0.06	0.24	0.0	1.0
S14HOMCAR	9310	0.07	0.25	0.0	1.0
S15HOMCAR	8443	0.06	0.25	0.0	1.0
S16HOMCAR	7791	0.07	0.26	0.0	1.0
REHOMCAR	16306	0.47	0.50	0.0	1.0

Categorical Variable Codes

RwHOMCAR: Home hlth care, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	3	1	2		5	13	9	10	10	10
.J=Web interview, missing										
.M=Oth missing	14	52	37	20	42	21	23	18	19	267
.N=In NHM			298	429	456	180	149	148	142	123
.R=RF		1	3	2	2	6	10	5	5	12
0.No	12487	18510	16325	19350	17770	16631	18577	16817	15553	19709
1.Yes	148	1078	1326	1583	1303	1314	1361	1471	1488	1913

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	11	15	17	6	8	13
.J=Web interview, missing				10	7	10
.M=Oth missing	65	55	149	111	141	153
.N=In NHM	148	75	93	67	19	23
.R=RF	2	2	11	4	7	12
0.No	18564	16914	18868	15458	14195	14037
1.Yes	1764	1686	1774	1490	1346	1539

SwHOMCAR: Home hlth care, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	3				3	4	1	2	1	4
.J=Web interview, missing										
.M=Oth missing	11	24	13	6	12	6	5	3	5	152
.N=In NHM			82	88	95	29	22	16	18	15
.R=RF			1		1	3	7	3	2	7
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	406	417	536	311	220	380	317	365	724
0.No	9795	12808	11212	13110	11982	10964	12308	11014	9943	12476
1.Yes	91	436	609	776	637	633	629	697	677	859

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	3		4			3
.J=Web interview, missing				6	3	4
.M=Oth missing	19	16	35	29	25	32
.N=In NHM	30	11	10	13	3	6
.R=RF		2	7		3	4
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	11616	10227	10992	8695	7900	7241
1.Yes	816	756	731	615	543	550

REHOMCAR: EXIT Home hlth care

Value	
.D=DK/NA	201
.M=Oth missing	50
.N=In NHM	1144
.R=RF	11
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	8610
1.Yes	7696

How Constructed

Core Interview Variables

RwHOMCAR indicates whether the Respondent reports any home health care in the reference period. In Waves 1 and 2A the reference period is 12 months; in other waves it is the period since the last interview, or the last 2 years for new interviewees.

SwHOMCAR gives this information for the Respondent's spouse or partner.

RwHOMCAR is recoded as a yes/no indicator and for missing values. In Wave 1, the medical utilization variables are imputed in the original HRS data. Imputed values are recoded to missing. From Wave 3 forward this question is skipped if the Respondent reports living in a nursing home at the time of the last interview (see RwNHMLIV earlier in this section) and reports having a continuous stay in a nursing home in the current interview. If the question is skipped for this reason, RwHOMCAR is set to .N, the Respondent lives in a nursing home.

In Wave 2A, only the Financial Respondent was asked to answer whether themselves, their partner, or both used home health care. If the Financial Respondent answers themselves or "both," then R2HOMCAR is set to "1" for yes.

In Wave 2A, the S2HOMCAR is taken from spouses' or HH-level response. For all other waves, the spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3HOMCAR is taken from the Wave 3 spouse's R3HOMCAR variable.

Exit Interview Variables

REHOMCAR indicates whether the Respondent received any home health care between the last Core Interview and death.

From Waves 2H to 5, if the Respondent lived in a nursing home at the time of death, this question is skipped and REHOMCAR is set to .N.

From Wave 6 forward, the question is skipped if the number of nights in a nursing home is continuous since the last Core Interview.

Core and Exit Differences

To assign the skipped value .N, the Core uses the nursing home question on the Tracker File while the Exit uses a question on the cover sheet section of the survey.

Cross Wave Differences in Original HRS Data

Core Interview Variables

The questions about medical service utilization vary across waves. Wave 1 and 2A questions ask about the last 12 months, while questions in subsequent waves ask about the period since the previous interview or the last 2 years.

In Wave 1, questions ask about hospital and nursing home stays, doctor visits, and home health care. In Wave 2, questions are added that ask about prescription drugs. In Wave 2A and from Wave 3 forward, questions are added that ask about outpatient surgery, dentist, and special facilities or services.

In Wave 2A, the Financial Respondent was asked the medical utilization and expenditure questions, which differs from all other waves. Questions asked only of the Financial Respondent yield HH-level data, and those asked of all Respondents yield Respondent-level data. Note that when both levels are available the Financial Respondent's HH-level information may not agree with the information given by individual Respondents in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible for utilization variables, we use HH level data to fill missing spouse/partners' information.

For home health care, the questions in Waves 1 and 2H ask if the Respondent required any professional nursing care in their own home, and on how many days they had home nursing care. In Wave 2A and from Wave 3 on, the question asks if any medically-trained person has come to the Respondent's home to help them. In Wave 2A, only the Financial Respondent was asked to answer whether themselves, their partner or both used home health care. Beginning in Wave 3, this question is skipped if the Respondent reports living in a nursing home at the time of the last interview (see RwNHMLIV earlier in this section) and reports having a continuous stay in a nursing home in the current interview. There is no follow-up question about the number of days.

Exit Interview Variables

From Wave 3 forward the home health care question is skipped, and REHOMCAR is set to .N if the Respondent lived in a nursing home at the time of death (see RENHMLIV earlier in this section).

HRS Variables Used

Core Interview Variables

```
HRS 1992:
    V10541          B49:PST YR:PRO NURS :IND
    V541            B49:PST YR:PRO NURS :IMP
AHEAD 1993:
    B701            E22. R/SP IN-HOME MED SERV NOT COVERED
HRS 1994:
    W424            B33.PROFESSIONAL NURSING
AHEAD 1995:
    D1760           E22.IN-HOME SERV
    D240            CS11.R-WHERE LIVE
HRS 1996:
    E1827           E22.IN-HOME SERV
    E240            CS11.R-WHERE LIVE
HRS 1998:
    F2357           E22.IN-HOME SERV
    F517            CS11.R IN NURSING HOME
HRS 2000:
    G2634           E22.IN-HOME SERV
    G558            CS11.R IN NURSING HOME
HRS 2002-2022:
    xA028           R IN NURSING HOME
    xN189           USED HOME HEALTH SVC- PREV IW/2 YRS
```

Exit Interview Variables

```
HRS 1994:
    W424            B33.PROFESSIONAL NURSING
AHEAD 1995:
    N1760           E22.IN-HOME SERV
HRS 1996:
    P1341           E22.IN-HOME SERV
HRS 1998:
    Q1804           E22.IN-HOME SERV
HRS 2000:
    R1820           E22.IN-HOME SERV
HRS 2002:
    SA028           R IN NURSING HOME
HRS 2010:
    WA028           R IN NURSING HOME
HRS 2012:
    XA028           R IN NURSING HOME
HRS 2014:
    YA028           R IN NURSING HOME
HRS 2016:
    ZA028           R IN NURSING HOME
HRS 2018:
    XQA028          R IN NURSING HOME
HRS 2020:
    XRA028          R IN NURSING HOME
HRS 2022:
    XSA028          R IN NURSING HOME
HRS 2002-2022:
    xN189           USED HOME HEALTH SVC- PREV IW/2 YRS
```

Medical care utilization: Other Medical Care Utilization

Wave	Variable	Label	Type
2	R2DRUGS	R2DRUGS:W2 Reg take Rx, prv 1-yr(A)	Categ
3	R3DRUGS	R3DRUGS:W3 Reg take Rx, Prv 2 yrs	Categ
4	R4DRUGS	R4DRUGS:W4 Reg take Rx, Prv 2 yrs	Categ
5	R5DRUGS	R5DRUGS:W5 Reg take Rx, Prv 2 yrs	Categ
6	R6DRUGS	R6DRUGS:W6 Reg take Rx, Prv 2 yrs	Categ
7	R7DRUGS	R7DRUGS:W7 Reg take Rx, Prv 2 yrs	Categ
8	R8DRUGS	R8DRUGS:W8 Reg take Rx, Prv 2 yrs	Categ
9	R9DRUGS	R9DRUGS:W9 Reg take Rx, Prv 2 yrs	Categ
10	R10DRUGS	R10DRUGS:W10 Reg take Rx, Prv 2 yrs	Categ
11	R11DRUGS	R11DRUGS:W11 Reg take Rx, Prv 2 yrs	Categ
12	R12DRUGS	R12DRUGS:W12 Reg take Rx, Prv 2 yrs	Categ
13	R13DRUGS	R13DRUGS:W13 Reg take Rx, Prv 2 yrs	Categ
14	R14DRUGS	R14DRUGS:W14 Reg take Rx, Prv 2 yrs	Categ
15	R15DRUGS	R15DRUGS:W15 Reg take Rx, Prv 2 yrs	Categ
16	R16DRUGS	R16DRUGS:W16 Reg take Rx, Prv 2 yrs	Categ
2	S2DRUGS	S2DRUGS:W2 Reg take Rx, prv 1-yr(A)	Categ
3	S3DRUGS	S3DRUGS:W3 Reg take Rx, Prv 2 yrs	Categ
4	S4DRUGS	S4DRUGS:W4 Reg take Rx, Prv 2 yrs	Categ
5	S5DRUGS	S5DRUGS:W5 Reg take Rx, Prv 2 yrs	Categ
6	S6DRUGS	S6DRUGS:W6 Reg take Rx, Prv 2 yrs	Categ
7	S7DRUGS	S7DRUGS:W7 Reg take Rx, Prv 2 yrs	Categ
8	S8DRUGS	S8DRUGS:W8 Reg take Rx, Prv 2 yrs	Categ
9	S9DRUGS	S9DRUGS:W9 Reg take Rx, Prv 2 yrs	Categ
10	S10DRUGS	S10DRUGS:W10 Reg take Rx, Prv 2 yrs	Categ
11	S11DRUGS	S11DRUGS:W11 Reg take Rx, Prv 2 yrs	Categ
12	S12DRUGS	S12DRUGS:W12 Reg take Rx, Prv 2 yrs	Categ
13	S13DRUGS	S13DRUGS:W13 Reg take Rx, Prv 2 yrs	Categ
14	S14DRUGS	S14DRUGS:W14 Reg take Rx, Prv 2 yrs	Categ
15	S15DRUGS	S15DRUGS:W15 Reg take Rx, Prv 2 yrs	Categ
16	S16DRUGS	S16DRUGS:W16 Reg take Rx, Prv 2 yrs	Categ
2	R2OUTPT	R2OUTPT:W2 Outpatient surgery, prv 1-,2-yr(A,H)	Categ
3	R3OUTPT	R3OUTPT:W3 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
4	R4OUTPT	R4OUTPT:W4 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
5	R5OUTPT	R5OUTPT:W5 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
6	R6OUTPT	R6OUTPT:W6 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
7	R7OUTPT	R7OUTPT:W7 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
8	R8OUTPT	R8OUTPT:W8 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
9	R9OUTPT	R9OUTPT:W9 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
10	R10OUTPT	R10OUTPT:W10 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
11	R11OUTPT	R11OUTPT:W11 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
12	R12OUTPT	R12OUTPT:W12 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
13	R13OUTPT	R13OUTPT:W13 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
14	R14OUTPT	R14OUTPT:W14 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
15	R15OUTPT	R15OUTPT:W15 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
16	R16OUTPT	R16OUTPT:W16 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
2	S2OUTPT	S2OUTPT:W2 Outpatient surgery, prv 1-,2-yr(A,H)	Categ
3	S3OUTPT	S3OUTPT:W3 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
4	S4OUTPT	S4OUTPT:W4 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
5	S5OUTPT	S5OUTPT:W5 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
6	S6OUTPT	S6OUTPT:W6 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
7	S7OUTPT	S7OUTPT:W7 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
8	S8OUTPT	S8OUTPT:W8 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
9	S9OUTPT	S9OUTPT:W9 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
10	S10OUTPT	S10OUTPT:W10 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
11	S11OUTPT	S11OUTPT:W11 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
12	S12OUTPT	S12OUTPT:W12 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
13	S13OUTPT	S13OUTPT:W13 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
14	S14OUTPT	S14OUTPT:W14 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
15	S15OUTPT	S15OUTPT:W15 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
16	S16OUTPT	S16OUTPT:W16 Outpatient surgery, prv 2 yrs/since PrvIvw	Categ
2	R2DENTST	R2DENTST:W2 Dental visit, prv 1-,2-yr(A,H)	Categ
3	R3DENTST	R3DENTST:W3 Dental visit, prv 2 yrs/since PrvIvw	Categ

4	R4DENTST	R4DENTST:W4 Dental visit, prv 2 yrs/since PrvIvw	Categ
5	R5DENTST	R5DENTST:W5 Dental visit, prv 2 yrs/since PrvIvw	Categ
6	R6DENTST	R6DENTST:W6 Dental visit, prv 2 yrs/since PrvIvw	Categ
7	R7DENTST	R7DENTST:W7 Dental visit, prv 2 yrs/since PrvIvw	Categ
8	R8DENTST	R8DENTST:W8 Dental visit, prv 2 yrs/since PrvIvw	Categ
9	R9DENTST	R9DENTST:W9 Dental visit, prv 2 yrs/since PrvIvw	Categ
10	R10DENTST	R10DENTST:W10 Dental visit, prv 2 yrs/since PrvIvw	Categ
11	R11DENTST	R11DENTST:W11 Dental visit, prv 2 yrs/since PrvIvw	Categ
12	R12DENTST	R12DENTST:W12 Dental visit, prv 2 yrs/since PrvIvw	Categ
13	R13DENTST	R13DENTST:W13 Dental visit, prv 2 yrs/since PrvIvw	Categ
14	R14DENTST	R14DENTST:W14 Dental visit, prv 2 yrs/since PrvIvw	Categ
15	R15DENTST	R15DENTST:W15 Dental visit, prv 2 yrs/since PrvIvw	Categ
16	R16DENTST	R16DENTST:W16 Dental visit, prv 2 yrs/since PrvIvw	Categ
2	S2DENTST	S2DENTST:W2 Dental visit, prv 1-,2-yr(A,H)	Categ
3	S3DENTST	S3DENTST:W3 Dental visit, prv 2 yrs/since PrvIvw	Categ
4	S4DENTST	S4DENTST:W4 Dental visit, prv 2 yrs/since PrvIvw	Categ
5	S5DENTST	S5DENTST:W5 Dental visit, prv 2 yrs/since PrvIvw	Categ
6	S6DENTST	S6DENTST:W6 Dental visit, prv 2 yrs/since PrvIvw	Categ
7	S7DENTST	S7DENTST:W7 Dental visit, prv 2 yrs/since PrvIvw	Categ
8	S8DENTST	S8DENTST:W8 Dental visit, prv 2 yrs/since PrvIvw	Categ
9	S9DENTST	S9DENTST:W9 Dental visit, prv 2 yrs/since PrvIvw	Categ
10	S10DENTST	S10DENTST:W10 Dental visit, prv 2 yrs/since PrvIvw	Categ
11	S11DENTST	S11DENTST:W11 Dental visit, prv 2 yrs/since PrvIvw	Categ
12	S12DENTST	S12DENTST:W12 Dental visit, prv 2 yrs/since PrvIvw	Categ
13	S13DENTST	S13DENTST:W13 Dental visit, prv 2 yrs/since PrvIvw	Categ
14	S14DENTST	S14DENTST:W14 Dental visit, prv 2 yrs/since PrvIvw	Categ
15	S15DENTST	S15DENTST:W15 Dental visit, prv 2 yrs/since PrvIvw	Categ
16	S16DENTST	S16DENTST:W16 Dental visit, prv 2 yrs/since PrvIvw	Categ
2	R2SPCFAC	R2SPCFAC:W2 Spec health facilty, prv 1-,2-yr(A,H)	Categ
3	R3SPCFAC	R3SPCFAC:W3 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
4	R4SPCFAC	R4SPCFAC:W4 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
5	R5SPCFAC	R5SPCFAC:W5 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
6	R6SPCFAC	R6SPCFAC:W6 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
7	R7SPCFAC	R7SPCFAC:W7 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
8	R8SPCFAC	R8SPCFAC:W8 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
9	R9SPCFAC	R9SPCFAC:W9 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
10	R10SPCFAC	R10SPCFAC:W10 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
11	R11SPCFAC	R11SPCFAC:W11 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
12	R12SPCFAC	R12SPCFAC:W12 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
13	R13SPCFAC	R13SPCFAC:W13 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
14	R14SPCFAC	R14SPCFAC:W14 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
15	R15SPCFAC	R15SPCFAC:W15 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
16	R16SPCFAC	R16SPCFAC:W16 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
2	S2SPCFAC	S2SPCFAC:W2 Spec health facilty, prv 1-,2-yr(A,H)	Categ
3	S3SPCFAC	S3SPCFAC:W3 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
4	S4SPCFAC	S4SPCFAC:W4 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
5	S5SPCFAC	S5SPCFAC:W5 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
6	S6SPCFAC	S6SPCFAC:W6 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
7	S7SPCFAC	S7SPCFAC:W7 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
8	S8SPCFAC	S8SPCFAC:W8 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
9	S9SPCFAC	S9SPCFAC:W9 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
10	S10SPCFAC	S10SPCFAC:W10 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
11	S11SPCFAC	S11SPCFAC:W11 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
12	S12SPCFAC	S12SPCFAC:W12 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
13	S13SPCFAC	S13SPCFAC:W13 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
14	S14SPCFAC	S14SPCFAC:W14 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
15	S15SPCFAC	S15SPCFAC:W15 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
16	S16SPCFAC	S16SPCFAC:W16 Spec health facilty, prv 2 yrs/since PrvIvw	Categ
E	REDRUGS	REDRUGS:EXIT Regularly take Rx	Categ
E	RESPCFAC	RESPCFAC:EXIT Spec health facilty	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2DRUGS	19619	0.70	0.46	0.0	1.0
R3DRUGS	17952	0.69	0.46	0.0	1.0
R4DRUGS	21351	0.73	0.44	0.0	1.0
R5DRUGS	19546	0.78	0.42	0.0	1.0
R6DRUGS	18147	0.81	0.39	0.0	1.0
R7DRUGS	20092	0.79	0.41	0.0	1.0
R8DRUGS	18451	0.82	0.38	0.0	1.0
R9DRUGS	17199	0.84	0.37	0.0	1.0
R10DRUGS	21874	0.80	0.40	0.0	1.0
R11DRUGS	20512	0.81	0.39	0.0	1.0
R12DRUGS	18715	0.82	0.38	0.0	1.0
R13DRUGS	20828	0.79	0.41	0.0	1.0
R14DRUGS	17097	0.81	0.39	0.0	1.0
R15DRUGS	15657	0.83	0.38	0.0	1.0
R16DRUGS	15700	0.83	0.38	0.0	1.0
S2DRUGS	13276	0.67	0.47	0.0	1.0
S3DRUGS	11907	0.67	0.47	0.0	1.0
S4DRUGS	13969	0.71	0.45	0.0	1.0
S5DRUGS	12722	0.76	0.42	0.0	1.0
S6DRUGS	11634	0.80	0.40	0.0	1.0
S7DRUGS	12957	0.78	0.42	0.0	1.0
S8DRUGS	11727	0.80	0.40	0.0	1.0
S9DRUGS	10639	0.83	0.38	0.0	1.0
S10DRUGS	13417	0.78	0.41	0.0	1.0
S11DRUGS	12470	0.80	0.40	0.0	1.0
S12DRUGS	11004	0.81	0.40	0.0	1.0
S13DRUGS	11753	0.78	0.42	0.0	1.0
S14DRUGS	9341	0.80	0.40	0.0	1.0
S15DRUGS	8461	0.81	0.39	0.0	1.0
S16DRUGS	7821	0.82	0.38	0.0	1.0
R2OUTPT	8217	0.14	0.34	0.0	1.0
R3OUTPT	17939	0.17	0.38	0.0	1.0
R4OUTPT	21349	0.19	0.39	0.0	1.0
R5OUTPT	19541	0.18	0.38	0.0	1.0
R6OUTPT	18120	0.20	0.40	0.0	1.0
R7OUTPT	20076	0.21	0.40	0.0	1.0
R8OUTPT	18425	0.21	0.41	0.0	1.0
R9OUTPT	17155	0.21	0.41	0.0	1.0
R10OUTPT	21702	0.21	0.41	0.0	1.0
R11OUTPT	20450	0.18	0.38	0.0	1.0
R12OUTPT	18664	0.18	0.39	0.0	1.0
R13OUTPT	20750	0.19	0.39	0.0	1.0
R14OUTPT	17021	0.18	0.38	0.0	1.0
R15OUTPT	15545	0.18	0.38	0.0	1.0
R16OUTPT	15587	0.19	0.39	0.0	1.0
S2OUTPT	4548	0.14	0.35	0.0	1.0
S3OUTPT	11897	0.18	0.38	0.0	1.0
S4OUTPT	13966	0.19	0.39	0.0	1.0
S5OUTPT	12718	0.19	0.39	0.0	1.0
S6OUTPT	11618	0.21	0.41	0.0	1.0
S7OUTPT	12949	0.21	0.41	0.0	1.0
S8OUTPT	11716	0.22	0.41	0.0	1.0
S9OUTPT	10617	0.21	0.41	0.0	1.0

S10OUTPT	13329	0.21	0.41	0.0	1.0
S11OUTPT	12447	0.19	0.39	0.0	1.0
S12OUTPT	10978	0.19	0.39	0.0	1.0
S13OUTPT	11724	0.19	0.39	0.0	1.0
S14OUTPT	9316	0.18	0.39	0.0	1.0
S15OUTPT	8435	0.19	0.39	0.0	1.0
S16OUTPT	7787	0.19	0.39	0.0	1.0
R2DENTST	8216	0.45	0.50	0.0	1.0
R3DENTST	17941	0.60	0.49	0.0	1.0
R4DENTST	21340	0.62	0.49	0.0	1.0
R5DENTST	19531	0.61	0.49	0.0	1.0
R6DENTST	18101	0.59	0.49	0.0	1.0
R7DENTST	20064	0.63	0.48	0.0	1.0
R8DENTST	18411	0.63	0.48	0.0	1.0
R9DENTST	17164	0.63	0.48	0.0	1.0
R10DENTST	21725	0.63	0.48	0.0	1.0
R11DENTST	20444	0.61	0.49	0.0	1.0
R12DENTST	18661	0.61	0.49	0.0	1.0
R13DENTST	20755	0.64	0.48	0.0	1.0
R14DENTST	17024	0.63	0.48	0.0	1.0
R15DENTST	15546	0.64	0.48	0.0	1.0
R16DENTST	15599	0.64	0.48	0.0	1.0
S2DENTST	4546	0.50	0.50	0.0	1.0
S3DENTST	11897	0.65	0.48	0.0	1.0
S4DENTST	13965	0.67	0.47	0.0	1.0
S5DENTST	12714	0.67	0.47	0.0	1.0
S6DENTST	11615	0.65	0.48	0.0	1.0
S7DENTST	12949	0.68	0.47	0.0	1.0
S8DENTST	11716	0.68	0.47	0.0	1.0
S9DENTST	10624	0.68	0.47	0.0	1.0
S10DENTST	13342	0.67	0.47	0.0	1.0
S11DENTST	12450	0.65	0.48	0.0	1.0
S12DENTST	10985	0.65	0.48	0.0	1.0
S13DENTST	11731	0.68	0.47	0.0	1.0
S14DENTST	9319	0.67	0.47	0.0	1.0
S15DENTST	8434	0.68	0.47	0.0	1.0
S16DENTST	7791	0.69	0.46	0.0	1.0
R2SPCFAC	8168	0.08	0.27	0.0	1.0
R3SPCFAC	17646	0.06	0.24	0.0	1.0
R4SPCFAC	20932	0.07	0.26	0.0	1.0
R5SPCFAC	19076	0.07	0.25	0.0	1.0
R6SPCFAC	18126	0.08	0.27	0.0	1.0
R7SPCFAC	20084	0.08	0.28	0.0	1.0
R8SPCFAC	18424	0.09	0.29	0.0	1.0
R9SPCFAC	17169	0.09	0.29	0.0	1.0
R10SPCFAC	21728	0.17	0.37	0.0	1.0
R11SPCFAC	20465	0.15	0.36	0.0	1.0
R12SPCFAC	18661	0.16	0.37	0.0	1.0
R13SPCFAC	20749	0.17	0.37	0.0	1.0
R14SPCFAC	17026	0.17	0.37	0.0	1.0
R15SPCFAC	15548	0.16	0.37	0.0	1.0
R16SPCFAC	15598	0.18	0.39	0.0	1.0
S2SPCFAC	4503	0.04	0.21	0.0	1.0
S3SPCFAC	11818	0.05	0.21	0.0	1.0
S4SPCFAC	13886	0.06	0.24	0.0	1.0

S5SPCFAC	12622	0.05	0.22	0.0	1.0
S6SPCFAC	11623	0.07	0.25	0.0	1.0
S7SPCFAC	12960	0.07	0.25	0.0	1.0
S8SPCFAC	11726	0.08	0.27	0.0	1.0
S9SPCFAC	10632	0.08	0.27	0.0	1.0
S10SPCFAC	13344	0.15	0.36	0.0	1.0
S11SPCFAC	12458	0.14	0.34	0.0	1.0
S12SPCFAC	10981	0.14	0.35	0.0	1.0
S13SPCFAC	11733	0.15	0.35	0.0	1.0
S14SPCFAC	9324	0.15	0.36	0.0	1.0
S15SPCFAC	8436	0.14	0.35	0.0	1.0
S16SPCFAC	7798	0.15	0.36	0.0	1.0
REDRUGS	17501	0.92	0.27	0.0	1.0
RESPCFAC	16752	0.26	0.44	0.0	1.0

Categorical Variable Codes

RwDRUGS: Reg take Rx, Prv 2 yrs

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	17	5	9	7	5	4	4	4	2
.J=Web interview, missing										
.M=Oth missing	4	32	21	22	7	22	9	8	147
.R=RF	2	2	3	3	6	11	5	6	11
0.No	5951	5561	5801	4377	3459	4196	3330	2766	4473
1.Yes	13668	12391	15550	15169	14688	15896	15121	14433	17401

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	3	7	4	1	7	2
.J=Web interview, missing				1	2	5
.M=Oth missing	34	23	72	41	52	69
.R=RF	5	2	8	6	5	11
0.No	3865	3350	4333	3223	2727	2667
1.Yes	16647	15365	16495	13874	12930	13033

SwDRUGS: Reg take Rx, Prv 2 yrs

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		9		4	2		1	1	1	1
.J=Web interview, missing										
.M=Oth missing		4	10	6	5	2	5	3	1	90
.R=RF		1		1	1	3	9	4	5	5
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		384	417	536	311	220	380	317	365	724
0.No		4419	3920	4021	3003	2365	2903	2295	1849	2934
1.Yes		8857	7987	9948	9719	9269	10054	9432	8790	10483

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	1	1	1		4	1
.J=Web interview, missing				1	2	2
.M=Oth missing	11	6	22	13	8	11
.R=RF	2	1	3	3	2	5
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	2529	2131	2606	1886	1587	1401
1.Yes	9941	8873	9147	7455	6874	6420

RwOUTPT: Outpatient surgery, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		4	18	11	11	23	23	24	39	56
.J=Web interview, missing										
.M=Oth missing		1	32	20	22	15	21	17	17	264
.Q=Not asked this wv		11420								
.R=RF			2	4	4	7	9	3	6	12
0.No		7086	14843	17334	16043	14451	15946	14490	13586	17160
1.Yes		1131	3096	4015	3498	3669	4130	3935	3569	4542

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	35	27	30	22	29	36
.J=Web interview, missing				7	10	7
.M=Oth missing	64	53	122	92	131	147
.Q=Not asked this wv						
.R=RF	5	3	10	4	8	10
0.No	16770	15240	16846	14013	12771	12682
1.Yes	3680	3424	3904	3008	2774	2905

SwOUTPT: Outpatient surgery, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			9	8	5	12	12	14	21	25
.J=Web interview, missing										
.M=Oth missing		1	11	6	5	5	4	3	4	150
.Q=Not asked this wv		9125								
.R=RF					2	4	7	2	4	9
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No		3893	9792	11289	10348	9175	10200	9153	8362	10469
1.Yes		655	2105	2677	2370	2443	2749	2563	2255	2860

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	14	17	15	11	9	14
.J=Web interview, missing				4	5	4
.M=Oth missing	19	16	35	26	23	30
.Q=Not asked this wv						
.R=RF	4	1	5	1	5	5
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	10115	8883	9498	7618	6859	6332
1.Yes	2332	2095	2226	1698	1576	1455

RwDENTST: Dental visit, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		5	17	22	23	39	35	35	28	27
.J=Web interview, missing										
.M=Oth missing		1	32	20	22	15	21	17	19	264
.Q=Not asked this wv		11420								
.R=RF			1	2	2	10	9	6	6	18
0.No		4518	7184	8134	7582	7343	7497	6890	6428	7983
1.Yes		3698	10757	13206	11949	10758	12567	11521	10736	13742

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	39	25	16	17	26	21
.J=Web interview, missing				3	2	4
.M=Oth missing	64	54	123	92	134	146
.Q=Not asked this wv						
.R=RF	7	7	18	10	15	17
0.No	8057	7348	7548	6297	5640	5560
1.Yes	12387	11313	13207	10727	9906	10039

SwDENTST: Dental visit, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		2	10	9	10	13	14	14	14	10
.J=Web interview, missing										
.M=Oth missing		1	10	6	5	5	4	3	5	150
.Q=Not asked this wv		9125								
.R=RF					1	6	5	2	3	11
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No		2290	4174	4625	4259	4085	4164	3805	3426	4350
1.Yes		2256	7723	9340	8455	7530	8785	7911	7198	8992

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	12	7	5	8	10	9
.J=Web interview, missing				1	2	3
.M=Oth missing	19	16	35	26	24	30
.Q=Not asked this wv						
.R=RF	3	4	8	4	7	7
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	4362	3800	3808	3044	2725	2446
1.Yes	8088	7185	7923	6275	5709	5345

RwSPCFAC: Spec health facilty, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		1	6		3	15	14	19	20	25
.J=Web interview, missing										
.M=Oth missing		52	38	20	498	15	22	18	19	266
.N=In NHM			298	429						
.Q=Not asked this wv		11420								
.R=RF		1	3	3	1	9	9	8	9	15
0.No		7520	16535	19449	17788	16706	18391	16674	15546	18061
1.Yes		648	1111	1483	1288	1420	1693	1750	1623	3667

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	20	25	27	12	21	20
.J=Web interview, missing				7	7	6
.M=Oth missing	65	55	125	95	138	151
.N=In NHM						
.Q=Not asked this wv						
.R=RF	4	6	11	6	9	12
0.No	17348	15631	17304	14171	13008	12714
1.Yes	3117	3030	3445	2855	2540	2884

SwSPCFAC: Spec health facilty, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			2		1	7	3	3	5	11
.J=Web interview, missing										
.M=Oth missing		24	14	6	107	5	5	3	5	150
.N=In NHM			82	88						
.Q=Not asked this wv		9125								
.R=RF			1			4	4	3	4	8
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		22	417	536	311	220	380	317	365	724
0.No		4304	11251	13068	11958	10850	12065	10804	9804	11286
1.Yes		199	567	818	664	773	895	922	828	2058

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	5	12	8	2	8	4
.J=Web interview, missing				5	4	2
.M=Oth missing	19	16	35	26	25	30
.N=In NHM						
.Q=Not asked this wv						
.R=RF	2	3	3	1	4	6
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	10767	9440	10028	7936	7244	6596
1.Yes	1691	1541	1705	1388	1192	1202

REDRUGS: EXIT Regularly take Rx

Value	
.D=DK	172
.M=Oth missing	35
.R=RF	4
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	1353
1.Yes	16148

RESPCFAC: EXIT Spec health facilty

Value	
.D=DK/NA	198
.M=Oth missing	45
.N=In NHM	537
.Q=Not asked this wv	175
.R=RF	5
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	12427
1.Yes	4325

How Constructed

Core Interview Variables

RwDRUGS, RwOUTPT, RwDENTST, and RwSPCFAC indicate whether the Respondent reports regular use of prescription drugs, outpatient surgery, dental visits, or use of special facilities or services during the reference period. In Wave 2A the reference period is 12 months, and in subsequent waves it is the period since the last interview, or the last 2 years for new interviewees.

SwDRUGS, SwOUTPT, SwDENTST, and SwSPCFAC give this information for the Respondent's spouse or partner.

In Wave 1, questions ask about hospital and nursing home stays, doctor visits, and home health care. In Wave 2H, questions are added that ask about prescription drugs. In Wave 2A and from Wave 3 forward, questions are added that ask about outpatient surgery, dentist, and special facilities or services.

These medical care utilization variables are recoded as yes/no indicators and for missing values.

In Wave 2A, the question about outpatient surgery, dental visits, or regular use of prescription drugs was asked of financial and non-financial Respondents. When information is available for both Respondent types, the Financial Respondent's HH-level information may not agree with the information given by individual Respondents, in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible, we use HH level data to fill missing spouse/partners' information. Only the Financial Respondent was asked to answer whether themselves, their partner or both have any use of special facilities or services. If the Financial Respondent answers themselves or "both," then R2SPCFAC set to 1 for yes.

In Wave 2A, the S2DRUGS, S2OUTPT, S2DENTST values are taken from spouse's or HH-level response. For all other waves, the spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3OUTPT is taken from the Wave 3 spouse's R3OUTPT variable.

Exit Interview Variables

REDRUGS indicates whether the Respondent regularly took prescription medications before death.

RESPCFAC is an indicator for special facility or service usage. In Waves 2 through 4, if the proxy indicates the Respondent is a nursing home resident at time of death, the special facility question is skipped. A missing code .N indicating Nursing Home Resident is assigned in this case.

Core and Exit Differences

From Core Interview Wave 2A, and from Wave 3 forward, questions are added that ask about outpatient surgery, and visits to the dentist to create RxOUTPT and RxDENTST. The Exit Interview does not have comparable questions.

Cross Wave Differences in Original HRS Data

Core Interview Variables

The questions about medical service utilization vary across waves. Wave 1 and 2A questions ask about the last 12 months, while questions in other waves ask about the period since the previous interview or the last 2 years.

In Wave 1, questions ask about hospital and nursing home stays, doctor visits, and home health care. In Wave 2H, questions are added that ask about prescription drugs. In Wave 2A and from Wave 3 forward, questions are added that ask about outpatient surgery, dentist, and special facilities or services.

In Wave 2A, the Financial Respondent was asked the medical utilization and expenditure questions, which differs from all other waves. Questions asked only of the Financial Respondent yield HH-level data, and those asked of all Respondents yield Respondent-level data. Note that when both levels are available the Financial Respondent's HH-level information may not agree with the information given by individual Respondents in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible for utilization variables, we use HH level data to fill missing spouse/partners' information.

For prescription drugs, the Wave 2H question asks if the Respondent regularly purchases medications prescribed by a doctor. In Wave 2A and from Wave 3 on, the question asks if the Respondent regularly takes prescription medications. From Wave 4 forward, if the Respondent reported taking drugs when asked about health conditions, the question is not asked, but the variable is filled indicating the use of prescription drugs (Medications Known - Assigned).

From Wave 2A and Wave 3 on, questions are added which ask if the Respondent has seen a dentist for dental care including dentures; had outpatient surgery, not counting hospital stays; and used any special facility or service not already asked about, such as an adult care center, a social worker, an outpatient rehabilitation program, or transportation or meals for the elderly or disabled. These questions are not asked in Waves 1 and 2H. In Wave 2A, only the Financial Respondent was asked to answer whether themselves, their partner, or both used special facilities or services.

Exit Interview Variables

In Wave 2H the question is: "Did (he/she) regularly purchase medications prescribed by a Dr.?" From Wave 3 forward, the question is: "Was (he/she) regularly taking any prescription medications before (his/her) death?" From Wave 4 forward, the question includes an additional response option, "Yes, Medications Known". This is folded into the "Yes" response.

In Waves 3 and 4 the special facility and services question is skipped over if the Respondent was living in a nursing home or other care facility at the time of death. These cases are set to special missing character .N, meaning the Respondent lived in a nursing home.

HRS Variables Used

Core Interview Variables

```
AHEAD 1993:
    B654R           E14. R OUTPATIENT SURGERY LAST 12 MOS
    B669R           E17. R DENTIST LAST 12 MOS
    B685R           E20. R TAKEN MEDS LAST 12 MOS
    B715            E24. R/SP USE OTHER SERVICE LAST 12 MOS
HRS 1994:
    W433            B33-1a.PURCHASE MEDICATI
AHEAD 1995:
    D1713           E14. OUTPATIENT SURGERY
    D1728           E17. DENTIST
    D1744           E20. DRUGS
    D1774           E24.R USE SERVICE
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HRS 1996:
    E1795           E14. OUTPATIENT SURGERY-YR
    E1800           E17.DENTIST-YR
    E1811           E20. DRUGS-YR
    E1831           E24.R USE SERVICE
HRS 1998:
    F2333           E14. OUTPATIENT SURGERY-YR
    F2335           E17.DENTIST-YR
    F2345           E20. DRUGS-YR
    F2361           E24.R USE SERVICE
HRS 2000:
    G2610           E14. OUTPATIENT SURGERY-YR
    G2612           E17.DENTIST-YR
    G2622           E20. DRUGS-YR
    G2638           E24.R USE SERVICE
HRS 2002-2022:
    xN134           OUTPATIENT SURGERY- PREV IW/2 YRS
    xN164           SEEN DENTIST SINCE PREV IW/2YRS
    xN175           TAKE PRESCRIPTION DRUGS REGULARLY
    xN202           USED OTHER HEALTH SVC- PREV IW/2 YRS
```

Exit Interview Variables

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HRS 1994:
    W433            B33-1a.PURCHASE MEDICATI
AHEAD 1995:
    N1744           E20.DRUGS-YR
    N1774           E24.R USE SERVICE
HRS 1996:
    P1325           E20. DRUGS-YR
    P1355           E24.R USE SERVICE
HRS 1998:
    Q1792           E20. DRUGS-YR
    Q1808           E24.R USE SERVICE
HRS 2000:
    R1808           E20. DRUGS-YR
    R1824           E24.R USE SERVICE
HRS 2002-2022:
    xN175           TAKE PRESCRIPTION DRUGS REGULARLY
    xN202           USED OTHER HEALTH SVC- PREV IW/2 YRS
```

Medical expenditures: Out of Pocket and Total

Wave	Variable	Label	Type
2	H2OOPMD	H2OOPMD:W2 Mexp Amt:HH Out of pkt med exp, prv 12 mos	Cont
2	R2OOPMD	R2OOPMD:W2 Mexp Amt:Out of pkt med exp, prv 12 mos	Cont
3	R3OOPMD	R3OOPMD:W3 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
4	R4OOPMD	R4OOPMD:W4 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
5	R5OOPMD	R5OOPMD:W5 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
6	R6OOPMD	R6OOPMD:W6 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
7	R7OOPMD	R7OOPMD:W7 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
8	R8OOPMD	R8OOPMD:W8 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
9	R9OOPMD	R9OOPMD:W9 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
10	R10OOPMD	R10OOPMD:W10 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
11	R11OOPMD	R11OOPMD:W11 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
12	R12OOPMD	R12OOPMD:W12 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
13	R13OOPMD	R13OOPMD:W13 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
14	R14OOPMD	R14OOPMD:W14 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
15	R15OOPMD	R15OOPMD:W15 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
16	R16OOPMD	R16OOPMD:W16 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
2	S2OOPMD	S2OOPMD:W2 Mexp Amt:Out of pkt med exp, prv 12 mos	Cont
3	S3OOPMD	S3OOPMD:W3 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
4	S4OOPMD	S4OOPMD:W4 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
5	S5OOPMD	S5OOPMD:W5 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
6	S6OOPMD	S6OOPMD:W6 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
7	S7OOPMD	S7OOPMD:W7 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
8	S8OOPMD	S8OOPMD:W8 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
9	S9OOPMD	S9OOPMD:W9 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
10	S10OOPMD	S10OOPMD:W10 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
11	S11OOPMD	S11OOPMD:W11 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
12	S12OOPMD	S12OOPMD:W12 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
13	S13OOPMD	S13OOPMD:W13 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
14	S14OOPMD	S14OOPMD:W14 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
15	S15OOPMD	S15OOPMD:W15 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
16	S16OOPMD	S16OOPMD:W16 Mexp Amt:Out of pkt med exp, ref/prv 2 yrs	Cont
2	H2OOPMDF	H2OOPMDF:W2 Mexp Flag:HH Out of pkt imputed	Categ
2	R2OOPMDF	R2OOPMDF:W2 Mexp Flag:Out of pkt imputed	Categ
3	R3OOPMDF	R3OOPMDF:W3 Mexp Flag:Out of pkt imputed	Categ
4	R4OOPMDF	R4OOPMDF:W4 Mexp Flag:Out of pkt imputed	Categ
5	R5OOPMDF	R5OOPMDF:W5 Mexp Flag:Out of pkt imputed	Categ
6	R6OOPMDF	R6OOPMDF:W6 Mexp Flag:Out of pkt imputed	Categ
7	R7OOPMDF	R7OOPMDF:W7 Mexp Flag:Out of pkt imputed	Categ
8	R8OOPMDF	R8OOPMDF:W8 Mexp Flag:Out of pkt imputed	Categ
9	R9OOPMDF	R9OOPMDF:W9 Mexp Flag:Out of pkt imputed	Categ
10	R10OOPMDF	R10OOPMDF:W10 Mexp Flag:Out of pkt imputed	Categ
11	R11OOPMDF	R11OOPMDF:W11 Mexp Flag:Out of pkt imputed	Categ
12	R12OOPMDF	R12OOPMDF:W12 Mexp Flag:Out of pkt imputed	Categ
13	R13OOPMDF	R13OOPMDF:W13 Mexp Flag:Out of pkt imputed	Categ
14	R14OOPMDF	R14OOPMDF:W14 Mexp Flag:Out of pkt imputed	Categ
15	R15OOPMDF	R15OOPMDF:W15 Mexp Flag:Out of pkt imputed	Categ
16	R16OOPMDF	R16OOPMDF:W16 Mexp Flag:Out of pkt imputed	Categ
2	S2OOPMDF	S2OOPMDF:W2 Mexp Flag:Out of pkt imputed	Categ
3	S3OOPMDF	S3OOPMDF:W3 Mexp Flag:Out of pkt imputed	Categ
4	S4OOPMDF	S4OOPMDF:W4 Mexp Flag:Out of pkt imputed	Categ
5	S5OOPMDF	S5OOPMDF:W5 Mexp Flag:Out of pkt imputed	Categ
6	S6OOPMDF	S6OOPMDF:W6 Mexp Flag:Out of pkt imputed	Categ
7	S7OOPMDF	S7OOPMDF:W7 Mexp Flag:Out of pkt imputed	Categ
8	S8OOPMDF	S8OOPMDF:W8 Mexp Flag:Out of pkt imputed	Categ
9	S9OOPMDF	S9OOPMDF:W9 Mexp Flag:Out of pkt imputed	Categ
10	S10OOPMDF	S10OOPMDF:W10 Mexp Flag:Out of pkt imputed	Categ
11	S11OOPMDF	S11OOPMDF:W11 Mexp Flag:Out of pkt imputed	Categ
12	S12OOPMDF	S12OOPMDF:W12 Mexp Flag:Out of pkt imputed	Categ
13	S13OOPMDF	S13OOPMDF:W13 Mexp Flag:Out of pkt imputed	Categ
14	S14OOPMDF	S14OOPMDF:W14 Mexp Flag:Out of pkt imputed	Categ
15	S15OOPMDF	S15OOPMDF:W15 Mexp Flag:Out of pkt imputed	Categ

16	S16OOPMDF	S16OOPMDF:W16 Mexp Flag:Out of pkt imputed	Categ
2	H2OOPMA	H2OOPMA:W2 Mexp Amt:HH Out of pkt med exp for all,prv 12 mos	Cont
2	H2OOPMAF	H2OOPMAF:W2 Mexp Flag:HH Out of pkt imputed for all	Categ
10	R10OOPMDO	R10OOPMDO:W10 Mexp Amt:Out of pkt med exp w oth, ref/prv 2 yrs	Cont
11	R11OOPMDO	R11OOPMDO:W11 Mexp Amt:Out of pkt med exp w oth, ref/prv 2 yrs	Cont
12	R12OOPMDO	R12OOPMDO:W12 Mexp Amt:Out of pkt med exp w oth, ref/prv 2 yrs	Cont
13	R13OOPMDO	R13OOPMDO:W13 Mexp Amt:Out of pkt med exp w oth, ref/prv 2 yrs	Cont
14	R14OOPMDO	R14OOPMDO:W14 Mexp Amt:Out of pkt med exp w oth, ref/prv 2 yrs	Cont
15	R15OOPMDO	R15OOPMDO:W15 Mexp Amt:Out of pkt med exp w oth, ref/prv 2 yrs	Cont
16	R16OOPMDO	R16OOPMDO:W16 Mexp Amt:Out of pkt med exp w oth, ref/prv 2 yrs	Cont
10	S10OOPMDO	S10OOPMDO:W10 Mexp Amt:Out of pkt med exp w oth, ref/prv 2 yrs	Cont
11	S11OOPMDO	S11OOPMDO:W11 Mexp Amt:Out of pkt med exp w oth, ref/prv 2 yrs	Cont
12	S12OOPMDO	S12OOPMDO:W12 Mexp Amt:Out of pkt med exp w oth, ref/prv 2 yrs	Cont
13	S13OOPMDO	S13OOPMDO:W13 Mexp Amt:Out of pkt med exp w oth, ref/prv 2 yrs	Cont
14	S14OOPMDO	S14OOPMDO:W14 Mexp Amt:Out of pkt med exp w oth, ref/prv 2 yrs	Cont
15	S15OOPMDO	S15OOPMDO:W15 Mexp Amt:Out of pkt med exp w oth, ref/prv 2 yrs	Cont
16	S16OOPMDO	S16OOPMDO:W16 Mexp Amt:Out of pkt med exp w oth, ref/prv 2 yrs	Cont
10	R10OOPMDOF	R10OOPMDOF:W10 Mexp Flag:Out of pkt w oth imputed	Categ
11	R11OOPMDOF	R11OOPMDOF:W11 Mexp Flag:Out of pkt w oth imputed	Categ
12	R12OOPMDOF	R12OOPMDOF:W12 Mexp Flag:Out of pkt w oth imputed	Categ
13	R13OOPMDOF	R13OOPMDOF:W13 Mexp Flag:Out of pkt w oth imputed	Categ
14	R14OOPMDOF	R14OOPMDOF:W14 Mexp Flag:Out of pkt w oth imputed	Categ
15	R15OOPMDOF	R15OOPMDOF:W15 Mexp Flag:Out of pkt w oth imputed	Categ
16	R16OOPMDOF	R16OOPMDOF:W16 Mexp Flag:Out of pkt w oth imputed	Categ
10	S10OOPMDOF	S10OOPMDOF:W10 Mexp Flag:Out of pkt w oth imputed	Categ
11	S11OOPMDOF	S11OOPMDOF:W11 Mexp Flag:Out of pkt w oth imputed	Categ
12	S12OOPMDOF	S12OOPMDOF:W12 Mexp Flag:Out of pkt w oth imputed	Categ
13	S13OOPMDOF	S13OOPMDOF:W13 Mexp Flag:Out of pkt w oth imputed	Categ
14	S14OOPMDOF	S14OOPMDOF:W14 Mexp Flag:Out of pkt w oth imputed	Categ
15	S15OOPMDOF	S15OOPMDOF:W15 Mexp Flag:Out of pkt w oth imputed	Categ
16	S16OOPMDOF	S16OOPMDOF:W16 Mexp Flag:Out of pkt w oth imputed	Categ
3	R3TOTMD	R3TOTMD:W3 Total med expenses, ref/prv 2 yrs	Cont
3	S3TOTMD	S3TOTMD:W3 Total med expenses, ref/prv 2 yrs	Cont
3	R3TOTMDF	R3TOTMDF:W3 Total med imputed	Categ
3	S3TOTMDF	S3TOTMDF:W3 Total med imputed	Categ
3	R3TOTMBI	R3TOTMBI:W3 Imputed Tot Med Exp Bkt	Categ
4	R4TOTMBI	R4TOTMBI:W4 Imputed Tot Med Exp Bkt	Categ
5	R5TOTMBI	R5TOTMBI:W5 Imputed Tot Med Exp Bkt	Categ
6	R6TOTMBI	R6TOTMBI:W6 Imputed Tot Med Exp Bkt	Categ
3	S3TOTMBI	S3TOTMBI:W3 Imputed Tot Med Exp Bkt	Categ
4	S4TOTMBI	S4TOTMBI:W4 Imputed Tot Med Exp Bkt	Categ
5	S5TOTMBI	S5TOTMBI:W5 Imputed Tot Med Exp Bkt	Categ
6	S6TOTMBI	S6TOTMBI:W6 Imputed Tot Med Exp Bkt	Categ
3	R3TOTMBF	R3TOTMBF:W3 Tot Med Exp Bkt, ImpFlag	Categ
4	R4TOTMBF	R4TOTMBF:W4 Tot Med Exp Bkt, ImpFlag	Categ
5	R5TOTMBF	R5TOTMBF:W5 Tot Med Exp Bkt, ImpFlag	Categ
6	R6TOTMBF	R6TOTMBF:W6 Tot Med Exp Bkt, ImpFlag	Categ
3	S3TOTMBF	S3TOTMBF:W3 Tot Med Exp Bkt, ImpFlag	Categ
4	S4TOTMBF	S4TOTMBF:W4 Tot Med Exp Bkt, ImpFlag	Categ
5	S5TOTMBF	S5TOTMBF:W5 Tot Med Exp Bkt, ImpFlag	Categ
6	S6TOTMBF	S6TOTMBF:W6 Tot Med Exp Bkt, ImpFlag	Categ
8	R8PARTD	R8PARTD:W8 R Medicare Part D status	Categ
8	S8PARTD	S8PARTD:W8 S Medicare Part D status	Categ
E	REOOPMD	REOOPMD:EXIT Mexp Amt: Out of pkt med exp	Cont
E	REOOPMDF	REOOPMDF:EXIT Mexp Flag: Out of pkt med exp	Categ

E	REOOPMDO	REOOPMDO:EXIT Mexp Amt: Out of pkt med exp w oth	Cont
E	REOOPMDOF	REOOPMDOF:EXIT Mexp Flag: Out of pkt med exp w oth	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H2OOPMD	8222	982.52	2728.53	0.0	60400.0
R2OOPMD	8222	634.01	2016.13	0.0	55000.0
R3OOPMD	17991	2351.35	6960.32	0.0	245550.0
R4OOPMD	21384	2339.14	8094.56	0.0	529811.0
R5OOPMD	19578	2498.63	6984.17	0.0	250000.0
R6OOPMD	18165	4079.15	15616.54	0.0	1306575.0
R7OOPMD	20129	4642.56	24809.59	0.0	2100500.0
R8OOPMD	18469	3600.99	9487.53	0.0	325210.0
R9OOPMD	17217	3458.95	10545.75	0.0	471820.0
R10OOPMD	22034	3795.54	10547.78	0.0	604278.0
R11OOPMD	20554	3429.56	9325.33	0.0	364000.0
R12OOPMD	18747	3312.61	10123.00	0.0	477480.0
R13OOPMD	20912	3554.08	13725.93	0.0	1004600.0
R14OOPMD	17146	2842.51	8265.69	0.0	353155.0
R15OOPMD	15723	2966.97	10791.24	0.0	1008072.0
R16OOPMD	15787	2878.61	8351.15	0.0	277670.0
S2OOPMD	4549	629.90	2074.43	0.0	45000.0
S3OOPMD	11917	2226.36	6330.05	0.0	245550.0
S4OOPMD	13980	2090.12	5991.81	0.0	301601.1
S5OOPMD	12730	2210.34	5614.47	0.0	250000.0
S6OOPMD	11639	3642.93	15294.27	0.0	1306575.0
S7OOPMD	12972	4144.68	23136.56	0.0	2100500.0
S8OOPMD	11735	3263.22	7680.04	0.0	325210.0
S9OOPMD	10646	3064.56	6997.27	0.0	263700.0
S10OOPMD	13513	3605.22	9118.11	0.0	604278.0
S11OOPMD	12484	3147.22	7243.75	0.0	207300.0
S12OOPMD	11012	2886.68	6562.48	0.0	193350.0
S13OOPMD	11779	3301.83	11842.49	0.0	1004600.0
S14OOPMD	9358	2797.34	6846.01	0.0	224284.8
S15OOPMD	8477	2923.34	6915.01	0.0	250400.0
S16OOPMD	7840	2743.31	5931.53	0.0	106728.8
H2OOPMDF	8222	0.20	0.40	0.0	1.0
R2OOPMDF	8222	0.84	0.88	0.0	2.0
R3OOPMDF	17991	0.23	0.42	0.0	1.0
R4OOPMDF	21384	0.18	0.38	0.0	1.0
R5OOPMDF	19578	0.16	0.36	0.0	1.0
R6OOPMDF	18165	0.23	0.42	0.0	1.0
R7OOPMDF	20129	0.20	0.40	0.0	1.0
R8OOPMDF	18469	0.21	0.41	0.0	1.0
R9OOPMDF	17217	0.19	0.39	0.0	1.0
R10OOPMDF	22034	0.16	0.37	0.0	1.0
R11OOPMDF	20554	0.16	0.36	0.0	1.0
R12OOPMDF	18747	0.15	0.36	0.0	1.0
R13OOPMDF	20912	0.15	0.35	0.0	1.0
R14OOPMDF	17146	0.13	0.34	0.0	1.0
R15OOPMDF	15723	0.14	0.35	0.0	1.0
R16OOPMDF	15787	0.12	0.32	0.0	1.0

S2OOPMDF	4549	1.35	0.82	0.0	2.0
S3OOPMDF	11917	0.22	0.42	0.0	1.0
S4OOPMDF	13980	0.17	0.38	0.0	1.0
S5OOPMDF	12730	0.16	0.36	0.0	1.0
S6OOPMDF	11639	0.23	0.42	0.0	1.0
S7OOPMDF	12972	0.20	0.40	0.0	1.0
S8OOPMDF	11735	0.21	0.41	0.0	1.0
S9OOPMDF	10646	0.18	0.39	0.0	1.0
S10OOPMDF	13513	0.15	0.36	0.0	1.0
S11OOPMDF	12484	0.15	0.36	0.0	1.0
S12OOPMDF	11012	0.14	0.35	0.0	1.0
S13OOPMDF	11779	0.14	0.34	0.0	1.0
S14OOPMDF	9358	0.12	0.32	0.0	1.0
S15OOPMDF	8477	0.14	0.34	0.0	1.0
S16OOPMDF	7840	0.11	0.31	0.0	1.0
H2OOPMA	8222	1034.66	2756.73	0.0	60400.0
H2OOPMAF	8222	0.23	0.42	0.0	1.0
R10OOPMDO	22034	3926.33	10754.07	0.0	610278.0
R11OOPMDO	20554	3559.26	9539.85	0.0	374000.0
R12OOPMDO	18747	3469.36	10568.48	0.0	477480.0
R13OOPMDO	20912	3709.48	13909.16	0.0	1004600.0
R14OOPMDO	17146	2992.35	8518.66	0.0	353155.0
R15OOPMDO	15723	3098.45	10926.87	0.0	1008072.0
R16OOPMDO	15787	3019.37	8503.41	0.0	277670.0
S10OOPMDO	13513	3724.16	9306.15	0.0	610278.0
S11OOPMDO	12484	3267.00	7435.75	0.0	207300.0
S12OOPMDO	11012	3028.16	7203.72	0.0	263426.0
S13OOPMDO	11779	3448.00	11948.00	0.0	1004600.0
S14OOPMDO	9358	2939.28	7177.44	0.0	224284.8
S15OOPMDO	8477	3044.00	7153.95	0.0	270400.0
S16OOPMDO	7840	2877.56	6154.01	0.0	106728.8
R10OOPMDOF	22034	0.17	0.37	0.0	1.0
R11OOPMDOF	20554	0.16	0.37	0.0	1.0
R12OOPMDOF	18747	0.16	0.37	0.0	1.0
R13OOPMDOF	20912	0.15	0.36	0.0	1.0
R14OOPMDOF	17146	0.13	0.34	0.0	1.0
R15OOPMDOF	15723	0.15	0.35	0.0	1.0
R16OOPMDOF	15787	0.12	0.33	0.0	1.0
S10OOPMDOF	13513	0.16	0.36	0.0	1.0
S11OOPMDOF	12484	0.15	0.36	0.0	1.0
S12OOPMDOF	11012	0.14	0.35	0.0	1.0
S13OOPMDOF	11779	0.14	0.35	0.0	1.0
S14OOPMDOF	9358	0.12	0.33	0.0	1.0
S15OOPMDOF	8477	0.14	0.35	0.0	1.0
S16OOPMDOF	7840	0.11	0.31	0.0	1.0
R3TOTMD	10964	9918.04	36646.13	0.0	1000000.0
S3TOTMD	8308	9441.58	33963.68	0.0	1000000.0
R3TOTMDF	10964	1.78	1.16	1.0	6.0

S3TOTMDF	8308	1.73	1.12	1.0	6.0
R3TOTMBI	17363	3.57	2.02	1.0	11.0
R4TOTMBI	20777	3.56	2.01	1.0	11.0
R5TOTMBI	19069	3.78	2.05	1.0	11.0
R6TOTMBI	17747	4.28	2.22	1.0	11.0
S3TOTMBI	11521	3.47	1.97	1.0	11.0
S4TOTMBI	13612	3.48	1.97	1.0	11.0
S5TOTMBI	12437	3.67	1.99	1.0	11.0
S6TOTMBI	11387	4.15	2.16	1.0	11.0
R3TOTMBF	17363	0.05	0.21	0.0	1.0
R4TOTMBF	20777	0.11	0.32	0.0	1.0
R5TOTMBF	19069	0.11	0.32	0.0	1.0
R6TOTMBF	17747	0.21	0.41	0.0	1.0
S3TOTMBF	11521	0.03	0.18	0.0	1.0
S4TOTMBF	13612	0.10	0.30	0.0	1.0
S5TOTMBF	12437	0.09	0.29	0.0	1.0
S6TOTMBF	11387	0.20	0.40	0.0	1.0
R8PARTD	18469	0.41	0.73	0.0	2.0
S8PARTD	11735	0.34	0.69	0.0	2.0
REOOPMD	17537	9976.61	27543.24	0.0	968200.0
REOOPMDF	17537	0.36	0.48	0.0	1.0
REOOPMDO	17537	10452.64	28449.53	0.0	968200.0
REOOPMDOF	17537	0.37	0.48	0.0	1.0

Categorical Variable Codes

HwOOPMDF: Mexp Flag:HH Out of pkt imputed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		11420								
0.Not imputed		6545								
1.Imputed		1677								

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
0.Not imputed						
1.Imputed						

RwOOPMDF: Mexp Flag:Out of pkt imputed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		11420								
0.Not imputed		3945	13817	17601	16485	13964	16097	14537	13891	18476
1.Imputed		1671	4174	3783	3093	4201	4032	3932	3326	3558
2.Couple allocation		2606								

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
0.Not imputed	17323	15866	17834	14932	13489	13923
1.Imputed	3231	2881	3078	2214	2234	1864
2.Couple allocation						

SwOOPMDF: Mexp Flag:Out of pkt imputed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		9125								
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.Not imputed		1026	9244	11541	10736	9019	10421	9277	8694	11471
1.Imputed		919	2673	2439	1994	2620	2551	2458	1952	2042
2.Couple allocation		2604								

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Not imputed	10622	9476	10181	8257	7327	6999
1.Imputed	1862	1536	1598	1101	1150	841
2.Couple allocation						

HwOOPMAF: Mexp Flag:HH Out of pkt imputed for all

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10

Value	
.Q=Not asked this wv	11420
0.Not imputed	6300
1.Imputed	1922

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
0.Not imputed						
1.Imputed						

RwOOPMDOF: Mexp Flag:Out of pkt w oth imputed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Not imputed										18356
1.Imputed										3678

Value	w11	w12	w13	w14	w15	w16
0.Not imputed	17225	15759	17732	14851	13411	13865
1.Imputed	3329	2988	3180	2295	2312	1922

SwOOPMDOF: Mexp Flag:Out of pkt w oth imputed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried										7797
.V=Spouse NR										724
0.Not imputed										11414
1.Imputed										2099

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Not imputed	10580	9436	10131	8220	7298	6979
1.Imputed	1904	1576	1648	1138	1179	861

RwTOTMDF: Total med imputed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv			7027							
1.Continuous value			5206							
2.Complete bracket			4920							
3.Incomplete bracket			102							
5.No value/bracket			265							
6.No expense			471							

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
1.Continuous value						
2.Complete bracket						
3.Incomplete bracket						
5.No value/bracket						
6.No expense						

SwTOTMDF: Total med imputed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv			3704							
.U=Unmarried			5657							
.V=Spouse NR			322							
1.Continuous value			4116							
2.Complete bracket			3631							
3.Incomplete bracket			62							
5.No value/bracket			173							
6.No expense			326							

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
.U=Unmarried						
.V=Spouse NR						
1.Continuous value						
2.Complete bracket						
3.Incomplete bracket						
5.No value/bracket						
6.No expense						

RwTOTMBI: Imputed Tot Med Exp Bkt

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=No utilization			628	607	509	418				
1.0 to 1000-			4251	4670	3606	2626				
2.About 1000				1283	1164	933				
3.1001 to 5000-			6306	5937	5279	4001				
4.About 5000				1444	1474	1382				
5.5001 to 25000-			4796	4593	4401	4528				
6.About 25000				641	663	767				
7.25001 to 100000-			1643	1702	1841	2381				
8.About 100000				162	247	343				
9.100001 to 500000-			338	294	328	625				
10.About 500000				29	22	49				
11.500000 above			29	22	44	112				

Value	w11	w12	w13	w14	w15	w16
.N=No utilization						
1.0 to 1000-						
2.About 1000						
3.1001 to 5000-						
4.About 5000						
5.5001 to 25000-						
6.About 25000						
7.25001 to 100000-						
8.About 100000						
9.100001 to 500000-						
10.About 500000						
11.500000 above						

SwTOTMBI: Imputed Tot Med Exp Bkt

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=No utilization			396	368	293	252				
.U=Unmarried			5657	6868	6537	6306				
.V=Spouse NR			417	536	311	220				
1.0 to 1000-			2920	3183	2466	1750				
2.About 1000				843	755	622				
3.1001 to 5000-			4350	4041	3646	2706				
4.About 5000				926	943	931				
5.5001 to 25000-			3086	2942	2850	2951				
6.About 25000				369	377	461				
7.25001 to 100000-			952	1015	1053	1359				
8.About 100000				87	133	184				
9.100001 to 500000-			201	184	183	334				
10.About 500000				12	12	26				
11.500000 above			12	10	19	63				

Value	w11	w12	w13	w14	w15	w16
.N=No utilization						
.U=Unmarried						
.V=Spouse NR						
1.0 to 1000-						
2.About 1000						
3.1001 to 5000-						
4.About 5000						
5.5001 to 25000-						
6.About 25000						
7.25001 to 100000-						
8.About 100000						

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
9.100001 to 500000-										
10.About 500000										
11.500000 above										

RwTOTMBF: Tot Med Exp Bkt, ImpFlag

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=No utilization			628	607	509	418				
0.Not imputed			16578	18395	16885	14031				
1.Imputed			785	2382	2184	3716				

Value	w11	w12	w13	w14	w15	w16
.N=No utilization						
0.Not imputed						
1.Imputed						

SwTOTMBF: Tot Med Exp Bkt, ImpFlag

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=No utilization			396	368	293	252				
.U=Unmarried			5657	6868	6537	6306				
.V=Spouse NR			417	536	311	220				
0.Not imputed			11140	12288	11268	9091				
1.Imputed			381	1324	1169	2296				

Value	w11	w12	w13	w14	w15	w16
.N=No utilization						
.U=Unmarried						
.V=Spouse NR						
0.Not imputed						
1.Imputed						

RwPARTD: R Medicare Part D status

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No part D								13602		
1.Part D but no change								2180		
2.Part D and change in use								2687		

Value	w11	w12	w13	w14	w15	w16
0.No part D						
1.Part D but no change						
2.Part D and change in use						

SwPARTD: S Medicare Part D status

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried								6417		
.V=Spouse NR								317		
0.No part D								9159		
1.Part D but no change								1142		
2.Part D and change in use								1434		

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried						
.V=Spouse NR						
0.No part D						
1.Part D but no change						
2.Part D and change in use						

REOOPMDF: EXIT Mexp Flag: Out of pkt med exp

Value	
.Q=Not asked this wv	175
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.Not imputed	11272
1.Imputed	6265

REOOPMDOF: EXIT Mexp Flag: Out of pkt med exp w oth

Value	
.Q=Not asked this wv	175
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.Not imputed	11005
1.Imputed	6532

General Comments

Medical expenditure measures are reported in nominal dollars. When an HRS or AHEAD medical expenditure component is missing, it is imputed using the method described in the section titled "Health Care Utilization and Medical Expenditures" earlier in this document.

The HRS and AHEAD medical expenditure components are summed to create the medical expenditure measures found here in the RAND HRS Longitudinal File. For each derived medical expenditure measure, a flag indicates whether any or all of its components were imputed. Individual medical expenditure components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

Core Interview Variables

RwOOPMD and RwOOPMDO are total out-of-pocket medical expenditures in the reference period. In Wave 2A the reference period is 12 months; in other waves it is the period since the last interview, or the last 2 years for new interviewees. In Wave 3 forward, RwOOPMD is total out-of-pocket medical expenditures with total drug costs estimated based on the length since the Respondent's reference period. RwOOPMDF and RwOOPMDOF indicate whether RwOOPMD and RwOOPMDO are imputed. RwOOPMDO and RwOOPMDOF are available beginning in Wave 10.

SwOOPMD, SwOOPMDF, SwOOPMDO and SwOOPMDOF contain this information for the Respondent's spouse or partner.

Beginning with the RAND HRS Longitudinal File 2014 (V2), we no longer provide the total out-of-pocket medical expenditure variables (RwOOPMD, SwOOPMD) and any related variables for Waves 1 and 2H. Early waves interviews did not query the relevant questions on out-of-pocket medical expenditures and the derived variables were based on cross-wave imputations with limited information.

In Wave 2A, only the Financial Respondent is asked about out-of-pocket expenses in two categories: (1) nursing home costs and (2) all other costs. We impute both of these at the household level, and then allocate the expense to individuals.

The household level imputed values are included (H2OOPMD), along with the individual level out-of-pocket expenses (R2OOPMD). Also, we include an additional variable for total household level out-of-pocket medical expenses (H2OOPMA) that includes all expenses, not just those for which utilization is explicitly asked, i.e., to impute using ownership=1 for all households, regardless of utilization and insurance coverage. H2OOPMD and H2OOPMA and their imputation flags are set to .Q for Wave 2H.

All components of RwOOPMD and RwOOPMDO are imputed separately and summed and are available on the RAND HRS Detailed Imputation File.

Prescription drugs are reported as a monthly amount and multiplied by the number of months since the last interview or 24 months for new interviews before being added to RwOOPMD and RwOOPMDO to match the totals collected for other OOP partial

components. Information about the date of the last interview was taken from the preloads, since this is what interviewers used when asking the questions about health care utilization and medical expenditures. Please see the documentation for RwFLIWREF and RwLIWREFM for more information.

In Waves 3, 4 and 5, the components of RwOOPMD are (1) hospital and nursing home costs; (2) doctor, dentist and outpatient surgery costs; (3) average monthly prescription drug costs; and (4) home health care and special facilities or services costs.

Beginning in Wave 6, the components of RwOOPMD are (1) hospital costs; (2) nursing home costs; (3) doctor visits costs; (4) dentist costs; (5) outpatient surgery costs; (6) average monthly prescription drug costs; (7) home health care costs; and (8) special facilities costs.

Beginning in Wave 10, RwOOPMDO contains all of the components included in RwOOPMD, plus out-of-pocket costs from a ninth, catch-all "other" category.

In Wave 8 only, Respondents are asked different questions about out-of-pocket prescription drug costs depending on whether or not they have enrolled in Medicare Part D. The variable R8PARTD contains the flag for Medicare Part D status and has the following values: 0 = No Part D, 1 = Part D but no change, and 2 = Part D and change in use or cost. The variable R8MDRUG can be found in the RAND HRS Detailed Imputations File.

In Wave 2A, the S2OOPMD, S2OOPMDF variables are taken from spouses' or household level response. For all other waves, the spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3OOPMD is taken from the Wave 3 spouse's R3OOPMD.

Beginning with the RAND HRS Longitudinal File 2014 (V2), we reintroduce the variables that contain the continuous amounts for total medical expenditures, including that paid by insurance (R3TOTMD), for Wave 3H, variables that were present in the RAND HRS Longitudinal File prior to Version M. R3TOTMDF indicates whether R3TOTMD is imputed. For Wave 3A, these variables are set to .Q.

Also beginning with the RAND HRS Longitudinal File 2014 (V2), we drop the variables that contain the reported bracket information for total medical expenditures, including that paid by insurance (RwTOTMB, SwTOTMB), for Waves 3 to 6. Interested users can obtain this information by merging the RAND HRS Longitudinal File with the RAND HRS Fat File for a given wave by HHIDPN. The RAND HRS Fat Files contain most of the original HRS variables, with household data merged to the Respondent level.

RwTOTMBI and RwTOTMBF are available from Waves 3 to 6. RwTOTMBI provides the estimated bracket for total medical expenditures, including that paid by insurance. This information is obtained from unfolding bracket questions, except if a continuous amount is given in Wave 3H, and complete brackets are imputed when incomplete bracket information is provided. RwTOTMBF indicates whether RwTOTMBI is imputed.

S3TOTMD, S3TOTMDF, SwTOTMBI and SwTOTMBF contain this information for the Respondent's spouse or partner.

A number of covariates are used in the imputations including health insurance as derived for this file (RwHIGOV, RwCOVR, RwCOVS, RwHIOTHP). Please see the section titled "Health Care Utilization and Medical Expenditures" earlier in this document for a description of the imputation method.

Exit Interview Variables

REOOPMD and REOOPMDO are total out-of-pocket medical expenditures between the last interview and time of death. REOOPMDF and REOOPMDOF indicate whether REOOPMD and REOOPMDO are imputed. For Respondents whose Exit Interview was conducted in Wave 2H, all medical expenditure variables are set to .Q, since there is limited information for this wave.

All components of REOOPMD and REOOPMDO are imputed separately and summed. Individual medical expenditure components and imputation flags are available in the RAND HRS Detailed Imputations File.

Prescription drugs, which are reported as a monthly amount, are multiplied by months between last interview and death. Information

about the date of the last interview was taken from the preloads, since this is what interviewers used when asking the questions about health care utilization and medical expenditures. Therefore, months between last interview and death is occasionally different from the RADTIMTDTH variable. If the preloads are missing, the value is multiplied by 24 (for 2 years, consistent with what proxies are asked with missing preloads). If the months between last interview and death are less than or equal to 0, the value is multiplied by 1 (for one month).

For Exit Interviews conducted in Waves 3, 4 and 5, the components of REOOPMD are (1) hospital and nursing home costs; (2) doctor visit costs; (3) average monthly prescription drug costs; (4) home health care and special facilities or services costs; and (5) hospice costs.

For Exit Interviews conducted from Wave 6 to Wave 9, the components of REOOPMD are (1) hospital costs; (2) nursing home costs; (3) doctor visits costs; (4) average monthly prescription drug costs; (5) home health care costs; (6) special facilities costs; and (7) hospice costs.

For Exit Interviews conducted from Wave 10 forward, the components of REOOPMD are (1) hospital costs; (2) nursing home costs; (3) doctor visits costs; (4) dentist costs; (5) outpatient surgery costs; (6) average monthly prescription drug costs; (7) home health care costs; (8) special facilities costs; and (9) hospice costs.

Note that for Exit Interviews conducted in Wave 11 and before, hospice costs include facility-based hospice costs only. For Exit Interviews conducted from Wave 12 forward, hospice costs include all forms of hospice care, including facility-based care and hospice care at home.

REOOPMDO contains all of the components included in REOOPMD, plus out-of-pocket costs from a catch-all "other" category.

Core and Exit Differences

For total out-of-pocket medical expenditures, there are several differences to note between the Core and Exit variables: (1) for Respondents whose Exit Interview was conducted in Wave 2H, all medical expenditure variables are set to .Q, since there is limited information for this wave; (2) the Exit variables include hospice care, while the Core variables do not (please note the cross-wave differences in the definition of hospice care for the Exit variables); (3) the catch-all "other" category is present in all waves (from Wave 3 forward) of the Exit variables; (4) dentist costs and outpatient surgery costs are not asked until Wave 10 of the Exit Interview; (5) the reference period for the Exit variables is the number of months between the last interview and death, compared to "since the last interview" for the Core variables; and (6) we do not create Exit Interview equivalents of the Core total medical expenditures variables (R3TOTMD/S3TOTMD, R3TOTMDF/S3TOTMDF, RwTOTMBI/SwTOTMBI, RwTOTMBF/SwTOTMBF).

Cross Wave Differences in Original HRS Data

Core Interview Variables

In Wave 2A, all Respondents are asked about medical utilization in the last 12 months, and separate questions about out-of-pocket costs for nursing home and all other out-of-pocket medical costs are asked only of the Financial Respondent.

From Wave 3 forward, medical utilization questions cover the last 2 years or the period since last interview. In Waves 3, 4 and 5, questions ask separately about out-of-pocket costs for four categories of services: (1) hospital/nursing home; (2) doctors/dentists/outpatient surgery; (3) prescription drugs per month; and (4) in-home medical care/special facilities.

From Wave 6 forward, questions on individual categories are asked separately. In Waves 6-9, questions are asked about eight categories of out-of-pocket medical costs: (1) hospital costs; (2) nursing home costs; (3) doctor visits costs; (4) dental costs; (5) outpatient surgery costs; (6) average monthly prescription drug costs; (7) home health care; and (8) special facilities costs.

From Wave 10 forward, a ninth category seeks to capture any additional out-of-pocket medical expenditures that cannot be assigned to any of the other categories. We include two estimates of out-of-pocket medical expenditures for these latest waves: RwOOPMD, which allows for longitudinal analysis, contains the eight components present in Waves 6-9, and RwOOPMDO, which includes the "other"

spending category in the estimate of total out-of-pocket medical expenditures.

In Waves 1 and 2, there are no questions about the total costs of all medical services.

In Wave 3H, Respondents are asked to estimate total medical costs for all medical services since the previous interview. If the Respondent does not provide an exact amount, unfolding bracket follow-up questions are asked. In Wave 3A and from Waves 4 to 6, an exact amount of total expenditures is not asked; all Respondents are directed into unfolding bracket questions.

Unlike from Wave 4 forward, where Respondents who answer the unfolding bracket questions are given the option of saying that the amount was "about" equal to a certain value, there is no such option in Wave 3. In Wave 3A, the unfolding bracket questions ask, "Do you think the total costs were more than $5,000?" and follow up with ascending or descending amounts based on the answer. In Wave 3H, however, the unfolding bracket questions ask, "Did it amount to $5,000 or more?" Therefore, for Wave 3A, the bracket "0 to 1000-" means "0 to 1000," the bracket "1001 to 5000-" means "1001 to 5000," and so on. For Wave 3H, the bracket "0 to 1000-" means "0 to 999," the bracket "1001 to 5000-" means "1000 to 4999," and so on.

From Wave 7 forward, there are no questions about total medical expenditures.

In Wave 8 only, Respondents are asked different questions about out-of-pocket prescription drug costs depending on whether or not they have enrolled in Medicare Part D. For those whose prescription drug use and cost are unaffected by Medicare Part D, the reported or imputed monthly average is multiplied by 24 months to estimate drug costs for the last two years. For those enrolled, two questions ask if their use or costs of prescription drugs changed. If the answer to either of these questions is "yes,", then Respondents report two average monthly out-of-pocket amounts: one for the 12 months prior to coverage under Part D and another for the 12 months after. Total prescription drug costs for the last two years in Wave 8 is, then, calculated as:

R8MDRUG = [# Months post-Part D * expenses post-Part D] + [(24 - # Months post-Part D) * expenses pre-Part D]

The variable R8PARTD contains the flag for Medicare Part D status, and has the following values: 0 = No Part D, 1 = Part D but no change, and 2 = Part D and change in use or cost. The variable R8MDRUG can be found in the RAND HRS Detailed Imputations File.

Beginning with Tracker 2004 V1 (Wave 7), HRS has implemented a verified nursing home residence flag for each wave, xNURSHM, e.g., GNURSHM for Wave 5 (2000). From Wave 5 forward, there are cases at each interview where this information conflicts with nursing home residency reported in the core data cover sheet section. In the questions about nursing home utilization, a cover-sheet reporting a nursing home resident is assigned as "Yes" for any nursing home stays by default. In some cases where Tracker indicates residence is NOT a nursing home, the interviewer overwrites this with a "No" for any nursing home stays, but in many cases, this does not occur. We examine these cases for length of stay, residency move-in date, and missing answers to estimate whether there is any nursing home utilization besides the residency reported in the core data, which HRS has determined is NOT a nursing home. Please see "Medical Care Utilization: Nursing Home" for more details on how these items are assessed.

Exit Interview Variables

For Respondents whose Exit Interview was conducted in Wave 2H, all medical expenditure variables are set to .Q, since there is limited information for this wave.

From Wave 3 forward, medical utilization questions cover the period between the last interview and time of death.

For Exit Interviews conducted in Waves 3, 4 and 5, questions ask separately about out-of-pocket costs for the following categories of service: (1) hospital and nursing home costs; (2) doctor visit costs; (3) average monthly prescription drug costs; (4) home health care and special facilities or services costs; (5) hospice costs; and (6) other out-of-pocket medical expenditure costs.

For Exit Interviews conducted from Wave 6 to Wave 9, questions ask separately about out-of-pocket costs for the following categories of service: (1) hospital costs; (2) nursing home costs; (3) doctor visits costs; (4) average monthly prescription drug costs; (5) home health care costs; (6) special facilities costs; (7) hospice costs and (8) other out-of-pocket medical expenditure costs.

For Exit Interviews conducted in Wave 10 forward, questions ask separately about out-of-pocket costs for the following categories of service: (1) hospital costs; (2) nursing home costs; (3) doctor visits costs; (4) dentist costs; (5) outpatient surgery costs; (6) average monthly prescription drug costs; (7) home health care costs; (8) special facilities costs; (9) hospice costs, and (10) other out-of-pocket medical expenditure costs.

Note that for Exit Interviews conducted in Wave 11 and before, hospice costs include facility-based hospice costs only. For Exit Interviews conducted from Wave 12 forward, hospice costs include all forms of hospice care, including facility-based care and hospice care at home.

HRS Variables Used

Core Interview Variables

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AHEAD 1993:
    B150            A11. R'S MARITAL STATUS
    B605R           E1. R IN HOSPITAL LAST 12 MOS
    B610            E4. HOSPITAL $ NOT COVERED BY INS
    B622            E5. R/SP IN NURSING HOME LAST 12 MOS
    B627            E8. NURSING HOME $ NOT COVERED BY INS
    B628            E9. R/SP PAY ANY NONCOVERED NURSE HOME $
    B629            E10. $ R/SP PAY NURSING HOME
    B629C           CATEG: E10. $ R/SP PAY NURSING HOME
    B640            E12. #TIMES R TALK TO DOCTOR LAST 12 MOS
    B642            E13. R/SP DOCTOR FEE NOT COVERED BY INS
    B654R           E14. R OUTPATIENT SURGERY LAST 12 MOS
    B657            E16. R/SP OUTPT SURG $ NOT COVER BY INS
    B669R           E17. R DENTIST LAST 12 MOS
    B672            E18. R/SP DENTIST $ NOT COVER BY INS
    B685R           E20. R TAKEN MEDS LAST 12 MOS
    B689            E21. R/SP MEDS NOT COVERED LAST 12 MOS
    B701            E22. R/SP IN-HOME MED SERV NOT COVERED
    B703            E23. R/SP IN-HOME NOT COVER LAST 12 MOS
    B715            E24. R/SP USE OTHER SERVICE LAST 12 MOS
    B740            E26. $ R/SP PAY ANY MED EXP LAST 12 MOS
    BP605R          E1.R IN HOSPITAL LAST 12 MOS/Sp-P IndRpt
    BP640           E12.#TIMES TALK TO DOCTOR LAST 12 MOS/Sp
    BP654R          E14.R O/P SURG LAST 12 MOS/Sp IndRpt
    BP669R          E17.R DENTIST LAST 12 MOS/Sp-P IndRpt
    BP685R          E20.R TAKEN MEDS LAST 12 MOS/Sp-P IndRpt
AHEAD 1995:
    D1664           E1. HOSPITAL
    D1669           E4. HOSP $ NOT COV
    D1681           E5. NURSING HOME
    D1686           E8.NURHM NOT COV
    D1688           E10. NURHM OR HOSP R PAY $
    D1689           E10A. NURHM OR HOSP DK-1
    D1690           E10B. NURHM OR HOSP DK-2
    D1691           E10C. NURHM OR HOSP DK-3
    D1692           E10D. NURHM OR HOSP DK-4
    D1693           E10E. NURHM OR HOSP DK-5
    D1698           E11. DR TIMES
    D1701           E13.DR, NOT COV
    D1713           E14. OUTPATIENT SURGERY
    D1716           E16. OUTSURG, NOT COV
    D1728           E17. DENTIST
    D1731           E18. DENTIST, NOT COV
    D1732           E18A.DOCTOR/OUT/DENTAL R PAY $
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    D1733           E18B.DR/OUT/DENTAL DK-1
    D1734           E18C.DR/OUT/DENTAL DK-2
    D1735           E18D.DR/OUT/DENTAL DK-3
    D1736           E18E.DR/OUT/DENTAL DK-4
    D1737           E18F.DR/OUT/DENTAL DK-5
    D1744           E20. DRUGS
    D1748           E21. DRUGS, NOT COV
    D1749           E21A.PRESCR R PAY $
    D1750           E21B.PRESCR DK-1
    D1751           E21C.PRESCR DK-2
    D1752           E21D.PRESCR DK-3
    D1753           E21E.PRESCR DK-4
    D1754           E21F.PRESCR DK-5
    D1760           E22.IN-HOME SERV
    D1762           E23. IN-HOME R PAY $
    D1774           E24.R USE SERVICE
    D1781           E24A.SPECIAL R PAY $
    D1782           E24B.SPECIAL DK-1
    D1783           E24C.SPECIAL DK-2
    D1784           E24D.SPECIAL DK-3
    D1785           E24E.SPECIAL DK-4
    D1786           E24F.SPECIAL DK-5
    D1799           E26.TOTAL COST MEDICAL
    D1800           E26A.TOTAL MEDICAL DK-1
    D1801           E26B.TOTAL MEDICAL DK-2
    D1802           E26C.TOTAL MEDICAL DK-3
    D1803           E26D.TOTAL MEDICAL DK-4
    D240            CS11.R-WHERE LIVE
HRS 1996:
    E1770           E1. HOSPITAL-YR
    E1775           E4. HOSP $ NOT COV
    E1776           E5. NURSING HOME-YR
    E1781           E8.NURHM NOT COV
    E1783           E10. NURHM OR HOSP R PAY $
    E1790           E11. DR TIMES
    E1793           E13.DR, NOT COV
    E1795           E14. OUTPATIENT SURGERY-YR
    E1798           E16. OUTSURG, NOT COV
    E1800           E17.DENTIST-YR
    E1803           E18. DENTIST, NOT COV
    E1804           E18A.DOCTOR/OUT/DENTAL R PAY $
    E1811           E20. DRUGS-YR
    E1815           E21. DRUGS, NOT COV
    E1816           E21A.PRESCR R PAY $
    E1827           E22.IN-HOME SERV
    E1829           E23. IN-HOME R PAY $
    E1831           E24.R USE SERVICE
    E1834           E24A.SPECIAL R PAY $
    E1841           E26.TOTAL COST MEDICAL
    E1842           E26A.TOTAL MEDICAL $ DK-5K
    E1843           E26B.TOTAL MEDICAL $ DK-1K
    E1844           E26C.TOTAL MEDICAL $ DK-25K
    E1845           E26D.TOTAL MEDICAL $ DK-100K
    E1846           E26E.TOTAL MEDICAL $ DK-500K
    E240            CS11.R-WHERE LIVE
HRS 1998:
    F2295           E1. HOSPITAL-YR
    F2298           E4. HOSP $ NOT COV
    F2299           E5. NURSING HOME-YR
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    F2304           E8.NURHM NOT COV
    F2305           E10. NURHM OR HOSP R PAY $
    F2306           E10A. NURHM OR HOSP DK-1
    F2307           E10B. NURHM OR HOSP DK-2
    F2308           E10C. NURHM OR HOSP DK-3
    F2309           E10B1. NURHM OR HOSP DK-2
    F2310           E10B1. NURHM OR HOSP DK-2
    F2311           E10D. NURHM OR HOSP DK-4
    F2312           E10E. NURHM OR HOSP DK-5
    F2331           E11. DR TIMES
    F2332           E13.DR, NOT COV
    F2333           E14. OUTPATIENT SURGERY-YR
    F2334           E16. OUTSURG, NOT COV
    F2335           E17.DENTIST-YR
    F2336           E18. DENTIST, NOT COV
    F2337           E18A.DOCTOR/OUT/DENTAL R PAY $
    F2338           E18B.DR/OUT/DENTAL DK-1
    F2339           E18C.DR/OUT/DENTAL DK-2
    F2340           E18D.DR/OUT/DENTAL DK-3
    F2341           E18E.DR/OUT/DENTAL DK-4
    F2342           E18C1.DR/OUT/DENTAL DK-2
    F2343           E18F.DR/OUT/DENTAL DK-4
    F2344           E18G.DR/OUT/DENTAL DK-5
    F2345           E20. DRUGS-YR
    F2346           E21. DRUGS, NOT COV
    F2347           E21A.PRESCR R PAY $
    F2348           E21B.PRESCR DK-1
    F2349           E21C.PRESCR DK-2
    F2350           E21D.PRESCR DK-3
    F2351           E21E.PRESCR DK-4
    F2352           E21B1.PRESCR DK-2
    F2353           E21E.PRESCR DK-4
    F2354           E21F.PRESCR DK-5
    F2357           E22.IN-HOME SERV
    F2359           E23. IN-HOME R PAY $
    F2361           E24.R USE SERVICE
    F2364           E24A.SPECIAL R PAY $
    F2365           E24B.SPECIAL DK-1
    F2366           E24C.SPECIAL DK-2
    F2367           E24D.SPECIAL DK-3
    F2368           E24E.SPECIAL DK-4
    F2369           E24F.SPECIAL DK-5
    F2383           E26.TOTAL COST MEDICAL-5K
    F2384           E26A.TOTAL MEDICAL COSTS-2ND
    F2385           E26B.TOTAL MEDICAL COSTS-3RD
    F2386           E26C.TOTAL MEDICAL COSTS-4TH
    F2387           E26D.TOTAL MEDICAL COSTS-5TH
    F517            CS11.R IN NURSING HOME
HRS 2000:
    G2567           E1. HOSPITAL-YR
    G2570           E4. HOSP $ NOT COV
    G2571           E5. NURSING HOME-YR
    G2572           E6. NURHM # TIMES
    G2573           E7. NURHM-1 NIGHTS
    G2574           E7A.NURHM-1 MONTHS
    G2576           E8.NURHM NOT COV
    G2577           E10. NURHM OR HOSP R PAY $
    G2603           E11. DR TIMES
    G2604           E11A. DR 20 TIMES
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    G2605           E11B. DR 5 TIMES
    G2606           E11C. DR ANY TIME
    G2607           E11D. DR 50 TIMES
    G2610           E14. OUTPATIENT SURGERY-YR
    G2612           E17.DENTIST-YR
    G2622           E20. DRUGS-YR
    G2634           E22.IN-HOME SERV
    G2638           E24.R USE SERVICE
    G2660           E26.TOTAL COST MEDICAL-5K
    G2661           E26A.TOTAL MEDICAL COSTS-2ND
    G2683           E26B.TOTAL MEDICAL COSTS-3RD
    G2684           E26C.TOTAL MEDICAL COSTS-4TH
    G2685           E26D.TOTAL MEDICAL COSTS-5TH
    G558            CS11.R IN NURSING HOME
    G789            CS25.MONTH MOVED TO NURS HOME
    G790            CS25A. YEAR MOVED TO NURS HOME
HRS 2002:
    HA065           MONTH MOVED TO NH
    HA066           YEAR MOVED TO NURS HOME
    HN147           # TIMES SEEN DR- PREV IW/2 YRS
    HN222           TOTAL MEDICAL COSTS - MIN
    HN223           TOTAL MEDICAL COSTS - MAX
HRS 2002-2012:
    xN102           HOSPITAL STAYS COVERED BY INS
    xN118           NH COSTS COVERED BY INSURANCE
    xN135           OUTPATIENT SURG COSTS COVERED BY HI
    xN152           DOCTOR VISITS COVERED BY INSURANCE
    xN165           DENTAL COSTS COVERED BY INSURANCE
    xN175           TAKE PRESCRIPTION DRUGS REGULARLY
    xN176           DRUG COSTS COVERED BY INSURANCE
    xN190           HOME HEALTH SERVICE COST COVERED BY INS
HRS 2002-2022:
    xA028           R IN NURSING HOME
    xN099           OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
    xN106           AMT PAID O-O-P HOSPITAL COSTS
    xN107           AMT PAID O-O-P HOSPITAL COSTS - MIN
    xN108           AMT PAID O-O-P HOSPITAL COSTS - MAX
    xN114           EVER PATIENT OVERNIGHT IN NURSING HOME
    xN115           # TIMES SPENT OVERNIGHT IN NURSING HOME
    xN116           NUM NIGHTS R SPENT OVERNIGHT IN NH
    xN117           NUM MOS R SPENT OVERNIGHT IN NH
    xN119           AMT PAID O-O-P NURSING HOME
    xN120           AMT PAID O-O-P NURSING HOME- MIN
    xN121           AMT PAID O-O-P NURSING HOME- MAX
    xN134           OUTPATIENT SURGERY- PREV IW/2 YRS
    xN139           AMT PAID O-O-P OUTPAT SURGERY
    xN140           AMT PAID O-O-P OUTPAT SURGERY - MIN
    xN141           AMT PAID O-O-P OUTPAT SURGERY - MAX
    xN148           NUMBER TIMES SEEN DOCTOR 20X
    xN149           NUMBER TIMES SEEN DOCTOR 5X
    xN150           HAS R SOUGHT DOC ADVICE IN PAST 2 YRS
    xN151           R SEEK DOC ADVICE 50X
    xN156           AMT PAY O-O-P FOR DOC VISITS
    xN157           AMT PAY O-O-P FOR DOC VISITS - MIN
    xN158           AMT PAY O-O-P FOR DOC VISITS - MAX
    xN164           SEEN DENTIST SINCE PREV IW/2YRS
    xN168           AMT PAY O-O-P DENTAL
    xN169           AMT PAY O-O-P DENTAL - MIN
    xN170           AMT PAY O-O-P DENTAL - MAX
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    xN180           AMT PAY O-O-P RX DRUGS PER MONTH
    xN181           AMT PAY O-O-P RX DRUGS PER MONTH- MIN
    xN182           AMT PAY O-O-P RX DRUGS PER MONTH- MAX
    xN189           USED HOME HEALTH SVC- PREV IW/2 YRS
    xN194           AMT PAY O-O-P HOME HEALTH SVC
    xN195           AMT PAY O-O-P HOME HEALTH SVC - MIN
    xN196           AMT PAY O-O-P HOME HEALTH SVC - MAX
    xN202           USED OTHER HEALTH SVC- PREV IW/2 YRS
    xN203           OTHER HEALTH SVC PAID BY R/SP/P
    xN239           AMT PAY O-O-P OTHER HEALTH SERVICE
    xN246           AMT PAY O-O-P OTHER HEALTH SERVICE- MIN
    xN247           AMT PAY O-O-P OTHER HEALTH SERVICE- MAX
HRS 2010-2022:
    xN332           EX OTHER MEDICAL EXPENSES
    xN333           EX PAY O-O-P OTHER MEDICAL
    xN334           AMT PAY O-O-P OTHER MEDICAL - MIN
    xN335           AMT PAY O-O-P OTHER MEDICAL - MAX
HRS 2014-2022:
    xN433_1         INSURANCE PAY ANY -  -1
    xN433_2         INSURANCE PAY ANY -  -2
    xN433_3         INSURANCE PAY ANY -  -3
    xN433_4         INSURANCE PAY ANY -  -4
    xN433_5         INSURANCE PAY ANY -  -5
    xN433_6         INSURANCE PAY ANY -  -6
    xN433_7         INSURANCE PAY ANY -  -7
    xN434_1         INSURANCE PAY ALL -  -1
    xN434_2         INSURANCE PAY ALL -  -2
    xN434_3         INSURANCE PAY ALL -  -3
    xN434_4         INSURANCE PAY ALL -  -4
    xN434_5         INSURANCE PAY ALL -  -5
    xN434_6         INSURANCE PAY ALL -  -6
    xN434_7         INSURANCE PAY ALL -  -7
    xN435_2         INSURANCE PAY HALF -  -2
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Exit Interview Variables

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AHEAD 1995:
    N1664           E1.HOSPITAL-YR
    N1672           E4.HOSP $ NOT COV
    N1681           E5.NURSING HOME-YR
    N1686           E8.NURHM NOT COV
    N1688           E10.NURHM OR HOSP R PAY $
    N1689           E10a.NURHM OR HOSP DK-1
    N1690           E10b.NURHM OR HOSP DK-2
    N1691           E10c.NURHM OR HOSP DK-3
    N1692           E10d.NURHM OR HOSP DK-4
    N1693           E10e.NURHM OR HOSP DK-5
    N1699           Ex10g.HOSPICE-YR
    N1702           Ex10k.HOSPICE NOT COV
    N1703           Ex10m.HOSPICE R PAY $
    N1704           Ex10n.HOSPICE DK-1
    N1705           Ex10p.HOSPICE DK-2
    N1706           Ex10q.HOSPICE DK-3
    N1707           Ex10r.HOSPICE DK-4
    N1708           Ex10s.HOSPICE DK-5
    N1709           E11.DR TIMES
    N1712           E13.DR, NOT COV
    N1732           E18a.DOCTOR/OUT/DENTAL R PAY $
    N1733           E18b.DK-1
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    N1734           E18c.DK-2
    N1735           E18d.DK-3
    N1736           E18e.DK-4
    N1737           E18f.DK-5
    N1744           E20.DRUGS-YR
    N1748           E21.DRUGS, NOT COV
    N1749           E21a.PRESCR R PAY $
    N1750           E21b.PRESCR DK-1
    N1751           E21c.PRESCR DK-2
    N1752           E21d.PRESCR DK-3
    N1753           E21e.PRESCR DK-4
    N1754           E21f.PRESCR DK-5
    N1760           E22.IN-HOME SERV
    N1762           E23.IN-HOME R PAY $
    N1774           E24.R USE SERVICE
    N1781           E24a.SPECIAL R PAY $
    N1782           E24b.SPECIAL DK-1
    N1783           E24c.SPECIAL DK-2
    N1784           E24d.SPECIAL DK-3
    N1785           E24e.SPECIAL DK-4
    N1786           E24f.SPECIAL DK-5
    N1791           E25x.OTHER OUT-OF-POCKET
    N1792           E25ax.OTHER R PAY $
    N1793           E25bx.OTHER DK-1
    N1794           E25cx.OTHER DK-2
    N1795           E25dx.OTHER DK-3
    N1796           E25ex.OTHER DK-4
    N1797           E25fx.OTHER DK-5
    N226            CS2cx.PLACE OF DEATH
HRS 1996:
    P1245           E1. HOSPITAL-YR
    P1253           E4. HOSP $ NOT COV
    P1262           E5. NURSING HOME-YR
    P1267           E8.NURHM NOT COV
    P1269           E10. NURHM OR HOSP R PAY $
    P1270           E10a. NURHM OR HOSP DK-1
    P1271           E10b. NURHM OR HOSP DK-2
    P1272           E10c. NURHM OR HOSP DK-3
    P1273           E10d. NURHM OR HOSP DK-4
    P1274           E10e. NURHM OR HOSP DK-5
    P1280           Ex10g.HOSPICE-YR
    P1283           Ex10k.HOSPICE NOT COV
    P1284           Ex10m.HOSPICE R PAY $
    P1285           Ex10n.HOSPICE DK-1
    P1286           Ex10p.HOSPICE DK-2
    P1287           Ex10q.HOSPICE DK-3
    P1288           Ex10r.HOSPICE DK-4
    P1289           Ex10s.HOSPICE DK-5
    P1290           E11. DR TIMES
    P1293           E13.DR, NOT COV
    P1313           E18a.DOCTOR/OUT/DENTAL R PAY $
    P1314           E18b. DK-1
    P1315           E18c. DK-2
    P1316           E18d. DK-3
    P1317           E18e. DK-4
    P1318           E18f. DK-5
    P1325           E20. DRUGS-YR
    P1329           E21. DRUGS, NOT COV
    P1330           E21a.PRESCR R PAY $
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    P1331           E21b.PRESCR DK-1
    P1332           E21c.PRESCR DK-2
    P1333           E21d.PRESCR DK-3
    P1334           E21e.PRESCR DK-4
    P1335           E21f.PRESCR DK-5
    P1341           E22.IN-HOME SERV
    P1343           E23. IN-HOME R PAY $
    P1355           E24.R USE SERVICE
    P1362           E24a.SPECIAL R PAY $
    P1363           E24b.SPECIAL DK-1
    P1364           E24c.SPECIAL DK-2
    P1365           E24d.SPECIAL DK-3
    P1366           E24e.SPECIAL DK-4
    P1367           E24f.SPECIAL DK-5
    P1372           E25x.OTHER OUT-OF-POCKET
    P1373           E25ax.OTHER R PAY $
    P1374           E25bx.OTHER DK-1
    P1375           E25cx.OTHER DK-2
    P1376           E25dx.OTHER DK-3
    P1377           E25ex.OTHER DK-4
    P1378           E25fx.OTHER DK-5
    P226            CS2cx.PLACE OF DEATH
HRS 1998:
    Q1728           E1. HOSPITAL-YR
    Q1735           E4. HOSP $ NOT COV
    Q1743           E5. NURSING HOME-YR
    Q1748           E8.NURHM NOT COV
    Q1749           E10. NURHM OR HOSP R PAY $
    Q1750           E10a. NURHM OR HOSP DK-1
    Q1751           E10b. NURHM OR HOSP DK-2
    Q1752           E10c. NURHM OR HOSP DK-3
    Q1753           E10b1. NURHM OR HOSP DK-4
    Q1754           E10b1. NURHM OR HOSP DK-5
    Q1755           E10d. NURHM OR HOSP DK-6
    Q1756           E10e. NURHM OR HOSP DK-7
    Q1764           Ex10g.HOSPICE STAY - NOT FINAL
    Q1769           Ex10k.HOSPICE NOT COV
    Q1770           Ex10m. HOSPICE R PAY $
    Q1771           Ex10n. HOSPICE DK-1
    Q1772           Ex10p. HOSPICE DK-2
    Q1773           Ex10q. HOSPICE DK-3
    Q1774           Ex10r. HOSPICE DK-4
    Q1775           Ex10s. HOSPICE DK-5
    Q1776           Ex10t. HOSPICE DK-6
    Q1777           Ex10u. HOSPICE DK-7
    Q1778           E11. DR TIMES
    Q1779           E13.DR, NOT COV
    Q1784           E18a.DOCTOR R PAY $
    Q1785           E18b.DR/OUT/DENTAL DK-1
    Q1786           E18c.DR/OUT/DENTAL DK-2
    Q1787           E18d.DR/OUT/DENTAL DK-3
    Q1788           E18e.DR/OUT/DENTAL DK-4
    Q1789           E18c1. DR/OUT/DENTAL DK-5
    Q1790           E18f. DR/OUT/DENTAL DK-6
    Q1791           E18g. DR/OUT/DENTAL DK-7
    Q1792           E20. DRUGS-YR
    Q1793           E21. DRUGS, NOT COV
    Q1794           E21a.PRESCR R PAY $
    Q1795           E21b.PRESCR DK-1
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    Q1796           E21c.PRESCR DK-2
    Q1797           E21d.PRESCR DK-3
    Q1798           E21e.PRESCR DK-4
    Q1799           E21b1. PRESCR DK-5
    Q1800           E21e. PRESCR DK-6
    Q1801           E21f. PRESCR DK-7
    Q1804           E22.IN-HOME SERV
    Q1806           E23. IN-HOME R PAY $
    Q1808           E24.R USE SERVICE
    Q1811           E24a.SPECIAL R PAY $
    Q1812           E24b.SPECIAL DK-1
    Q1813           E24c.SPECIAL DK-2
    Q1814           E24d.SPECIAL DK-3
    Q1815           E24e.SPECIAL DK-4
    Q1816           E24f.SPECIAL DK-5
    Q1817           E25x.OTHER MEDICAL EXPENSES
    Q1818           E25ax.OTHER MEDICAL PAY $
    Q1819           E25bx.OTHER MEDICAL DK-1
    Q1820           E25cx.OTHER MEDICAL DK-2
    Q1821           E25dx.OTHER MEDICAL DK-3
    Q1822           E25ex.OTHER MEDICAL DK-4
    Q1823           E25fx.OTHER MEDICAL DK-5
    Q491            CS2cx.PLACE OF DEATH
HRS 2000:
    R1739           E1. HOSPITAL-YR
    R1746           E4. HOSP $ NOT COV
    R1754           E5. NURSING HOME-YR
    R1759           E8.NURHM NOT COV
    R1760           E10. NURHM OR HOSP R PAY $
    R1761           E10a. NURHM OR HOSP DK-1
    R1762           E10b. NURHM OR HOSP DK-2
    R1763           E10c. NURHM OR HOSP DK-3
    R1764           E10b1. NURHM OR HOSP DK-2
    R1765           E10Y1b1. NURHM OR HOSP DK-2
    R1766           E10d. NURHM OR HOSP DK-4
    R1767           E10e. NURHM OR HOSP DK-5
    R1775           Ex10g. HOSPICE-YR
    R1780           Ex10k.HOSPICE NOT COV
    R1781           Ex10m. HOSPICE R PAY $
    R1782           Ex10n. HOSPICE DK-1
    R1783           Ex10p. HOSPICE DK-2
    R1784           Ex10q. HOSPICE DK-3
    R1785           Ex10r. HOSPICE DK-2
    R1786           Ex10s. HOSPICE DK-2
    R1787           Ex10t. HOSPICE DK-4
    R1788           Ex10u. HOSPICE DK-5
    R1789           E11. DR TIMES
    R1795           E13.DR-NOT COVERED
    R1800           E18a.DOCTOR/OUT R PAY $
    R1801           E18b.DR/OUT DK-1
    R1802           E18c.DR/OUT DK-2
    R1803           E18d.DR/OUT DK-3
    R1804           E18e.DR/OUT DK-4
    R1805           E18c1.DR/OUT DK-2
    R1806           E18f.DR/OUT DK-4
    R1807           E18g.DR/OUT DK-5
    R1808           E20. DRUGS-YR
    R1809           E21. DRUGS-NOT COVERED
    R1810           E21a.PRESCR R PAY $
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    R1811           E21b.PRESCR DK-1
    R1812           E21c.PRESCR DK-2
    R1813           E21d.PRESCR DK-3
    R1814           E21e.PRESCR DK-4
    R1815           E21b1.PRESCR DK-2
    R1816           E21Y1e.PRESCR DK-4
    R1817           E21f.PRESCR DK-5
    R1820           E22.IN-HOME SERV
    R1822           E23. IN-HOME R PAY $
    R1824           E24.R USE SERVICE
    R1827           E24a.SPECIAL R PAY $
    R1828           E24b.SPECIAL DK-1
    R1829           E24c.SPECIAL DK-2
    R1830           E24d.SPECIAL DK-3
    R1831           E24e.SPECIAL DK-4
    R1832           E24f.SPECIAL DK-5
    R1834           E25x.OTHER MEDICAL EXPENSES
    R1835           E25ax.OTHER MEDICAL PAY $
    R1836           E25bx.OTHER MEDICAL DK-1
    R1837           E25cx.OTHER MEDICAL DK-2
    R1838           E25dx.OTHER MEDICAL DK-3
    R1839           E25ex.OTHER MEDICAL DK-4
    R1840           E25fx.OTHER MEDICAL DK-5
    R525            CS2cx.PLACE OF DEATH
HRS 2002:
    SA028           R IN NURSING HOME
HRS 2010:
    WA028           R IN NURSING HOME
HRS 2012:
    XA028           R IN NURSING HOME
HRS 2014:
    YA028           R IN NURSING HOME
HRS 2016:
    ZA028           R IN NURSING HOME
HRS 2018:
    XQA028          R IN NURSING HOME
HRS 2020:
    XRA028          R IN NURSING HOME
HRS 2022:
    XSA028          R IN NURSING HOME
HRS 2002-2012:
    xN102           HOSPITAL STAYS COVERED BY INS
    xN118           NH COSTS COVERED BY INSURANCE
    xN152           DOCTOR VISITS COVERED BY INSURANCE
    xN175           TAKE PRESCRIPTION DRUGS REGULARLY
    xN176           DRUG COSTS COVERED BY INSURANCE
    xN190           HOME HEALTH SERVICE COST COVERED BY INS
    xN320           SINCE LAST IW- HOSPICE PATIENT
    xN324           HOSPICE STAY COV BY INSURANCE
HRS 2002-2022:
    xA065           MONTH MOVED TO NH
    xA066           YEAR MOVED TO NURS HOME
    xA124           LOCATION OF DEATH
    xN099           OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
    xN106           AMT PAID O-O-P HOSPITAL COSTS
    xN107           AMT PAID O-O-P HOSPITAL COSTS - MIN
    xN108           AMT PAID O-O-P HOSPITAL COSTS - MAX
    xN114           EVER PATIENT OVERNIGHT IN NURSING HOME
    xN115           # TIMES SPENT OVERNIGHT IN NURSING HOME
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	xN116	NUM NIGHTS R SPENT OVERNIGHT IN NH
	xN117	NUM MOS R SPENT OVERNIGHT IN NH
	xN119	AMT PAID O-O-P NURSING HOME
	xN120	AMT PAID O-O-P NURSING HOME- MIN
	xN121	AMT PAID O-O-P NURSING HOME- MAX
	xN156	AMT PAY O-O-P FOR DOC VISITS
	xN157	AMT PAY O-O-P FOR DOC VISITS - MIN
	xN158	AMT PAY O-O-P FOR DOC VISITS - MAX
	xN180	AMT PAY O-O-P RX DRUGS PER MONTH
	xN181	AMT PAY O-O-P RX DRUGS PER MONTH- MIN
	xN182	AMT PAY O-O-P RX DRUGS PER MONTH- MAX
	xN194	AMT PAY O-O-P HOME HEALTH SVC
	xN195	AMT PAY O-O-P HOME HEALTH SVC - MIN
	xN196	AMT PAY O-O-P HOME HEALTH SVC - MAX
	xN202	USED OTHER HEALTH SVC- PREV IW/2 YRS
	xN203	OTHER HEALTH SVC PAID BY R/SP/P
	xN239	AMT PAY O-O-P OTHER HEALTH SERVICE
	xN246	AMT PAY O-O-P OTHER HEALTH SERVICE- MIN
	xN247	AMT PAY O-O-P OTHER HEALTH SERVICE- MAX
	xN328	OOP COSTS- HOSPICE- AMT
	xN329	OOP COSTS- HOSPICE- MIN
	xN330	OOP COSTS- HOSPICE- MAX
	xN332	OTHER OOP MEDICAL EXPENSES
	xN333	OTHER OOP COSTS- AMT
	xN334	OTHER OOP COSTS- MIN
	xN335	OTHER OOP COSTS- MAX
HRS 2004-2008:		
	xA167	R IN NURSING HOME
HRS 2010-2012:		
	xN135	OUTPATIENT SURG COSTS COVERED BY HI
	xN165	DENTAL COSTS COVERED BY INSURANCE
HRS 2010-2022:		
	xN139	AMT PAID O-O-P OUTPAT SURGERY
	xN140	AMT PAID O-O-P OUTPAT SURGERY - MIN
	xN141	AMT PAID O-O-P OUTPAT SURGERY - MAX
	xN168	AMT PAY O-O-P DENTAL
	xN169	AMT PAY O-O-P DENTAL - MIN
	xN170	AMT PAY O-O-P DENTAL - MAX
HRS 2014-2022:		
	xN433_1	INSURANCE PAY ANY - 1
	xN433_2	INSURANCE PAY ANY - 2
	xN433_3	INSURANCE PAY ANY - 3
	xN433_4	INSURANCE PAY ANY - 4
	xN433_5	INSURANCE PAY ANY - 5
	xN433_6	INSURANCE PAY ANY - 6
	xN433_7	INSURANCE PAY ANY - 7
	xN434_1	INSURANCE PAY ALL - 1
	xN434_2	INSURANCE PAY ALL - 2
	xN434_3	INSURANCE PAY ALL - 3
	xN434_4	INSURANCE PAY ALL - 4
	xN434_5	INSURANCE PAY ALL - 5
	xN434_6	INSURANCE PAY ALL - 6
	xN434_7	INSURANCE PAY ALL - 7
	xN435_2	INSURANCE PAY HALF - 2

Section D: Doctor Diagnosed Health Problems

Doctor diagnosed health problems: Raw Recodes and Question Wording

Wave	Variable	Label	Type
1	R1HIBP	R1HIBP:W1 R reports high BP this wv	Categ
2	R2HIBP	R2HIBP:W2 R reports high BP this wv	Categ
3	R3HIBP	R3HIBP:W3 R reports high BP this wv	Categ
4	R4HIBP	R4HIBP:W4 R reports high BP this wv	Categ
5	R5HIBP	R5HIBP:W5 R reports high BP this wv	Categ
6	R6HIBP	R6HIBP:W6 R reports high BP this wv	Categ
7	R7HIBP	R7HIBP:W7 R reports high BP this wv	Categ
8	R8HIBP	R8HIBP:W8 R reports high BP this wv	Categ
9	R9HIBP	R9HIBP:W9 R reports high BP this wv	Categ
10	R10HIBP	R10HIBP:W10 R reports high BP this wv	Categ
11	R11HIBP	R11HIBP:W11 R reports high BP this wv	Categ
12	R12HIBP	R12HIBP:W12 R reports high BP this wv	Categ
13	R13HIBP	R13HIBP:W13 R reports high BP this wv	Categ
14	R14HIBP	R14HIBP:W14 R reports high BP this wv	Categ
15	R15HIBP	R15HIBP:W15 R reports high BP this wv	Categ
16	R16HIBP	R16HIBP:W16 R reports high BP this wv	Categ
1	S1HIBP	S1HIBP:W1 S reports high BP this wv	Categ
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3	S3HIBP	S3HIBP:W3 S reports high BP this wv	Categ
4	S4HIBP	S4HIBP:W4 S reports high BP this wv	Categ
5	S5HIBP	S5HIBP:W5 S reports high BP this wv	Categ
6	S6HIBP	S6HIBP:W6 S reports high BP this wv	Categ
7	S7HIBP	S7HIBP:W7 S reports high BP this wv	Categ
8	S8HIBP	S8HIBP:W8 S reports high BP this wv	Categ
9	S9HIBP	S9HIBP:W9 S reports high BP this wv	Categ
10	S10HIBP	S10HIBP:W10 S reports high BP this wv	Categ
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12	S12HIBP	S12HIBP:W12 S reports high BP this wv	Categ
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14	S14HIBP	S14HIBP:W14 S reports high BP this wv	Categ
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16	S16HIBP	S16HIBP:W16 S reports high BP this wv	Categ
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3	R3HIBPQ	R3HIBPQ:W3 Q-wording high BP this wv	Categ
4	R4HIBPQ	R4HIBPQ:W4 Q-wording high BP this wv	Categ
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6	R6HIBPQ	R6HIBPQ:W6 Q-wording high BP this wv	Categ
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8	R8HIBPQ	R8HIBPQ:W8 Q-wording high BP this wv	Categ
9	R9HIBPQ	R9HIBPQ:W9 Q-wording high BP this wv	Categ
10	R10HIBPQ	R10HIBPQ:W10 Q-wording high BP this wv	Categ
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12	R12HIBPQ	R12HIBPQ:W12 Q-wording high BP this wv	Categ
13	R13HIBPQ	R13HIBPQ:W13 Q-wording high BP this wv	Categ
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16	R16HIBPQ	R16HIBPQ:W16 Q-wording high BP this wv	Categ
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4	S4HIBPQ	S4HIBPQ:W4 Q-wording high BP this wv	Categ
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7	S7HIBPQ	S7HIBPQ:W7 Q-wording high BP this wv	Categ
8	S8HIBPQ	S8HIBPQ:W8 Q-wording high BP this wv	Categ
9	S9HIBPQ	S9HIBPQ:W9 Q-wording high BP this wv	Categ
10	S10HIBPQ	S10HIBPQ:W10 Q-wording high BP this wv	Categ
11	S11HIBPQ	S11HIBPQ:W11 Q-wording high BP this wv	Categ
12	S12HIBPQ	S12HIBPQ:W12 Q-wording high BP this wv	Categ
13	S13HIBPQ	S13HIBPQ:W13 Q-wording high BP this wv	Categ
14	S14HIBPQ	S14HIBPQ:W14 Q-wording high BP this wv	Categ
15	S15HIBPQ	S15HIBPQ:W15 Q-wording high BP this wv	Categ

16	S16HIBPQ	S16HIBPQ:W16 Q-wording high BP this wv	Categ
1	R1DIAB	R1DIAB:W1 R reports diabetes this wv	Categ
2	R2DIAB	R2DIAB:W2 R reports diabetes this wv	Categ
3	R3DIAB	R3DIAB:W3 R reports diabetes this wv	Categ
4	R4DIAB	R4DIAB:W4 R reports diabetes this wv	Categ
5	R5DIAB	R5DIAB:W5 R reports diabetes this wv	Categ
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10	R10DIAB	R10DIAB:W10 R reports diabetes this wv	Categ
11	R11DIAB	R11DIAB:W11 R reports diabetes this wv	Categ
12	R12DIAB	R12DIAB:W12 R reports diabetes this wv	Categ
13	R13DIAB	R13DIAB:W13 R reports diabetes this wv	Categ
14	R14DIAB	R14DIAB:W14 R reports diabetes this wv	Categ
15	R15DIAB	R15DIAB:W15 R reports diabetes this wv	Categ
16	R16DIAB	R16DIAB:W16 R reports diabetes this wv	Categ
1	S1DIAB	S1DIAB:W1 S reports diabetes this wv	Categ
2	S2DIAB	S2DIAB:W2 S reports diabetes this wv	Categ
3	S3DIAB	S3DIAB:W3 S reports diabetes this wv	Categ
4	S4DIAB	S4DIAB:W4 S reports diabetes this wv	Categ
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8	S8DIAB	S8DIAB:W8 S reports diabetes this wv	Categ
9	S9DIAB	S9DIAB:W9 S reports diabetes this wv	Categ
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2	R2DIABQ	R2DIABQ:W2 Q-wording diabetes this wv	Categ
3	R3DIABQ	R3DIABQ:W3 Q-wording diabetes this wv	Categ
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2	R2CANCR	R2CANCR:W2 R reports cancer this wv	Categ

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16	R16CANCR	R16CANCR:W16 R reports cancer this wv	Categ

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6	S6CANCRQ	S6CANCRQ:W6 Q-wording cancer this wv	Categ
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14	S14CANCRQ	S14CANCRQ:W14 Q-wording cancer this wv	Categ
15	S15CANCRQ	S15CANCRQ:W15 Q-wording cancer this wv	Categ
16	S16CANCRQ	S16CANCRQ:W16 Q-wording cancer this wv	Categ

1	R1LUNG	R1LUNG:W1 R reports lung disease this wv	Categ
2	R2LUNG	R2LUNG:W2 R reports lung disease this wv	Categ
3	R3LUNG	R3LUNG:W3 R reports lung disease this wv	Categ
4	R4LUNG	R4LUNG:W4 R reports lung disease this wv	Categ
5	R5LUNG	R5LUNG:W5 R reports lung disease this wv	Categ
6	R6LUNG	R6LUNG:W6 R reports lung disease this wv	Categ

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 7    R7LUNG              R7LUNG:W7 R reports lung disease this wv                    Categ
 8    R8LUNG              R8LUNG:W8 R reports lung disease this wv                    Categ
 9    R9LUNG              R9LUNG:W9 R reports lung disease this wv                    Categ
10    R10LUNG             R10LUNG:W10 R reports lung disease this wv                  Categ
11    R11LUNG             R11LUNG:W11 R reports lung disease this wv                  Categ
12    R12LUNG             R12LUNG:W12 R reports lung disease this wv                  Categ
13    R13LUNG             R13LUNG:W13 R reports lung disease this wv                  Categ
14    R14LUNG             R14LUNG:W14 R reports lung disease this wv                  Categ
15    R15LUNG             R15LUNG:W15 R reports lung disease this wv                  Categ
16    R16LUNG             R16LUNG:W16 R reports lung disease this wv                  Categ

 1    S1LUNG              S1LUNG:W1 S reports lung disease this wv                    Categ
 2    S2LUNG              S2LUNG:W2 S reports lung disease this wv                    Categ
 3    S3LUNG              S3LUNG:W3 S reports lung disease this wv                    Categ
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 9    S9LUNG              S9LUNG:W9 S reports lung disease this wv                    Categ
10    S10LUNG             S10LUNG:W10 S reports lung disease this wv                  Categ
11    S11LUNG             S11LUNG:W11 S reports lung disease this wv                  Categ
12    S12LUNG             S12LUNG:W12 S reports lung disease this wv                  Categ
13    S13LUNG             S13LUNG:W13 S reports lung disease this wv                  Categ
14    S14LUNG             S14LUNG:W14 S reports lung disease this wv                  Categ
15    S15LUNG             S15LUNG:W15 S reports lung disease this wv                  Categ
16    S16LUNG             S16LUNG:W16 S reports lung disease this wv                  Categ

 1    R1LUNGQ             R1LUNGQ:W1 Q-wording lung disease this wv                   Categ
 2    R2LUNGQ             R2LUNGQ:W2 Q-wording lung disease this wv                   Categ
 3    R3LUNGQ             R3LUNGQ:W3 Q-wording lung disease this wv                   Categ
 4    R4LUNGQ             R4LUNGQ:W4 Q-wording lung disease this wv                   Categ
 5    R5LUNGQ             R5LUNGQ:W5 Q-wording lung disease this wv                   Categ
 6    R6LUNGQ             R6LUNGQ:W6 Q-wording lung disease this wv                   Categ
 7    R7LUNGQ             R7LUNGQ:W7 Q-wording lung disease this wv                   Categ
 8    R8LUNGQ             R8LUNGQ:W8 Q-wording lung disease this wv                   Categ
 9    R9LUNGQ             R9LUNGQ:W9 Q-wording lung disease this wv                   Categ
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12    R12LUNGQ            R12LUNGQ:W12 Q-wording lung disease this wv                 Categ
13    R13LUNGQ            R13LUNGQ:W13 Q-wording lung disease this wv                 Categ
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16    R16LUNGQ            R16LUNGQ:W16 Q-wording lung disease this wv                 Categ

 1    S1LUNGQ             S1LUNGQ:W1 Q-wording lung disease this wv                   Categ
 2    S2LUNGQ             S2LUNGQ:W2 Q-wording lung disease this wv                   Categ
 3    S3LUNGQ             S3LUNGQ:W3 Q-wording lung disease this wv                   Categ
 4    S4LUNGQ             S4LUNGQ:W4 Q-wording lung disease this wv                   Categ
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 6    S6LUNGQ             S6LUNGQ:W6 Q-wording lung disease this wv                   Categ
 7    S7LUNGQ             S7LUNGQ:W7 Q-wording lung disease this wv                   Categ
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 9    S9LUNGQ             S9LUNGQ:W9 Q-wording lung disease this wv                   Categ
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11    S11LUNGQ            S11LUNGQ:W11 Q-wording lung disease this wv                 Categ
12    S12LUNGQ            S12LUNGQ:W12 Q-wording lung disease this wv                 Categ
13    S13LUNGQ            S13LUNGQ:W13 Q-wording lung disease this wv                 Categ
14    S14LUNGQ            S14LUNGQ:W14 Q-wording lung disease this wv                 Categ
15    S15LUNGQ            S15LUNGQ:W15 Q-wording lung disease this wv                 Categ
16    S16LUNGQ            S16LUNGQ:W16 Q-wording lung disease this wv                 Categ

 1    R1HEART             R1HEART:W1 R reports heart prob this wv                     Categ
 2    R2HEART             R2HEART:W2 R reports heart prob this wv                     Categ
 3    R3HEART             R3HEART:W3 R reports heart prob this wv                     Categ
 4    R4HEART             R4HEART:W4 R reports heart prob this wv                     Categ
 5    R5HEART             R5HEART:W5 R reports heart prob this wv                     Categ
 6    R6HEART             R6HEART:W6 R reports heart prob this wv                     Categ
 7    R7HEART             R7HEART:W7 R reports heart prob this wv                     Categ
 8    R8HEART             R8HEART:W8 R reports heart prob this wv                     Categ
 9    R9HEART             R9HEART:W9 R reports heart prob this wv                     Categ
10    R10HEART            R10HEART:W10 R reports heart prob this wv                   Categ
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11	R11HEART	R11HEART:W11 R reports heart prob this wv	Categ
12	R12HEART	R12HEART:W12 R reports heart prob this wv	Categ
13	R13HEART	R13HEART:W13 R reports heart prob this wv	Categ
14	R14HEART	R14HEART:W14 R reports heart prob this wv	Categ
15	R15HEART	R15HEART:W15 R reports heart prob this wv	Categ
16	R16HEART	R16HEART:W16 R reports heart prob this wv	Categ

1	S1HEART	S1HEART:W1 S reports heart prob this wv	Categ
2	S2HEART	S2HEART:W2 S reports heart prob this wv	Categ
3	S3HEART	S3HEART:W3 S reports heart prob this wv	Categ
4	S4HEART	S4HEART:W4 S reports heart prob this wv	Categ
5	S5HEART	S5HEART:W5 S reports heart prob this wv	Categ
6	S6HEART	S6HEART:W6 S reports heart prob this wv	Categ
7	S7HEART	S7HEART:W7 S reports heart prob this wv	Categ
8	S8HEART	S8HEART:W8 S reports heart prob this wv	Categ
9	S9HEART	S9HEART:W9 S reports heart prob this wv	Categ
10	S10HEART	S10HEART:W10 S reports heart prob this wv	Categ
11	S11HEART	S11HEART:W11 S reports heart prob this wv	Categ
12	S12HEART	S12HEART:W12 S reports heart prob this wv	Categ
13	S13HEART	S13HEART:W13 S reports heart prob this wv	Categ
14	S14HEART	S14HEART:W14 S reports heart prob this wv	Categ
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16	S16HEART	S16HEART:W16 S reports heart prob this wv	Categ

1	R1HEARTQ	R1HEARTQ:W1 Q-wording heart prob this wv	Categ
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3	R3HEARTQ	R3HEARTQ:W3 Q-wording heart prob this wv	Categ
4	R4HEARTQ	R4HEARTQ:W4 Q-wording heart prob this wv	Categ
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7	R7HEARTQ	R7HEARTQ:W7 Q-wording heart prob this wv	Categ
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16	R16HEARTQ	R16HEARTQ:W16 Q-wording heart prob this wv	Categ

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5	R5STROK	R5STROK:W5 R reports stroke this wv	Categ
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3	S3STROK	S3STROK:W3 S reports stroke this wv	Categ
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9	S9PSYCH	S9PSYCH:W9 S reports psych prob this wv	Categ
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15	S15PSYCH	S15PSYCH:W15 S reports psych prob this wv	Categ
16	S16PSYCH	S16PSYCH:W16 S reports psych prob this wv	Categ

1	R1PSYCHQ	R1PSYCHQ:W1 Q-wording psych prob this wv	Categ
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4	R4PSYCHQ	R4PSYCHQ:W4 Q-wording psych prob this wv	Categ
5	R5PSYCHQ	R5PSYCHQ:W5 Q-wording psych prob this wv	Categ
6	R6PSYCHQ	R6PSYCHQ:W6 Q-wording psych prob this wv	Categ
7	R7PSYCHQ	R7PSYCHQ:W7 Q-wording psych prob this wv	Categ
8	R8PSYCHQ	R8PSYCHQ:W8 Q-wording psych prob this wv	Categ
9	R9PSYCHQ	R9PSYCHQ:W9 Q-wording psych prob this wv	Categ
10	R10PSYCHQ	R10PSYCHQ:W10 Q-wording psych prob this wv	Categ
11	R11PSYCHQ	R11PSYCHQ:W11 Q-wording psych prob this wv	Categ
12	R12PSYCHQ	R12PSYCHQ:W12 Q-wording psych prob this wv	Categ
13	R13PSYCHQ	R13PSYCHQ:W13 Q-wording psych prob this wv	Categ
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15	R15PSYCHQ	R15PSYCHQ:W15 Q-wording psych prob this wv	Categ
16	R16PSYCHQ	R16PSYCHQ:W16 Q-wording psych prob this wv	Categ

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3	S3PSYCHQ	S3PSYCHQ:W3 Q-wording psych prob this wv	Categ
4	S4PSYCHQ	S4PSYCHQ:W4 Q-wording psych prob this wv	Categ
5	S5PSYCHQ	S5PSYCHQ:W5 Q-wording psych prob this wv	Categ
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7	S7PSYCHQ	S7PSYCHQ:W7 Q-wording psych prob this wv	Categ
8	S8PSYCHQ	S8PSYCHQ:W8 Q-wording psych prob this wv	Categ
9	S9PSYCHQ	S9PSYCHQ:W9 Q-wording psych prob this wv	Categ
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16	S16PSYCHQ	S16PSYCHQ:W16 Q-wording psych prob this wv	Categ

1	R1ARTHR	R1ARTHR:W1 R reports arthritis this wv	Categ
2	R2ARTHR	R2ARTHR:W2 R reports arthritis this wv	Categ
3	R3ARTHR	R3ARTHR:W3 R reports arthritis this wv	Categ
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8	R8ARTHR	R8ARTHR:W8 R reports arthritis this wv	Categ
9	R9ARTHR	R9ARTHR:W9 R reports arthritis this wv	Categ
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12	R12ARTHR	R12ARTHR:W12 R reports arthritis this wv	Categ
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2	S2ARTHR	S2ARTHR:W2 S reports arthritis this wv	Categ
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16	R16SLEEPQ	R16SLEEPQ:W16 Q-wording sleep disorder this wv	Categ
13	S13SLEEPQ	S13SLEEPQ:W13 Q-wording sleep disorder this wv	Categ
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15	S15SLEEPQ	S15SLEEPQ:W15 Q-wording sleep disorder this wv	Categ
16	S16SLEEPQ	S16SLEEPQ:W16 Q-wording sleep disorder this wv	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HIBP	12652	0.38	0.49	0.0	1.0
R2HIBP	15364	0.30	0.46	0.0	1.0
R3HIBP	17981	0.60	0.90	0.0	5.0
R4HIBP	21369	0.54	0.74	0.0	5.0
R5HIBP	19565	0.55	0.65	0.0	4.0
R6HIBP	18147	0.58	0.62	0.0	4.0
R7HIBP	20100	0.58	0.62	0.0	4.0
R8HIBP	18437	0.62	0.62	0.0	4.0
R9HIBP	17191	0.65	0.61	0.0	4.0
R10HIBP	21987	0.62	0.59	0.0	4.0
R11HIBP	20515	0.66	0.62	0.0	4.0
R12HIBP	18716	0.67	0.59	0.0	4.0
R13HIBP	20864	0.64	0.62	0.0	4.0
R14HIBP	17130	0.67	0.70	0.0	6.0
R15HIBP	15704	0.69	0.72	0.0	6.0
R16HIBP	15765	0.68	0.68	0.0	6.0
S1HIBP	9900	0.37	0.48	0.0	1.0
S2HIBP	9964	0.25	0.43	0.0	1.0
S3HIBP	11911	0.57	0.89	0.0	5.0
S4HIBP	13972	0.50	0.71	0.0	5.0
S5HIBP	12726	0.52	0.64	0.0	4.0
S6HIBP	11633	0.55	0.62	0.0	4.0
S7HIBP	12964	0.54	0.61	0.0	4.0
S8HIBP	11726	0.58	0.61	0.0	4.0
S9HIBP	10635	0.61	0.60	0.0	4.0
S10HIBP	13497	0.58	0.58	0.0	4.0
S11HIBP	12465	0.62	0.62	0.0	4.0
S12HIBP	10999	0.63	0.60	0.0	4.0
S13HIBP	11759	0.61	0.62	0.0	4.0
S14HIBP	9349	0.63	0.69	0.0	6.0
S15HIBP	8472	0.65	0.73	0.0	6.0
S16HIBP	7834	0.65	0.70	0.0	6.0
R1HIBPQ	12652	1.00	0.00	1.0	1.0
R2HIBPQ	19642	2.10	1.45	1.0	15.0
R3HIBPQ	17991	2.43	0.58	1.0	16.0
R4HIBPQ	21384	2.11	0.80	1.0	16.0
R5HIBPQ	19578	2.44	0.55	1.0	15.0
R6HIBPQ	18165	2.62	0.80	1.0	12.0
R7HIBPQ	20129	2.38	0.94	1.0	13.0
R8HIBPQ	18469	2.65	0.78	1.0	12.0
R9HIBPQ	17217	2.66	0.72	1.0	5.0
R10HIBPQ	22034	2.23	1.02	1.0	11.0
R11HIBPQ	20554	2.73	1.13	1.0	16.0
R12HIBPQ	18747	2.69	0.86	1.0	16.0
R13HIBPQ	20912	2.35	1.04	1.0	16.0
R14HIBPQ	17146	2.70	1.02	1.0	16.0
R15HIBPQ	15723	2.75	1.14	1.0	16.0
R16HIBPQ	15787	2.43	1.03	1.0	16.0
S1HIBPQ	9900	1.00	0.00	1.0	1.0
S2HIBPQ	13090	2.25	1.47	1.0	15.0
S3HIBPQ	11917	2.39	0.53	1.0	11.0
S4HIBPQ	13980	2.07	0.82	1.0	16.0
S5HIBPQ	12730	2.40	0.57	1.0	15.0

S6HIBPQ	11639	2.58	0.81	1.0	12.0
S7HIBPQ	12972	2.33	0.95	1.0	13.0
S8HIBPQ	11735	2.62	0.81	1.0	12.0
S9HIBPQ	10646	2.62	0.73	1.0	5.0
S10HIBPQ	13513	2.18	1.01	1.0	11.0
S11HIBPQ	12484	2.70	1.18	1.0	16.0
S12HIBPQ	11012	2.64	0.84	1.0	15.0
S13HIBPQ	11779	2.32	1.02	1.0	16.0
S14HIBPQ	9358	2.65	1.02	1.0	16.0
S15HIBPQ	8477	2.70	1.16	1.0	16.0
S16HIBPQ	7840	2.44	1.02	1.0	15.0
R1DIAB	12652	0.11	0.31	0.0	1.0
R2DIAB	18428	0.07	0.26	0.0	1.0
R3DIAB	17979	0.18	0.58	0.0	5.0
R4DIAB	21372	0.17	0.49	0.0	5.0
R5DIAB	19570	0.18	0.46	0.0	4.0
R6DIAB	18157	0.19	0.45	0.0	4.0
R7DIAB	20108	0.20	0.47	0.0	4.0
R8DIAB	18449	0.22	0.49	0.0	4.0
R9DIAB	17199	0.24	0.51	0.0	4.0
R10DIAB	22013	0.25	0.50	0.0	4.0
R11DIAB	20536	0.28	0.56	0.0	4.0
R12DIAB	18732	0.28	0.54	0.0	4.0
R13DIAB	20886	0.29	0.54	0.0	4.0
R14DIAB	17133	0.34	0.72	0.0	6.0
R15DIAB	15713	0.35	0.73	0.0	6.0
R16DIAB	15771	0.34	0.62	0.0	6.0
S1DIAB	9900	0.10	0.30	0.0	1.0
S2DIAB	12230	0.06	0.24	0.0	1.0
S3DIAB	11911	0.18	0.58	0.0	5.0
S4DIAB	13977	0.16	0.48	0.0	5.0
S5DIAB	12726	0.17	0.45	0.0	4.0
S6DIAB	11635	0.18	0.44	0.0	4.0
S7DIAB	12965	0.19	0.46	0.0	4.0
S8DIAB	11728	0.21	0.49	0.0	4.0
S9DIAB	10638	0.23	0.49	0.0	4.0
S10DIAB	13508	0.24	0.48	0.0	4.0
S11DIAB	12475	0.27	0.55	0.0	4.0
S12DIAB	11010	0.27	0.52	0.0	4.0
S13DIAB	11767	0.27	0.52	0.0	4.0
S14DIAB	9353	0.32	0.69	0.0	6.0
S15DIAB	8472	0.33	0.71	0.0	6.0
S16DIAB	7835	0.33	0.61	0.0	6.0
R1DIABQ	12652	1.00	0.00	1.0	1.0
R2DIABQ	19642	1.77	1.10	1.0	15.0
R3DIABQ	17991	2.11	0.38	1.0	16.0
R4DIABQ	21384	1.87	0.62	1.0	16.0
R5DIABQ	19578	2.12	0.40	1.0	11.0
R6DIABQ	18165	2.30	0.79	1.0	12.0
R7DIABQ	20129	2.10	0.86	1.0	12.0
R8DIABQ	18469	2.32	0.77	1.0	12.0
R9DIABQ	17217	2.32	0.72	1.0	5.0
R10DIABQ	22034	1.97	0.91	1.0	11.0
R11DIABQ	20554	2.44	1.38	1.0	15.0
R12DIABQ	18747	2.39	1.20	1.0	16.0
R13DIABQ	20912	2.11	1.24	1.0	16.0

R14DIABQ	17146	2.40	1.13	1.0	16.0
R15DIABQ	15723	2.44	1.23	1.0	16.0
R16DIABQ	15787	2.17	1.11	1.0	16.0
S1DIABQ	9900	1.00	0.00	1.0	1.0
S2DIABQ	13090	1.89	1.17	1.0	15.0
S3DIABQ	11917	2.10	0.36	1.0	11.0
S4DIABQ	13980	1.85	0.62	1.0	16.0
S5DIABQ	12730	2.11	0.40	1.0	11.0
S6DIABQ	11639	2.28	0.79	1.0	12.0
S7DIABQ	12972	2.07	0.87	1.0	12.0
S8DIABQ	11735	2.31	0.80	1.0	12.0
S9DIABQ	10646	2.29	0.71	1.0	5.0
S10DIABQ	13513	1.94	0.91	1.0	11.0
S11DIABQ	12484	2.44	1.45	1.0	15.0
S12DIABQ	11012	2.38	1.24	1.0	16.0
S13DIABQ	11779	2.11	1.26	1.0	16.0
S14DIABQ	9358	2.37	1.09	1.0	16.0
S15DIABQ	8477	2.41	1.20	1.0	16.0
S16DIABQ	7840	2.19	1.10	1.0	16.0
R1CANCR	12652	0.06	0.23	0.0	1.0
R2CANCR	19050	0.07	0.25	0.0	1.0
R3CANCR	17978	0.13	0.46	0.0	5.0
R4CANCR	21373	0.12	0.41	0.0	5.0
R5CANCR	19563	0.13	0.40	0.0	4.0
R6CANCR	18158	0.15	0.39	0.0	4.0
R7CANCR	20113	0.14	0.40	0.0	4.0
R8CANCR	18452	0.16	0.41	0.0	4.0
R9CANCR	17205	0.17	0.43	0.0	4.0
R10CANCR	22014	0.15	0.39	0.0	4.0
R11CANCR	20538	0.16	0.42	0.0	4.0
R12CANCR	18730	0.17	0.42	0.0	4.0
R13CANCR	20894	0.15	0.39	0.0	4.0
R14CANCR	17127	0.17	0.43	0.0	4.0
R15CANCR	15710	0.17	0.43	0.0	4.0
R16CANCR	15762	0.17	0.43	0.0	4.0
S1CANCR	9900	0.05	0.23	0.0	1.0
S2CANCR	12660	0.06	0.23	0.0	1.0
S3CANCR	11907	0.12	0.45	0.0	5.0
S4CANCR	13976	0.11	0.37	0.0	5.0
S5CANCR	12725	0.13	0.39	0.0	4.0
S6CANCR	11633	0.14	0.38	0.0	4.0
S7CANCR	12964	0.13	0.38	0.0	4.0
S8CANCR	11728	0.14	0.38	0.0	4.0
S9CANCR	10639	0.16	0.42	0.0	4.0
S10CANCR	13502	0.14	0.37	0.0	4.0
S11CANCR	12475	0.15	0.40	0.0	4.0
S12CANCR	11004	0.16	0.41	0.0	4.0
S13CANCR	11774	0.14	0.38	0.0	4.0
S14CANCR	9348	0.16	0.41	0.0	4.0
S15CANCR	8468	0.17	0.41	0.0	4.0
S16CANCR	7828	0.17	0.43	0.0	4.0
R1CANCRQ	12652	1.00	0.00	1.0	1.0
R2CANCRQ	19642	1.71	1.01	1.0	15.0
R3CANCRQ	17991	2.08	0.46	1.0	16.0
R4CANCRQ	21384	1.84	0.58	1.0	16.0

R5CANCRQ	19578	2.09	0.36	1.0	11.0
R6CANCRQ	18165	2.27	0.78	1.0	12.0
R7CANCRQ	20129	2.07	0.85	1.0	16.0
R8CANCRQ	18469	2.28	0.76	1.0	12.0
R9CANCRQ	17217	2.26	0.72	1.0	16.0
R10CANCRQ	22034	1.93	0.88	1.0	11.0
R11CANCRQ	20554	2.30	1.10	1.0	16.0
R12CANCRQ	18747	2.24	0.72	1.0	16.0
R13CANCRQ	20912	1.98	0.79	1.0	15.0
R14CANCRQ	17146	2.21	0.74	1.0	16.0
R15CANCRQ	15723	2.23	0.72	1.0	16.0
R16CANCRQ	15787	2.02	0.73	1.0	15.0
S1CANCRQ	9900	1.00	0.00	1.0	1.0
S2CANCRQ	13090	1.83	1.11	1.0	15.0
S3CANCRQ	11917	2.06	0.43	1.0	16.0
S4CANCRQ	13980	1.82	0.58	1.0	16.0
S5CANCRQ	12730	2.08	0.37	1.0	11.0
S6CANCRQ	11639	2.25	0.78	1.0	12.0
S7CANCRQ	12972	2.04	0.86	1.0	16.0
S8CANCRQ	11735	2.27	0.78	1.0	12.0
S9CANCRQ	10646	2.25	0.72	1.0	16.0
S10CANCRQ	13513	1.90	0.88	1.0	11.0
S11CANCRQ	12484	2.30	1.16	1.0	16.0
S12CANCRQ	11012	2.22	0.73	1.0	15.0
S13CANCRQ	11779	1.97	0.78	1.0	15.0
S14CANCRQ	9358	2.20	0.75	1.0	16.0
S15CANCRQ	8477	2.22	0.74	1.0	11.0
S16CANCRQ	7840	2.04	0.73	1.0	11.0
R1LUNG	12652	0.08	0.27	0.0	1.0
R2LUNG	18754	0.06	0.24	0.0	1.0
R3LUNG	17984	0.17	0.66	0.0	5.0
R4LUNG	21377	0.14	0.56	0.0	5.0
R5LUNG	19565	0.13	0.48	0.0	4.0
R6LUNG	18155	0.12	0.40	0.0	4.0
R7LUNG	20116	0.12	0.43	0.0	4.0
R8LUNG	18448	0.13	0.44	0.0	4.0
R9LUNG	17206	0.13	0.44	0.0	4.0
R10LUNG	22017	0.12	0.39	0.0	4.0
R11LUNG	20544	0.13	0.44	0.0	4.0
R12LUNG	18729	0.13	0.42	0.0	4.0
R13LUNG	20887	0.12	0.42	0.0	4.0
R14LUNG	17133	0.13	0.42	0.0	6.0
R15LUNG	15707	0.13	0.42	0.0	6.0
R16LUNG	15768	0.12	0.42	0.0	6.0
S1LUNG	9900	0.08	0.26	0.0	1.0
S2LUNG	12470	0.05	0.22	0.0	1.0
S3LUNG	11913	0.16	0.63	0.0	5.0
S4LUNG	13978	0.13	0.54	0.0	5.0
S5LUNG	12723	0.11	0.45	0.0	4.0
S6LUNG	11633	0.10	0.37	0.0	4.0
S7LUNG	12969	0.11	0.42	0.0	4.0
S8LUNG	11727	0.11	0.41	0.0	4.0
S9LUNG	10639	0.11	0.40	0.0	4.0
S10LUNG	13507	0.10	0.36	0.0	4.0
S11LUNG	12480	0.11	0.39	0.0	4.0
S12LUNG	11007	0.11	0.39	0.0	4.0

S13LUNG	11769	0.10	0.38	0.0	4.0
S14LUNG	9351	0.10	0.38	0.0	6.0
S15LUNG	8469	0.10	0.37	0.0	6.0
S16LUNG	7831	0.09	0.33	0.0	6.0
R1LUNGQ	12652	1.00	0.00	1.0	1.0
R2LUNGQ	19642	1.73	1.03	1.0	15.0
R3LUNGQ	17991	2.08	0.36	1.0	15.0
R4LUNGQ	21384	1.84	0.68	1.0	16.0
R5LUNGQ	19578	2.07	0.34	1.0	11.0
R6LUNGQ	18165	2.25	0.78	1.0	15.0
R7LUNGQ	20129	2.04	0.83	1.0	13.0
R8LUNGQ	18469	2.24	0.75	1.0	12.0
R9LUNGQ	17217	2.22	0.69	1.0	5.0
R10LUNGQ	22034	1.90	0.86	1.0	11.0
R11LUNGQ	20554	2.28	1.15	1.0	16.0
R12LUNGQ	18747	2.21	0.84	1.0	16.0
R13LUNGQ	20912	1.95	0.86	1.0	16.0
R14LUNGQ	17146	2.19	0.87	1.0	16.0
R15LUNGQ	15723	2.21	0.82	1.0	16.0
R16LUNGQ	15787	2.00	0.86	1.0	16.0
S1LUNGQ	9900	1.00	0.00	1.0	1.0
S2LUNGQ	13090	1.85	1.12	1.0	15.0
S3LUNGQ	11917	2.07	0.33	1.0	11.0
S4LUNGQ	13980	1.83	0.68	1.0	16.0
S5LUNGQ	12730	2.06	0.35	1.0	11.0
S6LUNGQ	11639	2.22	0.78	1.0	15.0
S7LUNGQ	12972	2.01	0.83	1.0	13.0
S8LUNGQ	11735	2.23	0.77	1.0	12.0
S9LUNGQ	10646	2.20	0.67	1.0	5.0
S10LUNGQ	13513	1.87	0.86	1.0	11.0
S11LUNGQ	12484	2.27	1.19	1.0	16.0
S12LUNGQ	11012	2.19	0.85	1.0	16.0
S13LUNGQ	11779	1.93	0.81	1.0	16.0
S14LUNGQ	9358	2.17	0.86	1.0	16.0
S15LUNGQ	8477	2.17	0.81	1.0	16.0
S16LUNGQ	7840	2.00	0.82	1.0	16.0
R1HEART	12652	0.13	0.34	0.0	1.0
R2HEART	19632	0.16	0.37	0.0	1.0
R3HEART	17986	0.30	0.71	0.0	5.0
R4HEART	21371	0.39	1.06	0.0	6.0
R5HEART	19570	0.26	0.54	0.0	4.0
R6HEART	18153	0.28	0.53	0.0	4.0
R7HEART	20108	0.27	0.53	0.0	4.0
R8HEART	18449	0.29	0.57	0.0	4.0
R9HEART	17199	0.31	0.58	0.0	4.0
R10HEART	22013	0.26	0.52	0.0	4.0
R11HEART	20535	0.27	0.55	0.0	4.0
R12HEART	18723	0.28	0.54	0.0	4.0
R13HEART	20887	0.26	0.54	0.0	4.0
R14HEART	17131	0.28	0.62	0.0	6.0
R15HEART	15703	0.29	0.66	0.0	6.0
R16HEART	15768	0.27	0.59	0.0	6.0
S1HEART	9900	0.13	0.34	0.0	1.0
S2HEART	13086	0.14	0.34	0.0	1.0
S3HEART	11915	0.27	0.68	0.0	5.0

S4HEART	13975	0.33	0.95	0.0	6.0
S5HEART	12727	0.24	0.52	0.0	4.0
S6HEART	11633	0.25	0.50	0.0	4.0
S7HEART	12965	0.24	0.51	0.0	4.0
S8HEART	11731	0.27	0.54	0.0	4.0
S9HEART	10636	0.28	0.55	0.0	4.0
S10HEART	13503	0.24	0.50	0.0	4.0
S11HEART	12475	0.25	0.51	0.0	4.0
S12HEART	11002	0.26	0.52	0.0	4.0
S13HEART	11772	0.23	0.51	0.0	4.0
S14HEART	9356	0.26	0.60	0.0	6.0
S15HEART	8469	0.26	0.62	0.0	6.0
S16HEART	7830	0.26	0.58	0.0	6.0
R1HEARTQ	12652	1.00	0.00	1.0	1.0
R2HEARTQ	19642	1.99	1.76	1.0	19.0
R3HEARTQ	17991	2.19	0.48	1.0	16.0
R4HEARTQ	21384	2.45	2.75	1.0	16.0
R5HEARTQ	19578	2.18	0.46	1.0	15.0
R6HEARTQ	18165	2.52	1.65	1.0	16.0
R7HEARTQ	20129	2.15	0.89	1.0	16.0
R8HEARTQ	18469	2.37	0.78	1.0	12.0
R9HEARTQ	17217	2.36	0.74	1.0	16.0
R10HEARTQ	22034	1.99	0.92	1.0	11.0
R11HEARTQ	20554	2.41	1.24	1.0	15.0
R12HEARTQ	18747	2.34	0.90	1.0	15.0
R13HEARTQ	20912	2.07	1.04	1.0	16.0
R14HEARTQ	17146	2.32	0.97	1.0	16.0
R15HEARTQ	15723	2.36	1.07	1.0	16.0
R16HEARTQ	15787	2.10	0.92	1.0	16.0
S1HEARTQ	9900	1.00	0.00	1.0	1.0
S2HEARTQ	13090	2.14	1.85	1.0	19.0
S3HEARTQ	11917	2.17	0.45	1.0	15.0
S4HEARTQ	13980	2.28	2.38	1.0	16.0
S5HEARTQ	12730	2.16	0.48	1.0	15.0
S6HEARTQ	11639	2.44	1.43	1.0	16.0
S7HEARTQ	12972	2.11	0.89	1.0	13.0
S8HEARTQ	11735	2.35	0.81	1.0	12.0
S9HEARTQ	10646	2.33	0.72	1.0	5.0
S10HEARTQ	13513	1.96	0.92	1.0	11.0
S11HEARTQ	12484	2.40	1.28	1.0	15.0
S12HEARTQ	11012	2.31	0.87	1.0	15.0
S13HEARTQ	11779	2.05	0.98	1.0	15.0
S14HEARTQ	9358	2.29	0.92	1.0	16.0
S15HEARTQ	8477	2.34	1.11	1.0	16.0
S16HEARTQ	7840	2.11	0.87	1.0	15.0
R1STROK	12652	0.03	0.17	0.0	1.0
R2STROK	19315	0.06	0.26	0.0	2.0
R3STROK	17983	0.09	0.42	0.0	5.0
R4STROK	21376	0.09	0.39	0.0	5.0
R5STROK	19571	0.09	0.34	0.0	4.0
R6STROK	18155	0.09	0.33	0.0	4.0
R7STROK	20122	0.09	0.33	0.0	4.0
R8STROK	18454	0.09	0.35	0.0	4.0
R9STROK	17203	0.10	0.35	0.0	4.0
R10STROK	22020	0.09	0.33	0.0	4.0
R11STROK	20543	0.09	0.35	0.0	4.0

R12STROK	18727	0.10	0.35	0.0	4.0
R13STROK	20898	0.09	0.34	0.0	4.0
R14STROK	17136	0.08	0.30	0.0	4.0
R15STROK	15710	0.09	0.31	0.0	4.0
R16STROK	15769	0.10	0.34	0.0	4.0
S1STROK	9900	0.03	0.17	0.0	1.0
S2STROK	12847	0.04	0.23	0.0	2.0
S3STROK	11913	0.08	0.38	0.0	5.0
S4STROK	13977	0.08	0.35	0.0	5.0
S5STROK	12727	0.07	0.31	0.0	4.0
S6STROK	11635	0.07	0.31	0.0	4.0
S7STROK	12970	0.07	0.29	0.0	4.0
S8STROK	11729	0.08	0.31	0.0	4.0
S9STROK	10640	0.08	0.30	0.0	4.0
S10STROK	13506	0.07	0.28	0.0	4.0
S11STROK	12479	0.08	0.32	0.0	4.0
S12STROK	11005	0.08	0.32	0.0	4.0
S13STROK	11774	0.08	0.32	0.0	4.0
S14STROK	9354	0.07	0.28	0.0	4.0
S15STROK	8475	0.07	0.28	0.0	4.0
S16STROK	7831	0.08	0.30	0.0	4.0
R1STROKQ	12652	1.00	0.00	1.0	1.0
R2STROKQ	19642	1.68	0.98	1.0	15.0
R3STROKQ	17991	2.12	1.08	1.0	16.0
R4STROKQ	21384	1.84	0.82	1.0	15.0
R5STROKQ	19578	2.13	1.10	1.0	15.0
R6STROKQ	18165	2.28	1.16	1.0	15.0
R7STROKQ	20129	2.08	1.22	1.0	15.0
R8STROKQ	18469	2.28	1.18	1.0	15.0
R9STROKQ	17217	2.26	1.13	1.0	15.0
R10STROKQ	22034	1.92	1.18	1.0	15.0
R11STROKQ	20554	2.29	1.34	1.0	16.0
R12STROKQ	18747	2.21	1.03	1.0	15.0
R13STROKQ	20912	1.96	1.08	1.0	16.0
R14STROKQ	17146	2.19	1.07	1.0	16.0
R15STROKQ	15723	2.17	0.75	1.0	16.0
R16STROKQ	15787	1.96	0.73	1.0	15.0
S1STROKQ	9900	1.00	0.00	1.0	1.0
S2STROKQ	13090	1.79	1.04	1.0	12.0
S3STROKQ	11917	2.08	0.93	1.0	15.0
S4STROKQ	13980	1.81	0.71	1.0	15.0
S5STROKQ	12730	2.10	1.00	1.0	15.0
S6STROKQ	11639	2.25	1.10	1.0	15.0
S7STROKQ	12972	2.04	1.18	1.0	15.0
S8STROKQ	11735	2.26	1.14	1.0	15.0
S9STROKQ	10646	2.22	1.08	1.0	15.0
S10STROKQ	13513	1.88	1.11	1.0	15.0
S11STROKQ	12484	2.27	1.35	1.0	16.0
S12STROKQ	11012	2.19	1.02	1.0	15.0
S13STROKQ	11779	1.95	1.05	1.0	16.0
S14STROKQ	9358	2.17	1.08	1.0	16.0
S15STROKQ	8477	2.14	0.73	1.0	15.0
S16STROKQ	7840	1.97	0.71	1.0	15.0
R1PSYCH	12652	0.11	0.31	0.0	1.0
R2PSYCH	18442	0.07	0.26	0.0	1.0

R3PSYCH	17978	0.25	0.81	0.0	5.0
R4PSYCH	21371	0.21	0.66	0.0	5.0
R5PSYCH	19569	0.21	0.58	0.0	4.0
R6PSYCH	18155	0.20	0.52	0.0	4.0
R7PSYCH	20098	0.21	0.56	0.0	4.0
R8PSYCH	18447	0.22	0.55	0.0	4.0
R9PSYCH	17199	0.22	0.55	0.0	4.0
R10PSYCH	21998	0.21	0.51	0.0	4.0
R11PSYCH	20523	0.23	0.54	0.0	4.0
R12PSYCH	18717	0.23	0.53	0.0	4.0
R13PSYCH	20886	0.23	0.52	0.0	4.0
R14PSYCH	17129	0.25	0.62	0.0	6.0
R15PSYCH	15701	0.26	0.65	0.0	6.0
R16PSYCH	15763	0.26	0.60	0.0	6.0
S1PSYCH	9900	0.09	0.29	0.0	1.0
S2PSYCH	12322	0.06	0.24	0.0	1.0
S3PSYCH	11913	0.23	0.78	0.0	5.0
S4PSYCH	13972	0.18	0.62	0.0	5.0
S5PSYCH	12727	0.18	0.55	0.0	4.0
S6PSYCH	11635	0.17	0.49	0.0	4.0
S7PSYCH	12953	0.18	0.52	0.0	4.0
S8PSYCH	11725	0.19	0.51	0.0	4.0
S9PSYCH	10637	0.19	0.52	0.0	4.0
S10PSYCH	13502	0.18	0.46	0.0	4.0
S11PSYCH	12470	0.19	0.49	0.0	4.0
S12PSYCH	11000	0.19	0.49	0.0	4.0
S13PSYCH	11773	0.19	0.49	0.0	4.0
S14PSYCH	9351	0.21	0.59	0.0	6.0
S15PSYCH	8471	0.22	0.60	0.0	6.0
S16PSYCH	7829	0.21	0.57	0.0	6.0
R1PSYCHQ	12652	1.00	0.00	1.0	1.0
R2PSYCHQ	19642	1.77	1.11	1.0	15.0
R3PSYCHQ	17991	2.12	0.55	1.0	16.0
R4PSYCHQ	21384	1.87	0.66	1.0	16.0
R5PSYCHQ	19578	2.13	0.44	1.0	16.0
R6PSYCHQ	18165	2.30	0.79	1.0	16.0
R7PSYCHQ	20129	2.09	0.86	1.0	13.0
R8PSYCHQ	18469	2.31	0.77	1.0	12.0
R9PSYCHQ	17217	2.29	0.71	1.0	5.0
R10PSYCHQ	22034	1.95	0.90	1.0	11.0
R11PSYCHQ	20554	2.35	1.12	1.0	16.0
R12PSYCHQ	18747	2.29	0.80	1.0	15.0
R13PSYCHQ	20912	2.03	0.91	1.0	16.0
R14PSYCHQ	17146	2.30	0.91	1.0	16.0
R15PSYCHQ	15723	2.35	1.05	1.0	16.0
R16PSYCHQ	15787	2.10	0.94	1.0	16.0
S1PSYCHQ	9900	1.00	0.00	1.0	1.0
S2PSYCHQ	13090	1.88	1.16	1.0	15.0
S3PSYCHQ	11917	2.11	0.53	1.0	16.0
S4PSYCHQ	13980	1.85	0.66	1.0	16.0
S5PSYCHQ	12730	2.10	0.40	1.0	11.0
S6PSYCHQ	11639	2.27	0.78	1.0	12.0
S7PSYCHQ	12972	2.05	0.86	1.0	13.0
S8PSYCHQ	11735	2.28	0.79	1.0	12.0
S9PSYCHQ	10646	2.26	0.70	1.0	5.0
S10PSYCHQ	13513	1.91	0.88	1.0	11.0

S11PSYCHQ	12484	2.33	1.17	1.0	16.0
S12PSYCHQ	11012	2.25	0.74	1.0	15.0
S13PSYCHQ	11779	2.00	0.88	1.0	16.0
S14PSYCHQ	9358	2.26	0.88	1.0	16.0
S15PSYCHQ	8477	2.30	1.03	1.0	16.0
S16PSYCHQ	7840	2.09	0.87	1.0	16.0
R1ARTHR	12652	0.38	0.48	0.0	1.0
R2ARTHR	15390	0.20	0.40	0.0	1.0
R3ARTHR	17982	0.61	0.82	0.0	5.0
R4ARTHR	21362	0.60	0.74	0.0	5.0
R5ARTHR	19563	0.64	0.66	0.0	4.0
R6ARTHR	18139	0.65	0.63	0.0	4.0
R7ARTHR	20104	0.63	0.63	0.0	4.0
R8ARTHR	18450	0.65	0.62	0.0	4.0
R9ARTHR	17190	0.69	0.65	0.0	4.0
R10ARTHR	21992	0.59	0.60	0.0	4.0
R11ARTHR	20527	0.62	0.63	0.0	4.0
R12ARTHR	18712	0.64	0.61	0.0	4.0
R13ARTHR	20877	0.59	0.61	0.0	4.0
R14ARTHR	17132	0.61	0.60	0.0	6.0
R15ARTHR	15702	0.64	0.66	0.0	6.0
R16ARTHR	15771	0.60	0.58	0.0	6.0
S1ARTHR	9900	0.36	0.48	0.0	1.0
S2ARTHR	10009	0.17	0.37	0.0	1.0
S3ARTHR	11910	0.59	0.84	0.0	5.0
S4ARTHR	13970	0.57	0.74	0.0	5.0
S5ARTHR	12722	0.60	0.66	0.0	4.0
S6ARTHR	11626	0.62	0.63	0.0	4.0
S7ARTHR	12959	0.59	0.63	0.0	4.0
S8ARTHR	11730	0.61	0.61	0.0	4.0
S9ARTHR	10632	0.65	0.66	0.0	4.0
S10ARTHR	13497	0.55	0.60	0.0	4.0
S11ARTHR	12473	0.58	0.63	0.0	4.0
S12ARTHR	11001	0.59	0.60	0.0	4.0
S13ARTHR	11769	0.54	0.60	0.0	4.0
S14ARTHR	9351	0.56	0.57	0.0	6.0
S15ARTHR	8466	0.59	0.66	0.0	6.0
S16ARTHR	7836	0.56	0.59	0.0	6.0
R1ARTHRQ	12652	1.00	0.00	1.0	1.0
R2ARTHRQ	19642	2.09	1.43	1.0	15.0
R3ARTHRQ	17991	2.36	0.54	1.0	15.0
R4ARTHRQ	21384	2.15	0.81	1.0	16.0
R5ARTHRQ	19578	2.51	0.55	1.0	11.0
R6ARTHRQ	18165	2.69	0.81	1.0	15.0
R7ARTHRQ	20129	2.44	0.95	1.0	13.0
R8ARTHRQ	18469	2.69	0.77	1.0	12.0
R9ARTHRQ	17217	2.70	0.72	1.0	5.0
R10ARTHRQ	22034	2.24	1.02	1.0	11.0
R11ARTHRQ	20554	2.70	1.12	1.0	16.0
R12ARTHRQ	18747	2.64	0.76	1.0	16.0
R13ARTHRQ	20912	2.32	1.03	1.0	16.0
R14ARTHRQ	17146	2.63	0.90	1.0	16.0
R15ARTHRQ	15723	2.68	0.93	1.0	16.0
R16ARTHRQ	15787	2.38	0.94	1.0	16.0
S1ARTHRQ	9900	1.00	0.00	1.0	1.0

S2ARTHRQ	13090	2.24	1.47	1.0	15.0
S3ARTHRQ	11917	2.34	0.52	1.0	11.0
S4ARTHRQ	13980	2.11	0.82	1.0	16.0
S5ARTHRQ	12730	2.46	0.56	1.0	11.0
S6ARTHRQ	11639	2.64	0.82	1.0	15.0
S7ARTHRQ	12972	2.38	0.96	1.0	13.0
S8ARTHRQ	11735	2.66	0.80	1.0	12.0
S9ARTHRQ	10646	2.65	0.72	1.0	5.0
S10ARTHRQ	13513	2.19	1.02	1.0	11.0
S11ARTHRQ	12484	2.67	1.20	1.0	16.0
S12ARTHRQ	11012	2.60	0.77	1.0	16.0
S13ARTHRQ	11779	2.28	0.98	1.0	16.0
S14ARTHRQ	9358	2.57	0.89	1.0	16.0
S15ARTHRQ	8477	2.62	0.92	1.0	16.0
S16ARTHRQ	7840	2.38	0.92	1.0	15.0
R13SLEEP	20881	0.15	0.36	0.0	1.0
R14SLEEP	17090	0.16	0.37	0.0	1.0
R15SLEEP	15665	0.17	0.37	0.0	1.0
R16SLEEP	15736	0.19	0.39	0.0	1.0
S13SLEEP	11766	0.15	0.36	0.0	1.0
S14SLEEP	9334	0.16	0.37	0.0	1.0
S15SLEEP	8458	0.17	0.38	0.0	1.0
S16SLEEP	7821	0.18	0.39	0.0	1.0
R13SLEEPQ	20912	1.00	0.00	1.0	1.0
R14SLEEPQ	17146	2.35	1.47	1.0	11.0
R15SLEEPQ	15723	2.18	0.80	1.0	11.0
R16SLEEPQ	15787	1.97	0.69	1.0	11.0
S13SLEEPQ	11779	1.00	0.00	1.0	1.0
S14SLEEPQ	9358	2.34	1.45	1.0	11.0
S15SLEEPQ	8477	2.17	0.76	1.0	11.0
S16SLEEPQ	7840	2.00	0.66	1.0	11.0

Categorical Variable Codes

RwHIBP: R reports high BP this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		11	7	15	11	17	26	30	22	45
.J=Web interview, missing										
.M=Oth missing			2					1		
.P=Preload yes,but no prv w		1								
.R=RF		1	1		2	1	3	1	4	2
.Y=Via preload+yes prev wv		4265								
0.No	7784	10699	9172	11096	9604	8318	9198	7681	6583	8922
1.Yes	4868	4665	8301	9948	9663	9611	10667	10531	10394	12860
3.Disp prev record and has					7	5	4	5	9	11
4.Disp prev record and no c					291	213	231	220	205	194
5.Disp prev record (DK if c			508	325						
6.Preld prob:prev had/no ne										

Value	w11	w12	w13	w14	w15	w16
.D=DK	35	29	45	11	14	12
.J=Web interview, missing				3	4	5
.M=Oth missing	1					1
.P=Preload yes,but no prv w						
.R=RF	3	2	3	2	1	4
.Y=Via preload+yes prev wv						
0.No	7801	6838	8226	6466	5739	5740
1.Yes	12440	11672	12373	10474	9778	9872
3.Disp prev record and has	10	13	11			
4.Disp prev record and no c	264	193	254	61	45	35
5.Disp prev record (DK if c						
6.Preld prob:prev had/no ne				129	142	118

SwHIBP: S reports high BP this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		4	4	8	3	5	7	8	8	15
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF					1	1	1	1	3	1
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
.Y=Via preload+yes prev wv		3122								
0.No	6260	7478	6456	7685	6615	5635	6352	5299	4447	5955
1.Yes	3640	2486	5131	6106	5938	5861	6473	6303	6071	7432
3.Disp prev record and has					5	1	3	3	6	5
4.Disp prev record and no c					168	136	136	121	111	105
5.Disp prev record (DK if c			324	181						
6.Preld prob:prev had/no ne										

Value	w11	w12	w13	w14	w15	w16
.D=DK	15	12	18	8	3	1
.J=Web interview, missing				1	2	3
.M=Oth missing	1					
.R=RF	3	1	2			2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.Y=Via preload+yes prev wv						
0.No	5165	4454	5041	3856	3402	3127
1.Yes	7141	6430	6576	5395	4971	4630
3.Disp prev record and has	4	10	6			

4.Disp prev record and no c	155	105	136	37	21	15				
5.Disp prev record (DK if c										
6.Preld prob:prev had/no ne				61	78	62				

RwHIBPQ: Q-wording high BP this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw: have had [ever]	12652	8189	270	5090	264	226	3471	207	143	6439
2.ReIvw,NoCond: have had si		7015	9787	8920	10498	8689	7488	8109	7155	6011
3.ReIvw,Cond: last time sai			7926	7363	8809	8171	8205	9126	9103	8696
4.ReIvw,Cond: skip question		4265								
5.ReIvw/NewR: have ever had						1072	959	1020	816	877
7.Skipped Have You Ever Had										
8.New interview R reported										
10.Ovrlap-93Ivw: have had [		107								
11.ReIvw BUT Pre=NewIvw: ha			2	3	6	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		29		1		1		1		
13.NewIvw BUT Pre=ReIvw,Con							1			
15.ReIvw,Cond BUT Pre=NoCon		37	5	3	1					
16.ReIvw,NoCond BUT Pre=Con			1	4						

Value	w11	w12	w13	w14	w15	w16
1.NewIvw: have had [ever]	331	178	4558	181	172	2759
2.ReIvw,NoCond: have had si	8090	7190	6113	6830	5993	4880
3.ReIvw,Cond: last time sai	11170	10685	9633	9564	8849	7653
4.ReIvw,Cond: skip question						
5.ReIvw/NewR: have ever had	753	655	569	369	490	356
7.Skipped Have You Ever Had				126	142	117
8.New interview R reported						1
10.Ovrlap-93Ivw: have had [						
11.ReIvw BUT Pre=NewIvw: ha	188	5	9	34	23	6
12.NewIvw BUT Pre=ReIvw,NoC						
13.NewIvw BUT Pre=ReIvw,Con						
15.ReIvw,Cond BUT Pre=NoCon	21	33	27	31	7	11
16.ReIvw,NoCond BUT Pre=Con	1	1	3	11	47	4

SwHIBPQ: Q-wording high BP this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
1.NewIvw: have had [ever]	9900	4319	240	3503	246	209	2484	198	139	4096
2.ReIvw,NoCond: have had si		5501	6771	6058	7159	5823	4975	5499	4750	3938
3.ReIvw,Cond: last time sai			4905	4409	5319	4952	4930	5363	5283	4983
4.ReIvw,Cond: skip question		3122								
5.ReIvw/NewR: have ever had						648	577	668	474	485
7.Skipped Have You Ever Had										
10.Ovrlap-93Ivw: have had [		104								
11.ReIvw BUT Pre=NewIvw: ha			1	3	5	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		28		1		1		1		
13.NewIvw BUT Pre=ReIvw,Con							1			
15.ReIvw,Cond BUT Pre=NoCon		16		2	1					
16.ReIvw,NoCond BUT Pre=Con				4						

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.NewIvw: have had [ever]	313	167	2517	176	156	1221
2.ReIvw,NoCond: have had si	5250	4579	3823	3989	3519	2713

3.ReIvw,Cond: last time sai	6325	5871	5122	4883	4432	3650
4.ReIvw,Cond: skip question						
5.ReIvw/NewR: have ever had	450	375	294	208	245	182
7.Skipped Have You Ever Had				61	78	62
10.Ovrlap-93Ivw: have had [						
11.ReIvw BUT Pre=NewIvw: ha	137	5	8	21	19	5
12.NewIvw BUT Pre=ReIvw,NoC						
13.NewIvw BUT Pre=ReIvw,Con						
15.ReIvw,Cond BUT Pre=NoCon	8	15	13	16	4	7
16.ReIvw,NoCond BUT Pre=Con	1		2	4	24	

RwDIAB: R reports diabetes this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		10	8	12	4	6	17	17	15	18
.J=Web interview, missing										
.M=Oth missing			2					1		
.P=Preload yes,but no prv w		1								
.R=RF			2		4	2	4	2	3	3
.Y=Via preload+yes prev wv		1203								
0.No	11262	17057	15334	18224	16452	14895	16398	14626	13323	16865
1.Yes	1390	1371	2480	3043	3007	3191	3609	3716	3771	5037
3.Disp prev record and has					3	3	5	3	3	4
4.Disp prev record and no c					108	68	96	104	102	107
5.Disp prev record (DK if c			165	105						
6.Preld prob:prev had/no ne										

Value	w11	w12	w13	w14	w15	w16
.D=DK	17	14	20	9	10	11
.J=Web interview, missing						1
.M=Oth missing	1		1	2		
.P=Preload yes,but no prv w						
.R=RF		1	5	2		4
.Y=Via preload+yes prev wv						
0.No	15408	13859	15318	12222	11091	10868
1.Yes	4932	4737	5410	4686	4410	4775
3.Disp prev record and has	4	1	8			
4.Disp prev record and no c	192	135	150	97	82	76
5.Disp prev record (DK if c						
6.Preld prob:prev had/no ne				128	130	52

SwDIAB: S reports diabetes this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		3	4	3	2	3	6	6	7	4
.M=Oth missing			2							
.R=RF					2	1	1	1	1	1
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
.Y=Via preload+yes prev wv		857								
0.No	8877	11470	10253	12039	10791	9615	10660	9416	8334	10438
1.Yes	1023	760	1546	1869	1869	1976	2240	2245	2246	3011
3.Disp prev record and has					2	3	4	1	2	3
4.Disp prev record and no c					64	41	61	66	56	56
5.Disp prev record (DK if c			112	69						
6.Preld prob:prev had/no ne										

Value	w11	w12	w13	w14	w15	w16
.D=DK	8	1	9	4	5	4
.M=Oth missing	1			1		
.R=RF		1	3			1
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.Y=Via preload+yes prev wv						
0.No	9490	8246	8760	6768	6067	5510
1.Yes	2876	2695	2930	2478	2305	2266
3.Disp prev record and has	3	1	5			
4.Disp prev record and no c	106	68	72	46	35	30
5.Disp prev record (DK if c						
6.Preld prob:prev had/no ne				61	65	29

RwDIABQ: Q-wording diabetes this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw: have had [ever]	12652	8189	270	5090	264	226	3471	207	143	6439
2.ReIvw,NoCond: have had si		10103	15518	14169	16705	14399	13075	14238	13126	11632
3.ReIvw,Cond: last time sai			2200	2116	2603	2461	2618	2997	3132	3075
4.ReIvw,Cond: skip question		1203								
5.ReIvw/NewR: have ever had						1072	959	1020	816	877
7.Skipped Have You Ever Had										
8.New interview R reported										
10.Ovrlap-93Ivw: have had [		107								
11.ReIvw BUT Pre=NewIvw: ha			2	3	6	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		29		1		1	1	1		
15.ReIvw,Cond BUT Pre=NoCon		11		2						
16.ReIvw,NoCond BUT Pre=Con			1	3						

Value	w11	w12	w13	w14	w15	w16
1.NewIvw: have had [ever]	331	178	4558	178	172	2759
2.ReIvw,NoCond: have had si	14965	13733	11889	12285	11050	9125
3.ReIvw,Cond: last time sai	4219	4063	3781	4096	3795	3442
4.ReIvw,Cond: skip question						
5.ReIvw/NewR: have ever had	753	655	569	369	490	356
7.Skipped Have You Ever Had				116	119	47
8.New interview R reported				3		1
10.Ovrlap-93Ivw: have had [						
11.ReIvw BUT Pre=NewIvw: ha	188	5	9	34	23	6
12.NewIvw BUT Pre=ReIvw,NoC						
15.ReIvw,Cond BUT Pre=NoCon	98	112	102	59	35	38
16.ReIvw,NoCond BUT Pre=Con		1	4	6	39	13

SwDIABQ: Q-wording diabetes this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
1.NewIvw: have had [ever]	9900	4319	240	3503	246	209	2484	198	139	4096
2.ReIvw,NoCond: have had si		7776	10310	9163	10892	9277	8306	9078	8202	7130
3.ReIvw,Cond: last time sai			1366	1307	1587	1498	1599	1784	1831	1791
4.ReIvw,Cond: skip question		857								
5.ReIvw/NewR: have ever had						648	577	668	474	485
7.Skipped Have You Ever Had										
8.New interview R reported										
10.Ovrlap-93Ivw: have had [		104								
11.ReIvw BUT Pre=NewIvw: ha			1	3	5	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		28		1		1	1	1		
15.ReIvw,Cond BUT Pre=NoCon		6		2						
16.ReIvw,NoCond BUT Pre=Con				1						

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.NewIvw: have had [ever]	313	167	2517	173	156	1221
2.ReIvw,NoCond: have had si	9075	8109	6825	6741	6002	4719
3.ReIvw,Cond: last time sai	2446	2283	2071	2128	1961	1661
4.ReIvw,Cond: skip question						
5.ReIvw/NewR: have ever had	450	375	294	208	245	182
7.Skipped Have You Ever Had				54	60	28
8.New interview R reported				3		
10.Ovrlap-93Ivw: have had [						
11.ReIvw BUT Pre=NewIvw: ha	137	5	8	21	19	5
12.NewIvw BUT Pre=ReIvw,NoC						
15.ReIvw,Cond BUT Pre=NoCon	63	72	62	28	16	20
16.ReIvw,NoCond BUT Pre=Con		1	2	2	18	4

RwCANCR: R reports cancer this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		9	7	10	10	5	13	14	9	18
.J=Web interview, missing										
.M=Oth missing			2					1		
.R=RF		3	3	1	5	2	3	2	3	2
.T=Other			1							
.Y=Via preload+yes prev wv		580								
0.No	11949	17777	16010	18978	17150	15665	17420	15746	14477	18926
1.Yes	703	1273	1880	2333	2344	2444	2630	2652	2670	3041
3.Disp prev record and has					1	3	1	2		
4.Disp prev record and no c					68	46	62	52	58	47
5.Disp prev record (DK if c			88	62						

Value	w11	w12	w13	w14	w15	w16
.D=DK	12	16	16	4	2	14
.J=Web interview, missing				13	7	8
.M=Oth missing	1		1			1
.R=RF	3	1	1	2	4	2
.T=Other						
.Y=Via preload+yes prev wv						
0.No	17440	15771	17867	14466	13180	13251
1.Yes	3030	2901	2981	2592	2471	2457
3.Disp prev record and has	3	1	1			

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
4.Disp prev record and no c	65	57	45	69	59	54				
5.Disp prev record (DK if c										

SwCANCR: S reports cancer this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		4	6	3	3	4	7	6	5	9
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF		3	1	1	2	2	1	1	2	2
.T=Other			1							
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
.Y=Via preload+yes prev wv		423								
0.No	9365	11949	10695	12500	11248	10122	11334	10116	9021	11651
1.Yes	535	711	1154	1452	1435	1483	1595	1592	1582	1831
3.Disp prev record and has					1	2	1			
4.Disp prev record and no c					41	26	34	20	36	20
5.Disp prev record (DK if c			58	24						

Value	w11	w12	w13	w14	w15	w16
.D=DK	8	7	4	2		6
.J=Web interview, missing				8	7	4
.M=Oth missing	1					1
.R=RF		1	1		2	1
.T=Other						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.Y=Via preload+yes prev wv						
0.No	10679	9342	10139	7902	7117	6563
1.Yes	1760	1629	1614	1420	1328	1237
3.Disp prev record and has	2					
4.Disp prev record and no c	34	33	21	26	23	28
5.Disp prev record (DK if c						

RwCANCRQ: Q-wording cancer this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw: have had [ever]	12652	8189	270	5090	264	226	3471	207	143	6439
2.ReIvw,NoCond: have had si		10728	16165	14760	17369	14962	13688	15072	14055	12607
3.ReIvw,Cond: last time sai			1543	1525	1939	1898	2004	2163	2201	2100
4.ReIvw,Cond: skip question		580								
5.ReIvw/NewR: have ever had						1072	959	1020	816	877
10.Ovrlap-93Ivw: have had [		107								
11.ReIvw BUT Pre=NewIvw: ha			2	3	6	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		29		1		1	1	1		
15.ReIvw,Cond BUT Pre=NoCon		9	10	3						
16.ReIvw,NoCond BUT Pre=Con			1	2			1		2	

Value	w11	w12	w13	w14	w15	w16
1.NewIvw: have had [ever]	331	178	4558	181	172	2760
2.ReIvw,NoCond: have had si	16758	15447	13508	14295	12929	10785
3.ReIvw,Cond: last time sai	2514	2451	2266	2257	2107	1879
4.ReIvw,Cond: skip question						
5.ReIvw/NewR: have ever had	753	655	569	369	490	356
10.Ovrlap-93Ivw: have had [						
11.ReIvw BUT Pre=NewIvw: ha	188	5	9	34	23	6
12.NewIvw BUT Pre=ReIvw,NoC						
15.ReIvw,Cond BUT Pre=NoCon	8	9	2	8		1
16.ReIvw,NoCond BUT Pre=Con	2	2		2	2	

SwCANCRQ: Q-wording cancer this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
1.NewIvw: have had [ever]	9900	4319	240	3503	246	209	2484	198	139	4096
2.ReIvw,NoCond: have had si		8209	10748	9562	11311	9641	8709	9603	8733	7682
3.ReIvw,Cond: last time sai			922	909	1168	1134	1195	1259	1298	1239
4.ReIvw,Cond: skip question		423								
5.ReIvw/NewR: have ever had						648	577	668	474	485
10.Ovrlap-93Ivw: have had [		104								
11.ReIvw BUT Pre=NewIvw: ha			1	3	5	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		28		1		1	1	1		
15.ReIvw,Cond BUT Pre=NoCon		7	5	1						
16.ReIvw,NoCond BUT Pre=Con			1	1			1		2	

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.NewIvw: have had [ever]	313	167	2517	176	156	1221
2.ReIvw,NoCond: have had si	10134	9122	7725	7745	6925	5459
3.ReIvw,Cond: last time sai	1444	1336	1234	1204	1132	973
4.ReIvw,Cond: skip question						
5.ReIvw/NewR: have ever had	450	375	294	208	245	182
10.Ovrlap-93Ivw: have had [						
11.ReIvw BUT Pre=NewIvw: ha	137	5	8	21	19	5
12.NewIvw BUT Pre=ReIvw,NoC						
15.ReIvw,Cond BUT Pre=NoCon	5	7	1	3		
16.ReIvw,NoCond BUT Pre=Con	1			1		

RwLUNG: R reports lung disease this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		8	2	7	9	8	10	18	8	15
.J=Web interview, missing										
.M=Oth missing			2					1		
.R=RF		1	2		4	2	3	2	3	2
.T=Other			1							
.Y=Via preload+yes prev wv		879								
0.No	11634	17581	15971	19239	17574	16304	18077	16454	15223	19723
1.Yes	1018	1173	1751	1932	1792	1761	1900	1869	1872	2197
3.Disp prev record and has					10	1	4	2	3	6
4.Disp prev record and no c					189	89	135	123	108	91
5.Disp prev record (DK if c			262	206						
6.Preld prob:prev had/no ne										

Value	w11	w12	w13	w14	w15	w16
.D=DK	8	16	21	4	8	10
.J=Web interview, missing				8	6	6
.M=Oth missing	1		1			2
.R=RF	1	2	3	1	2	1
.T=Other						
.Y=Via preload+yes prev wv						
0.No	18283	16639	18647	15219	13930	14094
1.Yes	2120	1982	2122	1845	1721	1614
3.Disp prev record and has	4	3	3			
4.Disp prev record and no c	137	105	115	52	33	35
5.Disp prev record (DK if c						
6.Preld prob:prev had/no ne				17	23	25

SwLUNG: S reports lung disease this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		5	1	2	5	4	3	7	5	4
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF		1			2	2		1	2	2
.T=Other			1							
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
.Y=Via preload+yes prev wv		614								
0.No	9157	11813	10686	12730	11575	10603	11824	10632	9582	12308
1.Yes	743	657	1072	1121	1043	982	1057	1027	1002	1155
3.Disp prev record and has					4	1	3	2	1	1
4.Disp prev record and no c					101	47	85	66	54	43
5.Disp prev record (DK if c			155	127						
6.Preld prob:prev had/no ne										

Value	w11	w12	w13	w14	w15	w16
.D=DK	3	4	8	3	6	2
.J=Web interview, missing				4	2	4
.M=Oth missing	1					2
.R=RF		1	2			1
.T=Other						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.Y=Via preload+yes prev wv						
0.No	11317	9985	10739	8515	7711	7190
1.Yes	1102	970	978	805	737	629
3.Disp prev record and has	2	2	1			
4.Disp prev record and no c	59	50	51	25	13	7
5.Disp prev record (DK if c						
6.Preld prob:prev had/no ne				6	8	5

RwLUNGQ: Q-wording lung disease this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw: have had [ever]	12652	8189	270	5090	264	226	3471	207	143	6439
2.ReIvw,NoCond: have had si		10433	16000	14793	17679	15465	14257	15675	14696	13232
3.ReIvw,Cond: last time sai			1717	1479	1629	1393	1436	1560	1562	1475
4.ReIvw,Cond: skip question		879								
5.ReIvw/NewR: have ever had						1072	959	1020	816	877
7.Skipped Have You Ever Had										
10.Ovrlap-93Ivw: have had [		107								
11.ReIvw BUT Pre=NewIvw: ha			2	3	6	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		29		1		1		1		
13.NewIvw BUT Pre=ReIvw,Con							1			
15.ReIvw,Cond BUT Pre=NoCon		5	2	3		2				
16.ReIvw,NoCond BUT Pre=Con				15						

Value	w11	w12	w13	w14	w15	w16
1.NewIvw: have had [ever]	331	178	4558	181	172	2760
2.ReIvw,NoCond: have had si	17428	16183	14228	14956	13557	11354
3.ReIvw,Cond: last time sai	1828	1694	1528	1560	1442	1267
4.ReIvw,Cond: skip question						
5.ReIvw/NewR: have ever had	753	655	569	369	490	356
7.Skipped Have You Ever Had				15	23	25
10.Ovrlap-93Ivw: have had [						
11.ReIvw BUT Pre=NewIvw: ha	188	5	9	34	23	6
12.NewIvw BUT Pre=ReIvw,NoC						

13.NewIvw BUT Pre=ReIvw,Con						
15.ReIvw,Cond BUT Pre=NoCon	25	15	16	27	9	17
16.ReIvw,NoCond BUT Pre=Con	1	17	4	4	7	2

SwLUNGQ: Q-wording lung disease this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
1.NewIvw: have had [ever]	9900	4319	240	3503	246	209	2484	198	139	4096
2.ReIvw,NoCond: have had si		8023	10633	9594	11559	10003	9115	10028	9212	8145
3.ReIvw,Cond: last time sai			1043	868	920	770	790	834	821	776
4.ReIvw,Cond: skip question		614								
5.ReIvw/NewR: have ever had						648	577	668	474	485
7.Skipped Have You Ever Had										
10.Ovrlap-93Ivw: have had [		104								
11.ReIvw BUT Pre=NewIvw: ha			1	3	5	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		28		1		1		1		
13.NewIvw BUT Pre=ReIvw,Con							1			
15.ReIvw,Cond BUT Pre=NoCon		2		1		2				
16.ReIvw,NoCond BUT Pre=Con				10						

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.NewIvw: have had [ever]	313	167	2517	176	156	1221
2.ReIvw,NoCond: have had si	10636	9628	8264	8249	7432	5923
3.ReIvw,Cond: last time sai	936	818	689	683	611	496
4.ReIvw,Cond: skip question						
5.ReIvw/NewR: have ever had	450	375	294	208	245	182
7.Skipped Have You Ever Had				6	8	5
10.Ovrlap-93Ivw: have had [						
11.ReIvw BUT Pre=NewIvw: ha	137	5	8	21	19	5
12.NewIvw BUT Pre=ReIvw,NoC						
13.NewIvw BUT Pre=ReIvw,Con						
15.ReIvw,Cond BUT Pre=NoCon	11	7	6	13	2	7
16.ReIvw,NoCond BUT Pre=Con	1	12	1	2	4	1

RwHEART: R reports heart prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		10	1	13	4	10	19	17	14	19
.J=Web interview, missing										
.M=Oth missing			2					1		
.R=RF			2		4	2	2	2	4	2
0.No	10986	16422	13601	16368	15030	13481	15174	13572	12501	16786
1.Yes	1666	3210	4119	4307	4374	4551	4789	4700	4511	5081
3.Disp prev record and has					6	3	3	2	4	2
4.Disp prev record and no c					160	118	142	175	183	144
5.Disp prev record (DK if c			266	179						
6.Preld prob:prev had/no ne				517						

Value	w11	w12	w13	w14	w15	w16
.D=DK	16	22	22	11	13	12
.J=Web interview, missing				2	4	4
.M=Oth missing	1		1			1
.R=RF	2	2	2	2	3	2
0.No	15404	13881	16025	12944	11841	11887
1.Yes	4960	4693	4693	4038	3714	3767

3.Disp prev record and has		4	4			
4.Disp prev record and no c	171	145	165	71	47	58
5.Disp prev record (DK if c						
6.Preld prob:prev had/no ne				78	101	56

SwHEART: S reports heart prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		4		5	1	4	7	3	8	9
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF					2	2		1	2	1
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	8614	11313	9257	10972	9990	8887	10053	8887	7927	10495
1.Yes	1286	1773	2504	2655	2638	2686	2827	2748	2617	2930
3.Disp prev record and has					3	2	1	1	3	1
4.Disp prev record and no c					96	58	84	95	89	77
5.Disp prev record (DK if c			154	98						
6.Preld prob:prev had/no ne				250						

Value	w11	w12	w13	w14	w15	w16
.D=DK	7	9	6	1	6	5
.J=Web interview, missing				1	2	2
.M=Oth missing	1					1
.R=RF	1	1	1			2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	9569	8357	9243	7232	6525	6014
1.Yes	2827	2572	2450	2052	1881	1758
3.Disp prev record and has		2	4			
4.Disp prev record and no c	79	71	75	33	16	32
5.Disp prev record (DK if c						
6.Preld prob:prev had/no ne				39	47	26

RwHEARTQ: Q-wording heart prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw: have had [ever]	12652	8188	270	5090	264	226	3471	207	143	6439
2.ReIvw,NoCond: have had si		9813	14070	12790	15646	13195	12058	13336	12412	11180
3.ReIvw,Cond: last time sai			3645	2570	3660	3460	3634	3899	3844	3527
5.ReIvw/NewR: have ever had						1072	959	1020	816	877
6.ReIvw,Cond: told had sinc		1442								
7.Skipped Have You Ever Had										
10.Ovrlap-93Ivw: have had [		107								
11.ReIvw BUT Pre=NewIvw: ha			2	3	6	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		15		1		1		1		
13.NewIvw BUT Pre=ReIvw,Con							1			
15.ReIvw,Cond BUT Pre=NoCon		6	3	906	2				1	
16.ReIvw,NoCond BUT Pre=Con			1	24		205	1		1	
18.NewIvw BUT Pre=ReIvw,Con		15								
19.ReIvw,NoCond BUT Pre=Con		56								

Value	w11	w12	w13	w14	w15	w16
1.NewIvw: have had [ever]	331	178	4558	181	172	2760
2.ReIvw,NoCond: have had si	15030	13875	12134	13014	11780	9856
3.ReIvw,Cond: last time sai	4202	3994	3591	3438	3114	2736
5.ReIvw/NewR: have ever had	753	655	569	369	490	356
6.ReIvw,Cond: told had sinc						

7.Skipped Have You Ever Had				73	101	56
10.Ovrlap-93Ivw: have had [						
11.ReIvw BUT Pre=NewIvw: ha	188	5	9	34	23	6
12.NewIvw BUT Pre=ReIvw,NoC						
13.NewIvw BUT Pre=ReIvw,Con						
15.ReIvw,Cond BUT Pre=NoCon	50	40	50	30	16	14
16.ReIvw,NoCond BUT Pre=Con			1	7	27	3
18.NewIvw BUT Pre=ReIvw,Con						
19.ReIvw,NoCond BUT Pre=Con						

SwHEARTQ: Q-wording heart prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
1.NewIvw: have had [ever]	9900	4318	240	3503	246	209	2484	198	139	4096
2.ReIvw,NoCond: have had si		7526	9474	8418	10247	8609	7770	8589	7825	6894
3.ReIvw,Cond: last time sai			2201	1611	2230	2077	2135	2273	2208	2027
5.ReIvw/NewR: have ever had						648	577	668	474	485
6.ReIvw,Cond: told had sinc		1071								
7.Skipped Have You Ever Had										
10.Ovrlap-93Ivw: have had [		104								
11.ReIvw BUT Pre=NewIvw: ha			1	3	5	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		14		1		1		1		
13.NewIvw BUT Pre=ReIvw,Con							1			
15.ReIvw,Cond BUT Pre=NoCon		3	1	441	2					
16.ReIvw,NoCond BUT Pre=Con				3		89				
18.NewIvw BUT Pre=ReIvw,Con		15								
19.ReIvw,NoCond BUT Pre=Con		39								

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.NewIvw: have had [ever]	313	167	2517	176	156	1221
2.ReIvw,NoCond: have had si	9177	8263	7045	7167	6413	5084
3.ReIvw,Cond: last time sai	2379	2183	1893	1736	1572	1317
5.ReIvw/NewR: have ever had	450	375	294	208	245	182
6.ReIvw,Cond: told had sinc						
7.Skipped Have You Ever Had				37	47	26
10.Ovrlap-93Ivw: have had [						
11.ReIvw BUT Pre=NewIvw: ha	137	5	8	21	19	5
12.NewIvw BUT Pre=ReIvw,NoC						
13.NewIvw BUT Pre=ReIvw,Con						
15.ReIvw,Cond BUT Pre=NoCon	28	19	22	10	7	5
16.ReIvw,NoCond BUT Pre=Con				3	18	
18.NewIvw BUT Pre=ReIvw,Con						
19.ReIvw,NoCond BUT Pre=Con						

RwSTROK: R reports stroke this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		4	4	8	2	8	6	12	10	11
.J=Web interview, missing										
.M=Oth missing			2					1		
.R=RF			2		5	2	1	2	4	3
.Y=Via preload+yes prev wv		323								
0.No	12257	18384	16679	19792	18088	16718	18627	16988	15765	20338
1.Yes	395	792	1106	1363	1318	1273	1327	1298	1284	1523
2.TIA/possible stroke		139	130	167	123	146	141	126	124	127
3.Disp prev record and has					4	2	2	3	1	2
4.Disp prev record and no c					38	16	25	39	29	30
5.Disp prev record (DK if c			68	54						

Value	w11	w12	w13	w14	w15	w16
.D=DK	9	17	12	2	8	6
.J=Web interview, missing				6	3	7
.M=Oth missing	1		1			2
.R=RF	1	3	1	2	2	3
.Y=Via preload+yes prev wv						
0.No	18850	17154	19264	15762	14419	14419
1.Yes	1546	1437	1479	1353	1263	1246
2.TIA/possible stroke	103	93	112	1	3	80
3.Disp prev record and has	2	4	1			
4.Disp prev record and no c	42	39	42	20	25	24
5.Disp prev record (DK if c						

SwSTROK: S reports stroke this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		2	2	3	1	2	2	5	4	5
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF					2	2		1	2	2
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
.Y=Via preload+yes prev wv		241								
0.No	9604	12379	11184	13127	11934	10898	12198	10955	9919	12672
1.Yes	296	393	632	739	714	650	694	694	658	763
2.TIA/possible stroke		75	62	80	57	73	69	63	55	61
3.Disp prev record and has					2	2				1
4.Disp prev record and no c					20	12	9	17	8	9
5.Disp prev record (DK if c			35	31						

Value	w11	w12	w13	w14	w15	w16
.D=DK	4	5	4		1	1
.J=Web interview, missing				4	1	5
.M=Oth missing	1					1
.R=RF		2	1			2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.Y=Via preload+yes prev wv						
0.No	11654	10253	11003	8729	7903	7278
1.Yes	746	691	692	613	563	515
2.TIA/possible stroke	55	40	58		1	32
3.Disp prev record and has	1	2				
4.Disp prev record and no c	23	19	21	12	8	6
5.Disp prev record (DK if c						

RwSTROKQ: Q-wording stroke this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw: have had [ever]	12652	8189	270	5090	264	226	3471	207	143	6439
2.ReIvw,NoCond: have had si		10984	16733	15318	18113	15866	14684	16177	15200	13728
3.ReIvw,Cond: last time sai			869	921	1063	908	910	962	971	892
4.ReIvw,Cond: skip question		323								
5.ReIvw/NewR: have ever had						1072	959	1020	816	877
10.Ovrlap-93Ivw: have had [		107								
11.ReIvw BUT Pre=NewIvw: ha			2	3	6	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		29		1		1	1	1		
15.ReIvw,Cond BUT Pre=NoCon		10	116	51	132	86	99	96	87	87
16.ReIvw,NoCond BUT Pre=Con			1							

Value	w11	w12	w13	w14	w15	w16
1.NewIvw: have had [ever]	331	178	4558	181	172	2760
2.ReIvw,NoCond: have had si	18017	16681	14670	15440	14044	11781
3.ReIvw,Cond: last time sai	1174	1151	1029	1045	983	877
4.ReIvw,Cond: skip question						
5.ReIvw/NewR: have ever had	753	655	569	369	490	356
10.Ovrlap-93Ivw: have had [						
11.ReIvw BUT Pre=NewIvw: ha	188	5	9	34	23	6
12.NewIvw BUT Pre=ReIvw,NoC						
15.ReIvw,Cond BUT Pre=NoCon	90	77	75	73	10	7
16.ReIvw,NoCond BUT Pre=Con	1		2	4	1	

SwSTROKQ: Q-wording stroke this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
1.NewIvw: have had [ever]	9900	4319	240	3503	246	209	2484	198	139	4096
2.ReIvw,NoCond: have had si		8398	11124	9950	11839	10257	9371	10295	9488	8430
3.ReIvw,Cond: last time sai			496	504	571	473	479	516	498	450
4.ReIvw,Cond: skip question		241								
5.ReIvw/NewR: have ever had						648	577	668	474	485
10.Ovrlap-93Ivw: have had [		104								
11.ReIvw BUT Pre=NewIvw: ha			1	3	5	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		28		1		1	1	1		
15.ReIvw,Cond BUT Pre=NoCon			56	19	69	45	55	51	47	41
16.ReIvw,NoCond BUT Pre=Con										

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.NewIvw: have had [ever]	313	167	2517	176	156	1221
2.ReIvw,NoCond: have had si	10965	9874	8435	8449	7620	6061
3.ReIvw,Cond: last time sai	574	548	486	463	435	369
4.ReIvw,Cond: skip question						
5.ReIvw/NewR: have ever had	450	375	294	208	245	182
10.Ovrlap-93Ivw: have had [						
11.ReIvw BUT Pre=NewIvw: ha	137	5	8	21	19	5
12.NewIvw BUT Pre=ReIvw,NoC						
15.ReIvw,Cond BUT Pre=NoCon	44	43	38	39	2	2
16.ReIvw,NoCond BUT Pre=Con	1		1	2		

RwPSYCH: R reports psych prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		2	7	12	6	6	20	18	15	31
.J=Web interview, missing										
.M=Oth missing			2					1		
.R=RF		5	3	1	3	4	11	3	3	5
.T=Other			1							
.Y=Via preload+yes prev wv		1193								
0.No	11283	17090	15089	18086	16402	15115	16624	15023	13907	17826
1.Yes	1369	1352	2467	2998	2873	2862	3215	3227	3100	4002
3.Disp prev record and has					7	7	11	3	5	13
4.Disp prev record and no c					287	171	248	194	187	157
5.Disp prev record (DK if c			422	287						
6.Preld prob:prev had/no ne										

Value	w11	w12	w13	w14	w15	w16
.D=DK	27	22	20	8	9	12
.J=Web interview, missing				6	9	6
.M=Oth missing	1		1			4
.R=RF	3	8	5	3	4	2
.T=Other						
.Y=Via preload+yes prev wv						
0.No	16442	14891	16547	13421	12243	12213
1.Yes	3881	3658	4174	3575	3323	3442
3.Disp prev record and has	10	3	4			
4.Disp prev record and no c	190	165	161	37	29	32
5.Disp prev record (DK if c						
6.Preld prob:prev had/no ne				96	106	76

SwPSYCH: S reports psych prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		2	1	7	2	1	11	8	7	10
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF		3		1	1	3	8	2	2	1
.T=Other			1							
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
.Y=Via preload+yes prev wv		763								
0.No	8982	11542	10203	12120	10952	9976	11077	9876	8912	11342
1.Yes	918	780	1453	1684	1613	1556	1742	1738	1623	2085
3.Disp prev record and has					3	5	6	1	3	4
4.Disp prev record and no c					159	98	128	110	99	71
5.Disp prev record (DK if c			257	168						
6.Preld prob:prev had/no ne										

Value	w11	w12	w13	w14	w15	w16
.D=DK	13	10	5	2	1	3
.J=Web interview, missing				4	5	4
.M=Oth missing	1					2
.R=RF		2	1	1		2
.T=Other						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.Y=Via preload+yes prev wv						
0.No	10384	9103	9741	7678	6929	6404
1.Yes	1997	1818	1952	1608	1480	1377
3.Disp prev record and has	4	3	3			

4.Disp prev record and no c	85	76	77	15	11	10				
5.Disp prev record (DK if c										
6.Preld prob:prev had/no ne				50	51	38				

RwPSYCHQ: Q-wording psych prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw: have had [ever]	12652	8189	270	5090	264	226	3471	207	143	6439
2.ReIvw,NoCond: have had si		10109	15419	14078	16662	14467	13259	14510	13510	12108
3.ReIvw,Cond: last time sai			2285	2201	2642	2392	2434	2725	2748	2599
4.ReIvw,Cond: skip question		1193								
5.ReIvw/NewR: have ever had						1072	959	1020	816	877
7.Skipped Have You Ever Had										
10.Ovrlap-93Ivw: have had [		107								
11.ReIvw BUT Pre=NewIvw: ha			2	3	6	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		29		1		1		1		
13.NewIvw BUT Pre=ReIvw,Con							1			
15.ReIvw,Cond BUT Pre=NoCon		15	1	3						
16.ReIvw,NoCond BUT Pre=Con			14	8	4	1				

Value	w11	w12	w13	w14	w15	w16
1.NewIvw: have had [ever]	331	178	4558	181	172	2760
2.ReIvw,NoCond: have had si	15799	14560	12717	13293	11960	9919
3.ReIvw,Cond: last time sai	3468	3326	3037	3155	2935	2652
4.ReIvw,Cond: skip question						
5.ReIvw/NewR: have ever had	753	655	569	369	490	356
7.Skipped Have You Ever Had				92	106	76
10.Ovrlap-93Ivw: have had [						
11.ReIvw BUT Pre=NewIvw: ha	188	5	9	34	23	6
12.NewIvw BUT Pre=ReIvw,NoC						
13.NewIvw BUT Pre=ReIvw,Con						
15.ReIvw,Cond BUT Pre=NoCon	12	23	17	13	5	12
16.ReIvw,NoCond BUT Pre=Con	3		5	9	32	6

SwPSYCHQ: Q-wording psych prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
1.NewIvw: have had [ever]	9900	4319	240	3503	246	209	2484	198	139	4096
2.ReIvw,NoCond: have had si		7870	10304	9225	11012	9464	8597	9427	8599	7583
3.ReIvw,Cond: last time sai			1363	1241	1467	1311	1308	1435	1434	1338
4.ReIvw,Cond: skip question		763								
5.ReIvw/NewR: have ever had						648	577	668	474	485
7.Skipped Have You Ever Had										
10.Ovrlap-93Ivw: have had [		104								
11.ReIvw BUT Pre=NewIvw: ha			1	3	5	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		28		1		1		1		
13.NewIvw BUT Pre=ReIvw,Con							1			
15.ReIvw,Cond BUT Pre=NoCon		6		2						
16.ReIvw,NoCond BUT Pre=Con			9	5						

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.NewIvw: have had [ever]	313	167	2517	176	156	1221
2.ReIvw,NoCond: have had si	9824	8813	7518	7499	6698	5331
3.ReIvw,Cond: last time sai	1753	1645	1431	1398	1291	1059
4.ReIvw,Cond: skip question						

5.ReIvw/NewR: have ever had	450	375	294	208	245	182
7.Skipped Have You Ever Had				47	51	38
10.Ovrlap-93Ivw: have had [						
11.ReIvw BUT Pre=NewIvw: ha	137	5	8	21	19	5
12.NewIvw BUT Pre=ReIvw,NoC						
13.NewIvw BUT Pre=ReIvw,Con						
15.ReIvw,Cond BUT Pre=NoCon	5	7	8	7	2	2
16.ReIvw,NoCond BUT Pre=Con	2		3	2	15	2

RwARTHR: R reports arthritis this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		11	4	21	9	24	23	16	23	39
.J=Web interview, missing										
.M=Oth missing			2					1		
.R=RF			2	1	6	2	2	2	4	3
.T=Other			1							
.Y=Via preload+yes prev wv		4241								
0.No	7880	12348	8497	9772	8116	7045	8349	7169	6301	9775
1.Yes	4772	3042	9101	11257	11116	10840	11472	11037	10587	11997
3.Disp prev record and has					14	9	9	6	5	8
4.Disp prev record and no c					317	245	274	238	297	212
5.Disp prev record (DK if c			384	333						
6.Preld prob:prev had/no ne										

Value	w11	w12	w13	w14	w15	w16
.D=DK	25	31	30	7	12	12
.J=Web interview, missing				5	8	1
.M=Oth missing	1		1			1
.R=RF	1	4	4	2	1	2
.T=Other						
.Y=Via preload+yes prev wv						
0.No	8583	7478	9326	7083	6266	6606
1.Yes	11669	11017	11317	9931	9279	9086
3.Disp prev record and has	5	1	4			
4.Disp prev record and no c	270	216	230	77	84	50
5.Disp prev record (DK if c						
6.Preld prob:prev had/no ne				41	73	29

SwARTHR: S reports arthritis this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		5	4	9	6	11	12	4	12	15
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF				1	2	2	1	1	2	1
.T=Other			1							
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
.Y=Via preload+yes prev wv		3076								
0.No	6323	8327	5989	6921	5764	4883	5874	5004	4280	6473
1.Yes	3577	1682	5643	6834	6746	6580	6916	6590	6167	6896
3.Disp prev record and has					9	6	7	3	2	3
4.Disp prev record and no c					203	157	162	133	183	125
5.Disp prev record (DK if c			278	215						
6.Preld prob:prev had/no ne										

Value	w11	w12	w13	w14	w15	w16
.D=DK	10	10	9	4	5	2
.J=Web interview, missing				3	6	
.M=Oth missing	1					
.R=RF		1	1			2
.T=Other						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.Y=Via preload+yes prev wv						
0.No	5679	4868	5732	4265	3744	3589
1.Yes	6634	6020	5922	5041	4644	4204
3.Disp prev record and has	3		2			
4.Disp prev record and no c	157	113	113	32	39	29
5.Disp prev record (DK if c						
6.Preld prob:prev had/no ne				13	39	14

RwARTHRQ: Q-wording arthritis this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw: have had [ever]	12652	8189	270	5090	264	226	3471	207	143	6439
2.ReIvw,NoCond: have had si		7044	11104	8148	9209	7435	6357	7346	6584	5741
3.ReIvw,Cond: last time sai			6612	8136	10099	9421	9336	9889	9674	8966
4.ReIvw,Cond: skip question		4241								
5.ReIvw/NewR: have ever had						1072	959	1020	816	877
7.Skipped Have You Ever Had										
8.New interview R reported										
10.Ovrlap-93Ivw: have had [		107								
11.ReIvw BUT Pre=NewIvw: ha			2	3	6	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		29		1				1		
13.NewIvw BUT Pre=ReIvw,Con						1	1			
15.ReIvw,Cond BUT Pre=NoCon		32	3	4		4				
16.ReIvw,NoCond BUT Pre=Con				2						

Value	w11	w12	w13	w14	w15	w16
1.NewIvw: have had [ever]	331	178	4558	181	172	2759
2.ReIvw,NoCond: have had si	8724	7805	6604	7492	6476	5215
3.ReIvw,Cond: last time sai	10540	10093	9146	9007	8468	7414
4.ReIvw,Cond: skip question						
5.ReIvw/NewR: have ever had	753	655	569	369	490	356
7.Skipped Have You Ever Had				39	73	27
8.New interview R reported						2
10.Ovrlap-93Ivw: have had [						

11.ReIvw BUT Pre=NewIvw: ha	188	5	9	34	23	5
12.NewIvw BUT Pre=ReIvw,NoC						
13.NewIvw BUT Pre=ReIvw,Con						
15.ReIvw,Cond BUT Pre=NoCon	16	10	10	11	5	6
16.ReIvw,NoCond BUT Pre=Con	2	1	16	13	16	3

SwARTHRQ: Q-wording arthritis this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
1.NewIvw: have had [ever]	9900	4319	240	3503	246	209	2484	198	139	4096
2.ReIvw,NoCond: have had si		5545	7396	5591	6435	5117	4338	5038	4432	3798
3.ReIvw,Cond: last time sai			4280	4877	6044	5656	5567	5824	5601	5123
4.ReIvw,Cond: skip question		3076								
5.ReIvw/NewR: have ever had						648	577	668	474	485
7.Skipped Have You Ever Had										
8.New interview R reported										
10.Ovrlap-93Ivw: have had [		104								
11.ReIvw BUT Pre=NewIvw: ha			1	3	5	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		28		1				1		
13.NewIvw BUT Pre=ReIvw,Con						1	1			
15.ReIvw,Cond BUT Pre=NoCon		18		3		2				
16.ReIvw,NoCond BUT Pre=Con				2						

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.NewIvw: have had [ever]	313	167	2517	176	156	1220
2.ReIvw,NoCond: have had si	5643	4985	4166	4417	3805	2937
3.ReIvw,Cond: last time sai	5928	5474	4785	4512	4206	3478
4.ReIvw,Cond: skip question						
5.ReIvw/NewR: have ever had	450	375	294	208	245	182
7.Skipped Have You Ever Had				13	39	13
8.New interview R reported						1
10.Ovrlap-93Ivw: have had [						
11.ReIvw BUT Pre=NewIvw: ha	137	5	8	21	19	5
12.NewIvw BUT Pre=ReIvw,NoC						
13.NewIvw BUT Pre=ReIvw,Con						
15.ReIvw,Cond BUT Pre=NoCon	11	5	5	8	2	4
16.ReIvw,NoCond BUT Pre=Con	2	1	4	3	5	

RwSLEEP: R reports sleep disorder this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK			29	45	49	47
.J=Web interview, missing				4	6	3
.M=Oth missing			1			
.R=RF			1	7	3	1
0.No			17656	14368	13029	12814
1.Yes			3225	2722	2636	2922

SwSLEEP: S reports sleep disorder this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										
.J=Web interview, missing										
.R=RF										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK			12	18	15	16
.J=Web interview, missing				3	3	2
.R=RF			1	3	1	1
.U=Unmarried			8024	6678	6193	6541
.V=Spouse NR			1109	1110	1053	1406
0.No			9945	7833	7009	6380
1.Yes			1821	1501	1449	1441

RwSLEEPQ: Q-wording sleep disorder this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw/ReIvw: have had [e										
2.ReIvw,NoCond: have had si										
3.ReIvw,Cond: last time sai										
11.ReIvw BUT Pre=NewIvw: ha										

Value	w11	w12	w13	w14	w15	w16
1.NewIvw/ReIvw: have had [e			20912	542	402	2843
2.ReIvw,NoCond: have had si				13632	12810	10739
3.ReIvw,Cond: last time sai				2530	2415	2175
11.ReIvw BUT Pre=NewIvw: ha				442	96	30

SwSLEEPQ: Q-wording sleep disorder this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried										
.V=Spouse NR										
1.NewIvw/ReIvw: have had [e										
2.ReIvw,NoCond: have had si										
3.ReIvw,Cond: last time sai										
11.ReIvw BUT Pre=NewIvw: ha										

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried			8024	6678	6193	6541
.V=Spouse NR			1109	1110	1053	1406
1.NewIvw/ReIvw: have had [e			11779	334	259	1257
2.ReIvw,NoCond: have had si				7408	6873	5446
3.ReIvw,Cond: last time sai				1380	1301	1124
11.ReIvw BUT Pre=NewIvw: ha				236	44	13

Format Reference Tables – complete variable value labels

Variables: ALZHE, ARTHR, CANCR, DEMEN, DIAB, HEART, HIBP, LUNG, MEMRY, PSYCH, SLEEP, STROK	Variables: ALZHEQ, ARTHRQ, CANCRQ, DEMENQ, DIABQ, HEARTQ, HIBPQ, LUNGQ, MEMRYQ, PSYCHQ, STROKQ
.D=DK	.T=Other
.J=Web interview, missing	.U=Unmarried
.M=Oth missing	.V=Spouse NR
.P=Preload yes,but no prv wv	1.NewIvw: have had [ever]
.R=RF	2.ReIvw,NoCond: have had since last Ivw
.S=Skip	3.ReIvw,Cond: last time said had
.T=Other	4.ReIvw,Cond: skip question
.U=Unmarried	5.ReIvw/NewR: have ever had
.V=Spouse NR	6.ReIvw,Cond: told had since last Ivw
.Y=Via preload+yes prev wv	7.Skipped Have You Ever Had Condition question
0.No	8.New interview R reported EVER HAD but no longer have
1.Yes	10.Ovrlap-93Ivw: have had [ever]
2.TIA/possible stroke	11.ReIvw BUT Pre=NewIvw: have had [ever]
3.Disp prev record and has cond	12.NewIvw BUT Pre=ReIvw,NoCond: have had since last Ivw
4.Disp prev record and no cond	13.NewIvw BUT Pre=ReIvw,Cond: last time said had
5.Disp prev record (DK if cond)	14.NewIvw BUT Pre=ReIvw,Cond: skip question
6.Preld prob:prev had/no new	15.ReIvw,Cond BUT Pre=NoCond: have had since last Ivw
7.Not Alzheimer's disease	16.ReIvw,NoCond BUT Pre=Cond: last time said had
	17.ReIvw,NoCond BUT Pre=Cond: Skip question
	18.NewIvw BUT Pre=ReIvw,Cond: told had since last Ivw
	19.ReIvw,NoCond BUT Pre=Cond: told had since last Ivw
	20.DEMEN only: have ALZHE, skip question

How Constructed

RwHIBP, RwDIAB, RwCANCR, RwLUNG, RwHEART, RwSTROK, RwPSYCH, RwARTHR, and RwSLEEP indicate the raw response to the question regarding whether or not a doctor has told the Respondent they had these conditions. The exact question wording depends on whether this is a first interview and whether the condition was reported at a prior interview. Additionally, for all of these variables with the exception of RwSLEEP, the question asked is also conditional on whether the person being interviewed is the same as in the prior interview. RwHIBPQ, RwDIABQ, RwCANCRQ, RwLUNGQ, RwHEARTQ, RwSTROKQ, RwPSYCHQ, RwARTHRQ, and RwSLEEPQ indicate the question wording used, based on preload variables, and whether the preloaded information is correct.

The conditions are 1) high blood pressure or hypertension; 2) diabetes or high blood sugar; 3) cancer or a malignant tumor of any kind except skin cancer; 4) chronic lung disease except asthma such as chronic bronchitis or emphysema; 5) heart attack, coronary heart disease, angina, congestive heart failure, or other heart problems; 6) stroke or transient ischemic attack (TIA); 7) emotional, nervous, or psychiatric problems; 8) arthritis or rheumatism; and 9) sleep disorders.

The question wording is one of the following (main codes in "Q" variables are given in parentheses):

If new interview, or from Wave 6 forward, new person answering questions (1.NewIvw or 5.ReIvw/NewR): "Has a doctor ever told you that you have ..."

If reinterview and no prior report of condition (2.ReIvw,NoCond): "Since we last talked to you (on R's last interview date), has a doctor told you that you have ..."

From Wave 14 forward, if: (1) reinterview, (2) same reporter, and (3) prior report of condition, the interviewer assigns "1" to the initial condition question and skips the Respondent to the follow-up question. The Respondent may dispute reporting previously having had a condition in the follow-up question. When this happens, the interviewer retroactively codes the first condition question as a hidden value with either "4.Never had condition" or "6.Had condition before, but do not have it now." Beginning with Wave 14, there is no longer the option to dispute a preload value indicating the Respondent reported NOT having the condition previously ("3.Disputes previous wave record, but now has condition").

From Waves 3 to 13, if reinterview and prior report of condition (3.ReIvw,Cond): "Our records from your last interview show that you have had ...," and the Respondent has the opportunity to dispute the statement.

In Wave 2H, if it is a reinterview and the condition is reported in Wave 1 (4.ReIvw,Cond), the question is skipped, except for the heart condition question which asks about the time since last interview (6.ReIvw,Cond: told had since last Ivw). Wave 2A is the first wave for AHEAD Respondents so they are all new interviews.

In Wave 2A, the HRS-AHEAD overlap cases are treated as though this is their first interview. These cases have a Wave 1 interview as part of the HRS cohort, but because of their ages, are given to AHEAD in 1993. So in both 1992 and 1993, they are asked: "Has a doctor ever told you that you have...." These cases are assigned a code of "10" in Wave 2A. They may or may not have reported having the condition in Wave 1.

The "Q" variables have additional codes that indicate situations where the preload variables determine the question wording, but do not agree with the actual situation in prior waves. For example, "11" means that the Respondent has a prior interview, but the preload indicates this is a new interview, so the question asks if the Respondent has ever been told about a condition, and "15" means that the Respondent previously reported having a condition but the preload indicates a prior interview and no condition, so the question asks if the Respondent has been told about a condition since last interview. In the latter case, an answer of "No" is consistent with having been told of the condition at or before the last interview, but not since. Codes "18" and "19" apply only to the question about a heart condition in Wave 2H.

RwHIBP, RwDIAB, RwCANCR, RwLUNG, RwHEART, RwSTROK, RwPSYCH, and RwARTHR are recoded to reflect the answer given. Note that there is not an option to dispute a prior report of RwSLEEP, and therefore, no values are recoded. The meaning of the answer depends on the question asked, so the analyst may want to consider these variables in conjunction with the corresponding "Q" variables. Generally, a "1" means "yes" and "0" means "no." Note that for a re-interview, when the condition was previously reported, a "1" in this variable simply means the Respondent did not dispute the statement about the records from last interview. In Waves 3 and 4, this can be disputed, but no follow-up as to whether the Respondent currently has the condition is done; these are assigned a code of "5." From Waves 5 through 13, the interviewer is asked to probe for current condition if the statement is disputed; these are assigned a code of "3" or "4," depending on whether the Respondent says they have the condition now or not, respectively. From Wave 14 forward and with the exception of RwSLEEP, the interviewer can retroactively assign "hidden" values of "4. Never had [condition]" or "6. Had [condition] before, but do not have it now..." if in the subsequent question the Respondent disputes a prior report of having had the condition.

In Wave 2H, if the question is skipped because the preload indicates the condition was reported in Wave 1, the condition variable is set to .Y if the condition is indeed reported in Wave 1, and .P if the condition is not reported in Wave 1. R4HEART is set to "6" if the raw variable indicates that the incorrect question is asked due to a preload problem, and the Respondent reports no condition since last interview. These cases had previously reported a heart condition.

SwHIBP, SwDIAB, SwCANCR, SwLUNG, SwHEART, SwSTROK, SwPSYCH, SwARTHR, SwHIBPQ, SwDIABQ, SwCANCRQ, SwLUNGQ, SwHEARTQ, SwSTROKQ, SwPSYCHQ, SwARTHRQ, and SwSLEEPQ give this information for the Respondent's spouse or partner.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3HIBP is taken from the Wave 3 spouse's R3HIBP variable.

Please see RwHIBPE, RwDIABE, RwCANCRE, RwLUNGE, RwHEARTE, RwSTROKE, RwPSYCHE, RwARTHRE, and RwSLEEPE for variables that indicate whether the Respondent has ever reported having these conditions. The "E" variables consider answers from all previous waves and not just the current one.

Please see the 'Change in Health' variables as well. Included there are variables that measure whether the individual conditions are new in a particular wave, i.e., reported as new since the last interview date. There is a summary measure for these new conditions as well.

Cross Wave Differences in Original HRS Data

A series of questions asks the Respondent if a doctor has ever diagnosed them with certain medical conditions. At a Respondent's first interview, the question asks:

"Has a doctor ever told you that you have ..."

From Wave 6 forward for all conditions except RwSLEEP, if the person answering the questions is new, the question is asked as though it were the first interview, regardless of what had been reported at prior interviews. Thus if the prior interview was given by the Respondent and the current is by proxy, or vice versa, or if both interviews are by proxy but conducted with different people, then this is treated like a first interview and the ever question wording is used. The sleep disorder question does not factor in proxy respondents. Respondents are only asked the "first interview" question if it is the Respondent's first time receiving the question.

At subsequent interviews, the question wording depends on whether the appropriate preloaded variable indicates that the Respondent has said yes to the condition at a prior interview. If not, the question wording is:

"Since we last talked to you in [last interview date], has a doctor told you that you have ..."

How Respondents are handled who had reported a condition at a prior interview varies across waves. In Wave 2H, if the preloaded variable indicates that the Respondent reported the condition in Wave 1, no question is asked for most conditions. For heart problems, the above question is asked regardless of the preloaded variable value; if the preloaded variable indicates a Wave 1 heart problem, it is prefaced by a statement that a heart condition has already been reported.

For Waves 3 through 13, if the preloaded variable indicates that the Respondent reported a condition at a prior interview, a statement is read:

"Our records from your last interview show that you have had ..."

No explicit question is asked. If the Respondent disputes the statement voluntarily, this is recorded, but no follow-up on the current diagnosis of the condition is asked in Waves 3 and 4. From Waves 5 through 13, if the Respondent disputes the statement, the interviewer is instructed to probe as to whether or not the Respondent has since been diagnosed with the condition. The dispute is recorded as "disputes previous wave record but now has the condition" or "disputes and does not have the condition," Most disputes are of the latter type. If the Respondent does not dispute the statement, the variable that indicates the diagnosis of the condition is set to "yes."

From Wave 14 forward and excluding questions about sleep disorders, the statement affirming the Respondent reported a condition at a prior interview is read in the subsequent question, again, with the interviewer retroactively coding a dispute in a "hidden" value for the initial question, "Have you ever..."

In Wave 4, an alternate variable is provided for the heart condition question (F1156A). Apparently a skip pattern problem in this wave causes some cases who had previously reported a heart condition to be asked if they'd been told they had one since last interview, and some respond "No." These cases are identified in F1156A.

In Wave 2A and from Wave 3 forward, a code for "possible stroke or transient ischemic attack (TIA)" is added, if the Respondent volunteered this information in answer to the question about strokes. This code is not available in Waves 1 and 2H. TIA is treated the same as a "yes" answer in deriving RwSTROKE (Ever had stroke), but is coded separately in RwSTROK.

The definition of "doctor" in Wave 6 was: Medical doctors include specialists such as: Dermatologists, Psychiatrists, Ophthalmologists, as well as general practitioners, and Osteopaths. Do not include Chiropractors, Dentists, or Nurses/Nurse Practitioners.

In Wave 7 this was expanded as follows: Medical doctors include specialists such as Dermatologists, Psychiatrists, Ophthalmologists, Osteopaths, Cardiologists, as well as family doctors, internists and physicians' assistants.

HRS Variables Used

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HRS 1992:
    V325            B6:EVER HI BLD PRESS:IMP
    V328            B7:EVER DIAB/HI BLD :IMP
    V337            B9: CANCER/MALIGN TU:IMP
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    V401            B15:CHRONIC LUNG DIS:IMP
    V406            B16:EVER HEART PROBL:IMP
    V417            B22:EVER HAD STROKE :IMP
    V422            B23:EMOT/NERV/PSYCH :IMP
    V426            B25:ARTHRITIS/RHEUMA:IMP
AHEAD 1993:
    B215            B3. HIGH BLOOD PRESSURE EVER
    B219            B4. DIABETES: NOW
    B225            B5. CANCER EVER
    B235            B6. LUNG DISEASE: EVER
    B242            B7. HEART CONDITION: EVER
    B252            B8. STROKE: EVER
    B259            B9. PSYCHIATRIC PROBLEMS: EVER
    B265            B10. ARTHRITIS: PAST 12 MONTHS
HRS 1994:
    W2RESP          HRS Wave 2 Status Flag
    W328            B6a.HIGH BLOOD PRESSURE
    W331            B7.DIABETES/HIGH BLOOD S
    W339            B9.CANCER/MALIGNANT TUMO
    W362            B14.CHRONIC LUNG DISEASE
    W367            B15.HEART PROBLEMS EVER
    W368            B15.HEART CONDITIONS
    W379            B21.STROKE
    W384            B23.EMOTIONAL/NERVOUS/PS
    W387            B24.ARTHRITIS/RHEUMATISM
AHEAD 1995:
    D109            W1 R HIGH BP V215
    D110            W1 DIABETES V219
    D111            W1 CANCER V225
    D112            W1 LUNG V235
    D113            W1 HEART V244/245/252
    D114            W1 STROKE V254
    D115            W1 PSYCHIATRIC V259
    D116            W1 ARTHRITIS V265
    D370            W1 INTERV
    D781            B3.  HIGH BLOOD PRESSURE
    D788            B4. DIABETES
    D801            B5.CANCER
    D818            B6. LUNG
    D828            B7. HEART CONDITION
    D848            B9. STROKE
    D861            B10. PSYCHIATRIC
    D866            B11. ARTHRITIS
HRS 1996:
    E109            PREV WAVE R HIGH BP V215
    E110            PREV WAVE DIABETES V219
    E111            PREV WAVE CANCER V225
    E112            PREV WAVE LUNG V235
    E113            PREV WAVE HEART V244/245/252
    E114            PREV WAVE STROKE V254
    E115            PREV WAVE PSYCHIATRIC V259
    E116            PREV WAVE ARTHRITIS V265
    E370            PREV WAVE INTERV
    E781            B3.  HIGH BLOOD PRESSURE
    E788            B4. DIABETES
    E801            B5.CANCER
    E818            B6. LUNG
    E828            B7. HEART CONDITION
    E848            B9. STROKE
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    E861            B10. PSYCHIATRIC
    E866            B11. ARTHRITIS
HRS 1998:
    F1109           B3.  HIGH BLOOD PRESSURE
    F1116           B4. DIABETES
    F1129           B5.CANCER
    F1146           B6. LUNG
    F1156           B7. HEART CONDITION
    F1176           B9. STROKE
    F1189           B10. PSYCHIATRIC
    F1194           B11. ARTHRITIS
    F230            PREV WAVE R HIGH BP
    F231            PREV WAVE DIABETES
    F232            PREV WAVE CANCER
    F233            PREV WAVE LUNG
    F234            PREV WAVE HEART
    F235            PREV WAVE STROKE
    F236            PREV WAVE PSYCHIATRIC
    F237            PREV WAVE ARTHRITIS
    F682            PREVIOUS WAVE INTERV
HRS 2000:
    G1238           B3.HIGH BLOOD PRESSURE
    G1245           B4. DIABETES
    G1262           B5.CANCER
    G1279           B6. LUNG
    G1289           B7. HEART CONDITION
    G1309           B9. STROKE
    G1322           B10. PSYCHIATRIC
    G1327           B11. ARTHRITIS
    G230            PR230.PREV WAVE R HIGH BP
    G231            PR231.PREV WAVE DIABETES
    G232            PR232.PREV WAVE CANCER
    G233            PR233.PREV WAVE LUNG
    G234            PR234.PREV WAVE HEART
    G235            PR235.PREV WAVE STROKE
    G236            PR236.PREV WAVE PSYCHIATRIC
    G237            PR237.PREV WAVE ARTHRITIS
    G753            CS22Y30.PREVIOUS WAVE INTERV
HRS 2002:
    HA009           PROXY/SELF INTERVIEW
    HA010           CURRENT - WAVE PROXY
    HZ095           PREV WAVE IW SELF/PROXY
HRS 2002-2022:
    xC005           HIGH BLOOD PRESSURE
    xC010           DIABETES
    xC018           CANCER OF ANY KIND EXCLUDING SKIN
    xC030           LUNG DISEASE
    xC036           HEART CONDITION
    xC053           STROKE
    xC065           EMOTIONAL/PSYCHIATRIC PROBLEMS
    xC070           ARTHRITIS
    xZ076           R EVER INTERVIEWED
    xZ101           PREV WAVE R HAS HIGH BLOODPRESSURE
    xZ102           PREV WAVE R HAS DIABETES
    xZ103           PREV WAVE R HAS CANCER
    xZ104           PREV WAVE R HAS LUNG PROBLEMS
    xZ105           PREV WAVE R HAS HEART PROBLEMS
    xZ106           PREV WAVE R HAS HAD STROKE
    xZ107           PREV WAVE R HAS PSYCHIATRIC PROBLEMS
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    xZ108           PREV WAVE R HAS ARTHRITIS
HRS 2004-2022:
    xC185           DIFFERENT REPORTER FROM PREV IW
HRS 2016-2022:
    xC291           TOLD BY HEALTH PROFESSIONAL HAVE SLEEP DISORDER
HRS 2018-2022:
    xZ280           PW SLEEP DISORDER
```

Doctor diagnosed health problems: Ever Have Condition

Wave	Variable	Label	Type
1	R1HIBPE	R1HIBPE:W1 R ever had high blood pressure	Categ
2	R2HIBPE	R2HIBPE:W2 R ever had high blood pressure	Categ
3	R3HIBPE	R3HIBPE:W3 R ever had high blood pressure	Categ
4	R4HIBPE	R4HIBPE:W4 R ever had high blood pressure	Categ
5	R5HIBPE	R5HIBPE:W5 R ever had high blood pressure	Categ
6	R6HIBPE	R6HIBPE:W6 R ever had high blood pressure	Categ
7	R7HIBPE	R7HIBPE:W7 R ever had high blood pressure	Categ
8	R8HIBPE	R8HIBPE:W8 R ever had high blood pressure	Categ
9	R9HIBPE	R9HIBPE:W9 R ever had high blood pressure	Categ
10	R10HIBPE	R10HIBPE:W10 R ever had high blood pressure	Categ
11	R11HIBPE	R11HIBPE:W11 R ever had high blood pressure	Categ
12	R12HIBPE	R12HIBPE:W12 R ever had high blood pressure	Categ
13	R13HIBPE	R13HIBPE:W13 R ever had high blood pressure	Categ
14	R14HIBPE	R14HIBPE:W14 R ever had high blood pressure	Categ
15	R15HIBPE	R15HIBPE:W15 R ever had high blood pressure	Categ
16	R16HIBPE	R16HIBPE:W16 R ever had high blood pressure	Categ
1	S1HIBPE	S1HIBPE:W1 S ever had high blood pressure	Categ
2	S2HIBPE	S2HIBPE:W2 S ever had high blood pressure	Categ
3	S3HIBPE	S3HIBPE:W3 S ever had high blood pressure	Categ
4	S4HIBPE	S4HIBPE:W4 S ever had high blood pressure	Categ
5	S5HIBPE	S5HIBPE:W5 S ever had high blood pressure	Categ
6	S6HIBPE	S6HIBPE:W6 S ever had high blood pressure	Categ
7	S7HIBPE	S7HIBPE:W7 S ever had high blood pressure	Categ
8	S8HIBPE	S8HIBPE:W8 S ever had high blood pressure	Categ
9	S9HIBPE	S9HIBPE:W9 S ever had high blood pressure	Categ
10	S10HIBPE	S10HIBPE:W10 S ever had high blood pressure	Categ
11	S11HIBPE	S11HIBPE:W11 S ever had high blood pressure	Categ
12	S12HIBPE	S12HIBPE:W12 S ever had high blood pressure	Categ
13	S13HIBPE	S13HIBPE:W13 S ever had high blood pressure	Categ
14	S14HIBPE	S14HIBPE:W14 S ever had high blood pressure	Categ
15	S15HIBPE	S15HIBPE:W15 S ever had high blood pressure	Categ
16	S16HIBPE	S16HIBPE:W16 S ever had high blood pressure	Categ
1	RAHIBPEF	RAHIBPEF : Flag 1st wv special missing high blood pressure	Cont
1	S1HIBPEF	S1HIBPEF : Flag 1st wv special missing high blood pressure	Cont
2	S2HIBPEF	S2HIBPEF : Flag 1st wv special missing high blood pressure	Cont
3	S3HIBPEF	S3HIBPEF : Flag 1st wv special missing high blood pressure	Cont
4	S4HIBPEF	S4HIBPEF : Flag 1st wv special missing high blood pressure	Cont
5	S5HIBPEF	S5HIBPEF : Flag 1st wv special missing high blood pressure	Cont
6	S6HIBPEF	S6HIBPEF : Flag 1st wv special missing high blood pressure	Cont
7	S7HIBPEF	S7HIBPEF : Flag 1st wv special missing high blood pressure	Cont
8	S8HIBPEF	S8HIBPEF : Flag 1st wv special missing high blood pressure	Cont
9	S9HIBPEF	S9HIBPEF : Flag 1st wv special missing high blood pressure	Cont
10	S10HIBPEF	S10HIBPEF : Flag 1st wv special missing high blood pressure	Cont
11	S11HIBPEF	S11HIBPEF : Flag 1st wv special missing high blood pressure	Cont
12	S12HIBPEF	S12HIBPEF : Flag 1st wv special missing high blood pressure	Cont
13	S13HIBPEF	S13HIBPEF : Flag 1st wv special missing high blood pressure	Cont
14	S14HIBPEF	S14HIBPEF : Flag 1st wv special missing high blood pressure	Cont
15	S15HIBPEF	S15HIBPEF : Flag 1st wv special missing high blood pressure	Cont
16	S16HIBPEF	S16HIBPEF : Flag 1st wv special missing high blood pressure	Cont
1	R1HIBPF	R1HIBPF:W1 Flag dispute chg hi BP	Categ
2	R2HIBPF	R2HIBPF:W2 Flag dispute chg hi BP	Categ
3	R3HIBPF	R3HIBPF:W3 Flag dispute chg hi BP	Categ
4	R4HIBPF	R4HIBPF:W4 Flag dispute chg hi BP	Categ
5	R5HIBPF	R5HIBPF:W5 Flag dispute chg hi BP	Categ
6	R6HIBPF	R6HIBPF:W6 Flag dispute chg hi BP	Categ
7	R7HIBPF	R7HIBPF:W7 Flag dispute chg hi BP	Categ
8	R8HIBPF	R8HIBPF:W8 Flag dispute chg hi BP	Categ
9	R9HIBPF	R9HIBPF:W9 Flag dispute chg hi BP	Categ
10	R10HIBPF	R10HIBPF:W10 Flag dispute chg hi BP	Categ
11	R11HIBPF	R11HIBPF:W11 Flag dispute chg hi BP	Categ
12	R12HIBPF	R12HIBPF:W12 Flag dispute chg hi BP	Categ
13	R13HIBPF	R13HIBPF:W13 Flag dispute chg hi BP	Categ

14	R14HIBPF	R14HIBPF:W14 Flag dispute chg hi BP	Categ
15	R15HIBPF	R15HIBPF:W15 Flag dispute chg hi BP	Categ
16	R16HIBPF	R16HIBPF:W16 Flag dispute chg hi BP	Categ
1	S1HIBPF	S1HIBPF:W1 Flag dispute chg hi BP	Categ
2	S2HIBPF	S2HIBPF:W2 Flag dispute chg hi BP	Categ
3	S3HIBPF	S3HIBPF:W3 Flag dispute chg hi BP	Categ
4	S4HIBPF	S4HIBPF:W4 Flag dispute chg hi BP	Categ
5	S5HIBPF	S5HIBPF:W5 Flag dispute chg hi BP	Categ
6	S6HIBPF	S6HIBPF:W6 Flag dispute chg hi BP	Categ
7	S7HIBPF	S7HIBPF:W7 Flag dispute chg hi BP	Categ
8	S8HIBPF	S8HIBPF:W8 Flag dispute chg hi BP	Categ
9	S9HIBPF	S9HIBPF:W9 Flag dispute chg hi BP	Categ
10	S10HIBPF	S10HIBPF:W10 Flag dispute chg hi BP	Categ
11	S11HIBPF	S11HIBPF:W11 Flag dispute chg hi BP	Categ
12	S12HIBPF	S12HIBPF:W12 Flag dispute chg hi BP	Categ
13	S13HIBPF	S13HIBPF:W13 Flag dispute chg hi BP	Categ
14	S14HIBPF	S14HIBPF:W14 Flag dispute chg hi BP	Categ
15	S15HIBPF	S15HIBPF:W15 Flag dispute chg hi BP	Categ
16	S16HIBPF	S16HIBPF:W16 Flag dispute chg hi BP	Categ
1	R1DIABE	R1DIABE:W1 R ever had diabetes	Categ
2	R2DIABE	R2DIABE:W2 R ever had diabetes	Categ
3	R3DIABE	R3DIABE:W3 R ever had diabetes	Categ
4	R4DIABE	R4DIABE:W4 R ever had diabetes	Categ
5	R5DIABE	R5DIABE:W5 R ever had diabetes	Categ
6	R6DIABE	R6DIABE:W6 R ever had diabetes	Categ
7	R7DIABE	R7DIABE:W7 R ever had diabetes	Categ
8	R8DIABE	R8DIABE:W8 R ever had diabetes	Categ
9	R9DIABE	R9DIABE:W9 R ever had diabetes	Categ
10	R10DIABE	R10DIABE:W10 R ever had diabetes	Categ
11	R11DIABE	R11DIABE:W11 R ever had diabetes	Categ
12	R12DIABE	R12DIABE:W12 R ever had diabetes	Categ
13	R13DIABE	R13DIABE:W13 R ever had diabetes	Categ
14	R14DIABE	R14DIABE:W14 R ever had diabetes	Categ
15	R15DIABE	R15DIABE:W15 R ever had diabetes	Categ
16	R16DIABE	R16DIABE:W16 R ever had diabetes	Categ
1	S1DIABE	S1DIABE:W1 S ever had diabetes	Categ
2	S2DIABE	S2DIABE:W2 S ever had diabetes	Categ
3	S3DIABE	S3DIABE:W3 S ever had diabetes	Categ
4	S4DIABE	S4DIABE:W4 S ever had diabetes	Categ
5	S5DIABE	S5DIABE:W5 S ever had diabetes	Categ
6	S6DIABE	S6DIABE:W6 S ever had diabetes	Categ
7	S7DIABE	S7DIABE:W7 S ever had diabetes	Categ
8	S8DIABE	S8DIABE:W8 S ever had diabetes	Categ
9	S9DIABE	S9DIABE:W9 S ever had diabetes	Categ
10	S10DIABE	S10DIABE:W10 S ever had diabetes	Categ
11	S11DIABE	S11DIABE:W11 S ever had diabetes	Categ
12	S12DIABE	S12DIABE:W12 S ever had diabetes	Categ
13	S13DIABE	S13DIABE:W13 S ever had diabetes	Categ
14	S14DIABE	S14DIABE:W14 S ever had diabetes	Categ
15	S15DIABE	S15DIABE:W15 S ever had diabetes	Categ
16	S16DIABE	S16DIABE:W16 S ever had diabetes	Categ
1	RADIABEF	RADIABEF : Flag 1st wv special missing diabetes	Cont
1	S1DIABEF	S1DIABEF : Flag 1st wv special missing diabetes	Cont
2	S2DIABEF	S2DIABEF : Flag 1st wv special missing diabetes	Cont
3	S3DIABEF	S3DIABEF : Flag 1st wv special missing diabetes	Cont
4	S4DIABEF	S4DIABEF : Flag 1st wv special missing diabetes	Cont
5	S5DIABEF	S5DIABEF : Flag 1st wv special missing diabetes	Cont
6	S6DIABEF	S6DIABEF : Flag 1st wv special missing diabetes	Cont
7	S7DIABEF	S7DIABEF : Flag 1st wv special missing diabetes	Cont
8	S8DIABEF	S8DIABEF : Flag 1st wv special missing diabetes	Cont
9	S9DIABEF	S9DIABEF : Flag 1st wv special missing diabetes	Cont
10	S10DIABEF	S10DIABEF : Flag 1st wv special missing diabetes	Cont
11	S11DIABEF	S11DIABEF : Flag 1st wv special missing diabetes	Cont
12	S12DIABEF	S12DIABEF : Flag 1st wv special missing diabetes	Cont
13	S13DIABEF	S13DIABEF : Flag 1st wv special missing diabetes	Cont
14	S14DIABEF	S14DIABEF : Flag 1st wv special missing diabetes	Cont
15	S15DIABEF	S15DIABEF : Flag 1st wv special missing diabetes	Cont

16	S16DIABEF	S16DIABEF : Flag 1st wv special missing diabetes	Cont
1	R1DIABF	R1DIABF:W1 Flag dispute chg diabetes	Categ
2	R2DIABF	R2DIABF:W2 Flag dispute chg diabetes	Categ
3	R3DIABF	R3DIABF:W3 Flag dispute chg diabetes	Categ
4	R4DIABF	R4DIABF:W4 Flag dispute chg diabetes	Categ
5	R5DIABF	R5DIABF:W5 Flag dispute chg diabetes	Categ
6	R6DIABF	R6DIABF:W6 Flag dispute chg diabetes	Categ
7	R7DIABF	R7DIABF:W7 Flag dispute chg diabetes	Categ
8	R8DIABF	R8DIABF:W8 Flag dispute chg diabetes	Categ
9	R9DIABF	R9DIABF:W9 Flag dispute chg diabetes	Categ
10	R10DIABF	R10DIABF:W10 Flag dispute chg diabetes	Categ
11	R11DIABF	R11DIABF:W11 Flag dispute chg diabetes	Categ
12	R12DIABF	R12DIABF:W12 Flag dispute chg diabetes	Categ
13	R13DIABF	R13DIABF:W13 Flag dispute chg diabetes	Categ
14	R14DIABF	R14DIABF:W14 Flag dispute chg diabetes	Categ
15	R15DIABF	R15DIABF:W15 Flag dispute chg diabetes	Categ
16	R16DIABF	R16DIABF:W16 Flag dispute chg diabetes	Categ
1	S1DIABF	S1DIABF:W1 Flag dispute chg diabetes	Categ
2	S2DIABF	S2DIABF:W2 Flag dispute chg diabetes	Categ
3	S3DIABF	S3DIABF:W3 Flag dispute chg diabetes	Categ
4	S4DIABF	S4DIABF:W4 Flag dispute chg diabetes	Categ
5	S5DIABF	S5DIABF:W5 Flag dispute chg diabetes	Categ
6	S6DIABF	S6DIABF:W6 Flag dispute chg diabetes	Categ
7	S7DIABF	S7DIABF:W7 Flag dispute chg diabetes	Categ
8	S8DIABF	S8DIABF:W8 Flag dispute chg diabetes	Categ
9	S9DIABF	S9DIABF:W9 Flag dispute chg diabetes	Categ
10	S10DIABF	S10DIABF:W10 Flag dispute chg diabetes	Categ
11	S11DIABF	S11DIABF:W11 Flag dispute chg diabetes	Categ
12	S12DIABF	S12DIABF:W12 Flag dispute chg diabetes	Categ
13	S13DIABF	S13DIABF:W13 Flag dispute chg diabetes	Categ
14	S14DIABF	S14DIABF:W14 Flag dispute chg diabetes	Categ
15	S15DIABF	S15DIABF:W15 Flag dispute chg diabetes	Categ
16	S16DIABF	S16DIABF:W16 Flag dispute chg diabetes	Categ
1	R1CANCRE	R1CANCRE:W1 R ever had cancer	Categ
2	R2CANCRE	R2CANCRE:W2 R ever had cancer	Categ
3	R3CANCRE	R3CANCRE:W3 R ever had cancer	Categ
4	R4CANCRE	R4CANCRE:W4 R ever had cancer	Categ
5	R5CANCRE	R5CANCRE:W5 R ever had cancer	Categ
6	R6CANCRE	R6CANCRE:W6 R ever had cancer	Categ
7	R7CANCRE	R7CANCRE:W7 R ever had cancer	Categ
8	R8CANCRE	R8CANCRE:W8 R ever had cancer	Categ
9	R9CANCRE	R9CANCRE:W9 R ever had cancer	Categ
10	R10CANCRE	R10CANCRE:W10 R ever had cancer	Categ
11	R11CANCRE	R11CANCRE:W11 R ever had cancer	Categ
12	R12CANCRE	R12CANCRE:W12 R ever had cancer	Categ
13	R13CANCRE	R13CANCRE:W13 R ever had cancer	Categ
14	R14CANCRE	R14CANCRE:W14 R ever had cancer	Categ
15	R15CANCRE	R15CANCRE:W15 R ever had cancer	Categ
16	R16CANCRE	R16CANCRE:W16 R ever had cancer	Categ
1	S1CANCRE	S1CANCRE:W1 S ever had cancer	Categ
2	S2CANCRE	S2CANCRE:W2 S ever had cancer	Categ
3	S3CANCRE	S3CANCRE:W3 S ever had cancer	Categ
4	S4CANCRE	S4CANCRE:W4 S ever had cancer	Categ
5	S5CANCRE	S5CANCRE:W5 S ever had cancer	Categ
6	S6CANCRE	S6CANCRE:W6 S ever had cancer	Categ
7	S7CANCRE	S7CANCRE:W7 S ever had cancer	Categ
8	S8CANCRE	S8CANCRE:W8 S ever had cancer	Categ
9	S9CANCRE	S9CANCRE:W9 S ever had cancer	Categ
10	S10CANCRE	S10CANCRE:W10 S ever had cancer	Categ
11	S11CANCRE	S11CANCRE:W11 S ever had cancer	Categ
12	S12CANCRE	S12CANCRE:W12 S ever had cancer	Categ
13	S13CANCRE	S13CANCRE:W13 S ever had cancer	Categ
14	S14CANCRE	S14CANCRE:W14 S ever had cancer	Categ
15	S15CANCRE	S15CANCRE:W15 S ever had cancer	Categ
16	S16CANCRE	S16CANCRE:W16 S ever had cancer	Categ
1	RACANCREF	RACANCREF: Flag 1st wv special missing cancer	Cont

1	S1CANCREF	S1CANCREF: Flag 1st wv special missing cancer	Cont
2	S2CANCREF	S2CANCREF: Flag 1st wv special missing cancer	Cont
3	S3CANCREF	S3CANCREF: Flag 1st wv special missing cancer	Cont
4	S4CANCREF	S4CANCREF: Flag 1st wv special missing cancer	Cont
5	S5CANCREF	S5CANCREF: Flag 1st wv special missing cancer	Cont
6	S6CANCREF	S6CANCREF: Flag 1st wv special missing cancer	Cont
7	S7CANCREF	S7CANCREF: Flag 1st wv special missing cancer	Cont
8	S8CANCREF	S8CANCREF: Flag 1st wv special missing cancer	Cont
9	S9CANCREF	S9CANCREF: Flag 1st wv special missing cancer	Cont
10	S10CANCREF	S10CANCREF: Flag 1st wv special missing cancer	Cont
11	S11CANCREF	S11CANCREF: Flag 1st wv special missing cancer	Cont
12	S12CANCREF	S12CANCREF: Flag 1st wv special missing cancer	Cont
13	S13CANCREF	S13CANCREF: Flag 1st wv special missing cancer	Cont
14	S14CANCREF	S14CANCREF: Flag 1st wv special missing cancer	Cont
15	S15CANCREF	S15CANCREF: Flag 1st wv special missing cancer	Cont
16	S16CANCREF	S16CANCREF: Flag 1st wv special missing cancer	Cont

1	R1CANCRF	R1CANCRF:W1 Flag dispute chg cancer	Categ
2	R2CANCRF	R2CANCRF:W2 Flag dispute chg cancer	Categ
3	R3CANCRF	R3CANCRF:W3 Flag dispute chg cancer	Categ
4	R4CANCRF	R4CANCRF:W4 Flag dispute chg cancer	Categ
5	R5CANCRF	R5CANCRF:W5 Flag dispute chg cancer	Categ
6	R6CANCRF	R6CANCRF:W6 Flag dispute chg cancer	Categ
7	R7CANCRF	R7CANCRF:W7 Flag dispute chg cancer	Categ
8	R8CANCRF	R8CANCRF:W8 Flag dispute chg cancer	Categ
9	R9CANCRF	R9CANCRF:W9 Flag dispute chg cancer	Categ
10	R10CANCRF	R10CANCRF:W10 Flag dispute chg cancer	Categ
11	R11CANCRF	R11CANCRF:W11 Flag dispute chg cancer	Categ
12	R12CANCRF	R12CANCRF:W12 Flag dispute chg cancer	Categ
13	R13CANCRF	R13CANCRF:W13 Flag dispute chg cancer	Categ
14	R14CANCRF	R14CANCRF:W14 Flag dispute chg cancer	Categ
15	R15CANCRF	R15CANCRF:W15 Flag dispute chg cancer	Categ
16	R16CANCRF	R16CANCRF:W16 Flag dispute chg cancer	Categ

1	S1CANCRF	S1CANCRF:W1 Flag dispute chg cancer	Categ
2	S2CANCRF	S2CANCRF:W2 Flag dispute chg cancer	Categ
3	S3CANCRF	S3CANCRF:W3 Flag dispute chg cancer	Categ
4	S4CANCRF	S4CANCRF:W4 Flag dispute chg cancer	Categ
5	S5CANCRF	S5CANCRF:W5 Flag dispute chg cancer	Categ
6	S6CANCRF	S6CANCRF:W6 Flag dispute chg cancer	Categ
7	S7CANCRF	S7CANCRF:W7 Flag dispute chg cancer	Categ
8	S8CANCRF	S8CANCRF:W8 Flag dispute chg cancer	Categ
9	S9CANCRF	S9CANCRF:W9 Flag dispute chg cancer	Categ
10	S10CANCRF	S10CANCRF:W10 Flag dispute chg cancer	Categ
11	S11CANCRF	S11CANCRF:W11 Flag dispute chg cancer	Categ
12	S12CANCRF	S12CANCRF:W12 Flag dispute chg cancer	Categ
13	S13CANCRF	S13CANCRF:W13 Flag dispute chg cancer	Categ
14	S14CANCRF	S14CANCRF:W14 Flag dispute chg cancer	Categ
15	S15CANCRF	S15CANCRF:W15 Flag dispute chg cancer	Categ
16	S16CANCRF	S16CANCRF:W16 Flag dispute chg cancer	Categ

1	R1LUNGE	R1LUNGE:W1 R ever had lung disease	Categ
2	R2LUNGE	R2LUNGE:W2 R ever had lung disease	Categ
3	R3LUNGE	R3LUNGE:W3 R ever had lung disease	Categ
4	R4LUNGE	R4LUNGE:W4 R ever had lung disease	Categ
5	R5LUNGE	R5LUNGE:W5 R ever had lung disease	Categ
6	R6LUNGE	R6LUNGE:W6 R ever had lung disease	Categ
7	R7LUNGE	R7LUNGE:W7 R ever had lung disease	Categ
8	R8LUNGE	R8LUNGE:W8 R ever had lung disease	Categ
9	R9LUNGE	R9LUNGE:W9 R ever had lung disease	Categ
10	R10LUNGE	R10LUNGE:W10 R ever had lung disease	Categ
11	R11LUNGE	R11LUNGE:W11 R ever had lung disease	Categ
12	R12LUNGE	R12LUNGE:W12 R ever had lung disease	Categ
13	R13LUNGE	R13LUNGE:W13 R ever had lung disease	Categ
14	R14LUNGE	R14LUNGE:W14 R ever had lung disease	Categ
15	R15LUNGE	R15LUNGE:W15 R ever had lung disease	Categ
16	R16LUNGE	R16LUNGE:W16 R ever had lung disease	Categ

1	S1LUNGE	S1LUNGE:W1 S ever had lung disease	Categ
2	S2LUNGE	S2LUNGE:W2 S ever had lung disease	Categ
3	S3LUNGE	S3LUNGE:W3 S ever had lung disease	Categ
4	S4LUNGE	S4LUNGE:W4 S ever had lung disease	Categ

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 5    S5LUNGE             S5LUNGE:W5 S ever had lung disease                                Categ
 6    S6LUNGE             S6LUNGE:W6 S ever had lung disease                                Categ
 7    S7LUNGE             S7LUNGE:W7 S ever had lung disease                                Categ
 8    S8LUNGE             S8LUNGE:W8 S ever had lung disease                                Categ
 9    S9LUNGE             S9LUNGE:W9 S ever had lung disease                                Categ
10    S10LUNGE            S10LUNGE:W10 S ever had lung disease                              Categ
11    S11LUNGE            S11LUNGE:W11 S ever had lung disease                              Categ
12    S12LUNGE            S12LUNGE:W12 S ever had lung disease                              Categ
13    S13LUNGE            S13LUNGE:W13 S ever had lung disease                              Categ
14    S14LUNGE            S14LUNGE:W14 S ever had lung disease                              Categ
15    S15LUNGE            S15LUNGE:W15 S ever had lung disease                              Categ
16    S16LUNGE            S16LUNGE:W16 S ever had lung disease                              Categ

 1    RALUNGEF            RALUNGEF : Flag 1st wv special missing lung disease               Cont

 1    S1LUNGEF            S1LUNGEF : Flag 1st wv special missing lung disease               Cont
 2    S2LUNGEF            S2LUNGEF : Flag 1st wv special missing lung disease               Cont
 3    S3LUNGEF            S3LUNGEF : Flag 1st wv special missing lung disease               Cont
 4    S4LUNGEF            S4LUNGEF : Flag 1st wv special missing lung disease               Cont
 5    S5LUNGEF            S5LUNGEF : Flag 1st wv special missing lung disease               Cont
 6    S6LUNGEF            S6LUNGEF : Flag 1st wv special missing lung disease               Cont
 7    S7LUNGEF            S7LUNGEF : Flag 1st wv special missing lung disease               Cont
 8    S8LUNGEF            S8LUNGEF : Flag 1st wv special missing lung disease               Cont
 9    S9LUNGEF            S9LUNGEF : Flag 1st wv special missing lung disease               Cont
10    S10LUNGEF           S10LUNGEF : Flag 1st wv special missing lung disease              Cont
11    S11LUNGEF           S11LUNGEF : Flag 1st wv special missing lung disease              Cont
12    S12LUNGEF           S12LUNGEF : Flag 1st wv special missing lung disease              Cont
13    S13LUNGEF           S13LUNGEF : Flag 1st wv special missing lung disease              Cont
14    S14LUNGEF           S14LUNGEF : Flag 1st wv special missing lung disease              Cont
15    S15LUNGEF           S15LUNGEF : Flag 1st wv special missing lung disease              Cont
16    S16LUNGEF           S16LUNGEF : Flag 1st wv special missing lung disease              Cont

 1    R1LUNGF             R1LUNGF:W1 Flag dispute chg lung disease                          Categ
 2    R2LUNGF             R2LUNGF:W2 Flag dispute chg lung disease                          Categ
 3    R3LUNGF             R3LUNGF:W3 Flag dispute chg lung disease                          Categ
 4    R4LUNGF             R4LUNGF:W4 Flag dispute chg lung disease                          Categ
 5    R5LUNGF             R5LUNGF:W5 Flag dispute chg lung disease                          Categ
 6    R6LUNGF             R6LUNGF:W6 Flag dispute chg lung disease                          Categ
 7    R7LUNGF             R7LUNGF:W7 Flag dispute chg lung disease                          Categ
 8    R8LUNGF             R8LUNGF:W8 Flag dispute chg lung disease                          Categ
 9    R9LUNGF             R9LUNGF:W9 Flag dispute chg lung disease                          Categ
10    R10LUNGF            R10LUNGF:W10 Flag dispute chg lung disease                        Categ
11    R11LUNGF            R11LUNGF:W11 Flag dispute chg lung disease                        Categ
12    R12LUNGF            R12LUNGF:W12 Flag dispute chg lung disease                        Categ
13    R13LUNGF            R13LUNGF:W13 Flag dispute chg lung disease                        Categ
14    R14LUNGF            R14LUNGF:W14 Flag dispute chg lung disease                        Categ
15    R15LUNGF            R15LUNGF:W15 Flag dispute chg lung disease                        Categ
16    R16LUNGF            R16LUNGF:W16 Flag dispute chg lung disease                        Categ

 1    S1LUNGF             S1LUNGF:W1 Flag dispute chg lung disease                          Categ
 2    S2LUNGF             S2LUNGF:W2 Flag dispute chg lung disease                          Categ
 3    S3LUNGF             S3LUNGF:W3 Flag dispute chg lung disease                          Categ
 4    S4LUNGF             S4LUNGF:W4 Flag dispute chg lung disease                          Categ
 5    S5LUNGF             S5LUNGF:W5 Flag dispute chg lung disease                          Categ
 6    S6LUNGF             S6LUNGF:W6 Flag dispute chg lung disease                          Categ
 7    S7LUNGF             S7LUNGF:W7 Flag dispute chg lung disease                          Categ
 8    S8LUNGF             S8LUNGF:W8 Flag dispute chg lung disease                          Categ
 9    S9LUNGF             S9LUNGF:W9 Flag dispute chg lung disease                          Categ
10    S10LUNGF            S10LUNGF:W10 Flag dispute chg lung disease                        Categ
11    S11LUNGF            S11LUNGF:W11 Flag dispute chg lung disease                        Categ
12    S12LUNGF            S12LUNGF:W12 Flag dispute chg lung disease                        Categ
13    S13LUNGF            S13LUNGF:W13 Flag dispute chg lung disease                        Categ
14    S14LUNGF            S14LUNGF:W14 Flag dispute chg lung disease                        Categ
15    S15LUNGF            S15LUNGF:W15 Flag dispute chg lung disease                        Categ
16    S16LUNGF            S16LUNGF:W16 Flag dispute chg lung disease                        Categ

 1    R1HEARTE            R1HEARTE:W1 R ever had heart problems                             Categ
 2    R2HEARTE            R2HEARTE:W2 R ever had heart problems                             Categ
 3    R3HEARTE            R3HEARTE:W3 R ever had heart problems                             Categ
 4    R4HEARTE            R4HEARTE:W4 R ever had heart problems                             Categ
 5    R5HEARTE            R5HEARTE:W5 R ever had heart problems                             Categ
 6    R6HEARTE            R6HEARTE:W6 R ever had heart problems                             Categ
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 7    R7HEARTE            R7HEARTE:W7 R ever had heart problems                          Categ
 8    R8HEARTE            R8HEARTE:W8 R ever had heart problems                          Categ
 9    R9HEARTE            R9HEARTE:W9 R ever had heart problems                          Categ
10    R10HEARTE           R10HEARTE:W10 R ever had heart problems                        Categ
11    R11HEARTE           R11HEARTE:W11 R ever had heart problems                        Categ
12    R12HEARTE           R12HEARTE:W12 R ever had heart problems                        Categ
13    R13HEARTE           R13HEARTE:W13 R ever had heart problems                        Categ
14    R14HEARTE           R14HEARTE:W14 R ever had heart problems                        Categ
15    R15HEARTE           R15HEARTE:W15 R ever had heart problems                        Categ
16    R16HEARTE           R16HEARTE:W16 R ever had heart problems                        Categ

 1    S1HEARTE            S1HEARTE:W1 S ever had heart problems                          Categ
 2    S2HEARTE            S2HEARTE:W2 S ever had heart problems                          Categ
 3    S3HEARTE            S3HEARTE:W3 S ever had heart problems                          Categ
 4    S4HEARTE            S4HEARTE:W4 S ever had heart problems                          Categ
 5    S5HEARTE            S5HEARTE:W5 S ever had heart problems                          Categ
 6    S6HEARTE            S6HEARTE:W6 S ever had heart problems                          Categ
 7    S7HEARTE            S7HEARTE:W7 S ever had heart problems                          Categ
 8    S8HEARTE            S8HEARTE:W8 S ever had heart problems                          Categ
 9    S9HEARTE            S9HEARTE:W9 S ever had heart problems                          Categ
10    S10HEARTE           S10HEARTE:W10 S ever had heart problems                        Categ
11    S11HEARTE           S11HEARTE:W11 S ever had heart problems                        Categ
12    S12HEARTE           S12HEARTE:W12 S ever had heart problems                        Categ
13    S13HEARTE           S13HEARTE:W13 S ever had heart problems                        Categ
14    S14HEARTE           S14HEARTE:W14 S ever had heart problems                        Categ
15    S15HEARTE           S15HEARTE:W15 S ever had heart problems                        Categ
16    S16HEARTE           S16HEARTE:W16 S ever had heart problems                        Categ

 1    RAHEARTEF           RAHEARTEF: Flag 1st wv special missing heart problems          Cont

 1    S1HEARTEF           S1HEARTEF: Flag 1st wv special missing heart problems          Cont
 2    S2HEARTEF           S2HEARTEF: Flag 1st wv special missing heart problems          Cont
 3    S3HEARTEF           S3HEARTEF: Flag 1st wv special missing heart problems          Cont
 4    S4HEARTEF           S4HEARTEF: Flag 1st wv special missing heart problems          Cont
 5    S5HEARTEF           S5HEARTEF: Flag 1st wv special missing heart problems          Cont
 6    S6HEARTEF           S6HEARTEF: Flag 1st wv special missing heart problems          Cont
 7    S7HEARTEF           S7HEARTEF: Flag 1st wv special missing heart problems          Cont
 8    S8HEARTEF           S8HEARTEF: Flag 1st wv special missing heart problems          Cont
 9    S9HEARTEF           S9HEARTEF: Flag 1st wv special missing heart problems          Cont
10    S10HEARTEF          S10HEARTEF: Flag 1st wv special missing heart problems         Cont
11    S11HEARTEF          S11HEARTEF: Flag 1st wv special missing heart problems         Cont
12    S12HEARTEF          S12HEARTEF: Flag 1st wv special missing heart problems         Cont
13    S13HEARTEF          S13HEARTEF: Flag 1st wv special missing heart problems         Cont
14    S14HEARTEF          S14HEARTEF: Flag 1st wv special missing heart problems         Cont
15    S15HEARTEF          S15HEARTEF: Flag 1st wv special missing heart problems         Cont
16    S16HEARTEF          S16HEARTEF: Flag 1st wv special missing heart problems         Cont

 1    R1HEARTF            R1HEARTF:W1 Flag dispute chg heart prob                        Categ
 2    R2HEARTF            R2HEARTF:W2 Flag dispute chg heart prob                        Categ
 3    R3HEARTF            R3HEARTF:W3 Flag dispute chg heart prob                        Categ
 4    R4HEARTF            R4HEARTF:W4 Flag dispute chg heart prob                        Categ
 5    R5HEARTF            R5HEARTF:W5 Flag dispute chg heart prob                        Categ
 6    R6HEARTF            R6HEARTF:W6 Flag dispute chg heart prob                        Categ
 7    R7HEARTF            R7HEARTF:W7 Flag dispute chg heart prob                        Categ
 8    R8HEARTF            R8HEARTF:W8 Flag dispute chg heart prob                        Categ
 9    R9HEARTF            R9HEARTF:W9 Flag dispute chg heart prob                        Categ
10    R10HEARTF           R10HEARTF:W10 Flag dispute chg heart prob                      Categ
11    R11HEARTF           R11HEARTF:W11 Flag dispute chg heart prob                      Categ
12    R12HEARTF           R12HEARTF:W12 Flag dispute chg heart prob                      Categ
13    R13HEARTF           R13HEARTF:W13 Flag dispute chg heart prob                      Categ
14    R14HEARTF           R14HEARTF:W14 Flag dispute chg heart prob                      Categ
15    R15HEARTF           R15HEARTF:W15 Flag dispute chg heart prob                      Categ
16    R16HEARTF           R16HEARTF:W16 Flag dispute chg heart prob                      Categ

 1    S1HEARTF            S1HEARTF:W1 Flag dispute chg heart prob                        Categ
 2    S2HEARTF            S2HEARTF:W2 Flag dispute chg heart prob                        Categ
 3    S3HEARTF            S3HEARTF:W3 Flag dispute chg heart prob                        Categ
 4    S4HEARTF            S4HEARTF:W4 Flag dispute chg heart prob                        Categ
 5    S5HEARTF            S5HEARTF:W5 Flag dispute chg heart prob                        Categ
 6    S6HEARTF            S6HEARTF:W6 Flag dispute chg heart prob                        Categ
 7    S7HEARTF            S7HEARTF:W7 Flag dispute chg heart prob                        Categ
 8    S8HEARTF            S8HEARTF:W8 Flag dispute chg heart prob                        Categ
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9	S9HEARTF	S9HEARTF:W9 Flag dispute chg heart prob	Categ
10	S10HEARTF	S10HEARTF:W10 Flag dispute chg heart prob	Categ
11	S11HEARTF	S11HEARTF:W11 Flag dispute chg heart prob	Categ
12	S12HEARTF	S12HEARTF:W12 Flag dispute chg heart prob	Categ
13	S13HEARTF	S13HEARTF:W13 Flag dispute chg heart prob	Categ
14	S14HEARTF	S14HEARTF:W14 Flag dispute chg heart prob	Categ
15	S15HEARTF	S15HEARTF:W15 Flag dispute chg heart prob	Categ
16	S16HEARTF	S16HEARTF:W16 Flag dispute chg heart prob	Categ
1	R1STROKE	R1STROKE:W1 R ever had stroke	Categ
2	R2STROKE	R2STROKE:W2 R ever had stroke	Categ
3	R3STROKE	R3STROKE:W3 R ever had stroke	Categ
4	R4STROKE	R4STROKE:W4 R ever had stroke	Categ
5	R5STROKE	R5STROKE:W5 R ever had stroke	Categ
6	R6STROKE	R6STROKE:W6 R ever had stroke	Categ
7	R7STROKE	R7STROKE:W7 R ever had stroke	Categ
8	R8STROKE	R8STROKE:W8 R ever had stroke	Categ
9	R9STROKE	R9STROKE:W9 R ever had stroke	Categ
10	R10STROKE	R10STROKE:W10 R ever had stroke	Categ
11	R11STROKE	R11STROKE:W11 R ever had stroke	Categ
12	R12STROKE	R12STROKE:W12 R ever had stroke	Categ
13	R13STROKE	R13STROKE:W13 R ever had stroke	Categ
14	R14STROKE	R14STROKE:W14 R ever had stroke	Categ
15	R15STROKE	R15STROKE:W15 R ever had stroke	Categ
16	R16STROKE	R16STROKE:W16 R ever had stroke	Categ
1	S1STROKE	S1STROKE:W1 S ever had stroke	Categ
2	S2STROKE	S2STROKE:W2 S ever had stroke	Categ
3	S3STROKE	S3STROKE:W3 S ever had stroke	Categ
4	S4STROKE	S4STROKE:W4 S ever had stroke	Categ
5	S5STROKE	S5STROKE:W5 S ever had stroke	Categ
6	S6STROKE	S6STROKE:W6 S ever had stroke	Categ
7	S7STROKE	S7STROKE:W7 S ever had stroke	Categ
8	S8STROKE	S8STROKE:W8 S ever had stroke	Categ
9	S9STROKE	S9STROKE:W9 S ever had stroke	Categ
10	S10STROKE	S10STROKE:W10 S ever had stroke	Categ
11	S11STROKE	S11STROKE:W11 S ever had stroke	Categ
12	S12STROKE	S12STROKE:W12 S ever had stroke	Categ
13	S13STROKE	S13STROKE:W13 S ever had stroke	Categ
14	S14STROKE	S14STROKE:W14 S ever had stroke	Categ
15	S15STROKE	S15STROKE:W15 S ever had stroke	Categ
16	S16STROKE	S16STROKE:W16 S ever had stroke	Categ
1	RASTROKEF	RASTROKEF: Flag 1st wv special missing stroke	Cont
1	S1STROKEF	S1STROKEF: Flag 1st wv special missing stroke	Cont
2	S2STROKEF	S2STROKEF: Flag 1st wv special missing stroke	Cont
3	S3STROKEF	S3STROKEF: Flag 1st wv special missing stroke	Cont
4	S4STROKEF	S4STROKEF: Flag 1st wv special missing stroke	Cont
5	S5STROKEF	S5STROKEF: Flag 1st wv special missing stroke	Cont
6	S6STROKEF	S6STROKEF: Flag 1st wv special missing stroke	Cont
7	S7STROKEF	S7STROKEF: Flag 1st wv special missing stroke	Cont
8	S8STROKEF	S8STROKEF: Flag 1st wv special missing stroke	Cont
9	S9STROKEF	S9STROKEF: Flag 1st wv special missing stroke	Cont
10	S10STROKEF	S10STROKEF: Flag 1st wv special missing stroke	Cont
11	S11STROKEF	S11STROKEF: Flag 1st wv special missing stroke	Cont
12	S12STROKEF	S12STROKEF: Flag 1st wv special missing stroke	Cont
13	S13STROKEF	S13STROKEF: Flag 1st wv special missing stroke	Cont
14	S14STROKEF	S14STROKEF: Flag 1st wv special missing stroke	Cont
15	S15STROKEF	S15STROKEF: Flag 1st wv special missing stroke	Cont
16	S16STROKEF	S16STROKEF: Flag 1st wv special missing stroke	Cont
1	R1STROKF	R1STROKF:W1 Flag dispute chg stroke	Categ
2	R2STROKF	R2STROKF:W2 Flag dispute chg stroke	Categ
3	R3STROKF	R3STROKF:W3 Flag dispute chg stroke	Categ
4	R4STROKF	R4STROKF:W4 Flag dispute chg stroke	Categ
5	R5STROKF	R5STROKF:W5 Flag dispute chg stroke	Categ
6	R6STROKF	R6STROKF:W6 Flag dispute chg stroke	Categ
7	R7STROKF	R7STROKF:W7 Flag dispute chg stroke	Categ
8	R8STROKF	R8STROKF:W8 Flag dispute chg stroke	Categ
9	R9STROKF	R9STROKF:W9 Flag dispute chg stroke	Categ
10	R10STROKF	R10STROKF:W10 Flag dispute chg stroke	Categ

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11    R11STROKF           R11STROKF:W11 Flag dispute chg stroke                          Categ
12    R12STROKF           R12STROKF:W12 Flag dispute chg stroke                          Categ
13    R13STROKF           R13STROKF:W13 Flag dispute chg stroke                          Categ
14    R14STROKF           R14STROKF:W14 Flag dispute chg stroke                          Categ
15    R15STROKF           R15STROKF:W15 Flag dispute chg stroke                          Categ
16    R16STROKF           R16STROKF:W16 Flag dispute chg stroke                          Categ

 1    S1STROKF            S1STROKF:W1 Flag dispute chg stroke                            Categ
 2    S2STROKF            S2STROKF:W2 Flag dispute chg stroke                            Categ
 3    S3STROKF            S3STROKF:W3 Flag dispute chg stroke                            Categ
 4    S4STROKF            S4STROKF:W4 Flag dispute chg stroke                            Categ
 5    S5STROKF            S5STROKF:W5 Flag dispute chg stroke                            Categ
 6    S6STROKF            S6STROKF:W6 Flag dispute chg stroke                            Categ
 7    S7STROKF            S7STROKF:W7 Flag dispute chg stroke                            Categ
 8    S8STROKF            S8STROKF:W8 Flag dispute chg stroke                            Categ
 9    S9STROKF            S9STROKF:W9 Flag dispute chg stroke                            Categ
10    S10STROKF           S10STROKF:W10 Flag dispute chg stroke                          Categ
11    S11STROKF           S11STROKF:W11 Flag dispute chg stroke                          Categ
12    S12STROKF           S12STROKF:W12 Flag dispute chg stroke                          Categ
13    S13STROKF           S13STROKF:W13 Flag dispute chg stroke                          Categ
14    S14STROKF           S14STROKF:W14 Flag dispute chg stroke                          Categ
15    S15STROKF           S15STROKF:W15 Flag dispute chg stroke                          Categ
16    S16STROKF           S16STROKF:W16 Flag dispute chg stroke                          Categ

 1    R1PSYCHE            R1PSYCHE:W1 R ever had psych problems                          Categ
 2    R2PSYCHE            R2PSYCHE:W2 R ever had psych problems                          Categ
 3    R3PSYCHE            R3PSYCHE:W3 R ever had psych problems                          Categ
 4    R4PSYCHE            R4PSYCHE:W4 R ever had psych problems                          Categ
 5    R5PSYCHE            R5PSYCHE:W5 R ever had psych problems                          Categ
 6    R6PSYCHE            R6PSYCHE:W6 R ever had psych problems                          Categ
 7    R7PSYCHE            R7PSYCHE:W7 R ever had psych problems                          Categ
 8    R8PSYCHE            R8PSYCHE:W8 R ever had psych problems                          Categ
 9    R9PSYCHE            R9PSYCHE:W9 R ever had psych problems                          Categ
10    R10PSYCHE           R10PSYCHE:W10 R ever had psych problems                        Categ
11    R11PSYCHE           R11PSYCHE:W11 R ever had psych problems                        Categ
12    R12PSYCHE           R12PSYCHE:W12 R ever had psych problems                        Categ
13    R13PSYCHE           R13PSYCHE:W13 R ever had psych problems                        Categ
14    R14PSYCHE           R14PSYCHE:W14 R ever had psych problems                        Categ
15    R15PSYCHE           R15PSYCHE:W15 R ever had psych problems                        Categ
16    R16PSYCHE           R16PSYCHE:W16 R ever had psych problems                        Categ

 1    S1PSYCHE            S1PSYCHE:W1 S ever had psych problems                          Categ
 2    S2PSYCHE            S2PSYCHE:W2 S ever had psych problems                          Categ
 3    S3PSYCHE            S3PSYCHE:W3 S ever had psych problems                          Categ
 4    S4PSYCHE            S4PSYCHE:W4 S ever had psych problems                          Categ
 5    S5PSYCHE            S5PSYCHE:W5 S ever had psych problems                          Categ
 6    S6PSYCHE            S6PSYCHE:W6 S ever had psych problems                          Categ
 7    S7PSYCHE            S7PSYCHE:W7 S ever had psych problems                          Categ
 8    S8PSYCHE            S8PSYCHE:W8 S ever had psych problems                          Categ
 9    S9PSYCHE            S9PSYCHE:W9 S ever had psych problems                          Categ
10    S10PSYCHE           S10PSYCHE:W10 S ever had psych problems                        Categ
11    S11PSYCHE           S11PSYCHE:W11 S ever had psych problems                        Categ
12    S12PSYCHE           S12PSYCHE:W12 S ever had psych problems                        Categ
13    S13PSYCHE           S13PSYCHE:W13 S ever had psych problems                        Categ
14    S14PSYCHE           S14PSYCHE:W14 S ever had psych problems                        Categ
15    S15PSYCHE           S15PSYCHE:W15 S ever had psych problems                        Categ
16    S16PSYCHE           S16PSYCHE:W16 S ever had psych problems                        Categ

 1    RAPSYCHEF           RAPSYCHEF: Flag 1st wv special missing psych problems          Cont

 1    S1PSYCHEF           S1PSYCHEF: Flag 1st wv special missing psych problems          Cont
 2    S2PSYCHEF           S2PSYCHEF: Flag 1st wv special missing psych problems          Cont
 3    S3PSYCHEF           S3PSYCHEF: Flag 1st wv special missing psych problems          Cont
 4    S4PSYCHEF           S4PSYCHEF: Flag 1st wv special missing psych problems          Cont
 5    S5PSYCHEF           S5PSYCHEF: Flag 1st wv special missing psych problems          Cont
 6    S6PSYCHEF           S6PSYCHEF: Flag 1st wv special missing psych problems          Cont
 7    S7PSYCHEF           S7PSYCHEF: Flag 1st wv special missing psych problems          Cont
 8    S8PSYCHEF           S8PSYCHEF: Flag 1st wv special missing psych problems          Cont
 9    S9PSYCHEF           S9PSYCHEF: Flag 1st wv special missing psych problems          Cont
10    S10PSYCHEF          S10PSYCHEF: Flag 1st wv special missing psych problems         Cont
11    S11PSYCHEF          S11PSYCHEF: Flag 1st wv special missing psych problems         Cont
12    S12PSYCHEF          S12PSYCHEF: Flag 1st wv special missing psych problems         Cont
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13	S13PSYCHEF	S13PSYCHEF: Flag 1st wv special missing psych problems	Cont
14	S14PSYCHEF	S14PSYCHEF: Flag 1st wv special missing psych problems	Cont
15	S15PSYCHEF	S15PSYCHEF: Flag 1st wv special missing psych problems	Cont
16	S16PSYCHEF	S16PSYCHEF: Flag 1st wv special missing psych problems	Cont
1	R1PSYCHF	R1PSYCHF:W1 Flag dispute chg psych probs	Categ
2	R2PSYCHF	R2PSYCHF:W2 Flag dispute chg psych probs	Categ
3	R3PSYCHF	R3PSYCHF:W3 Flag dispute chg psych probs	Categ
4	R4PSYCHF	R4PSYCHF:W4 Flag dispute chg psych probs	Categ
5	R5PSYCHF	R5PSYCHF:W5 Flag dispute chg psych probs	Categ
6	R6PSYCHF	R6PSYCHF:W6 Flag dispute chg psych probs	Categ
7	R7PSYCHF	R7PSYCHF:W7 Flag dispute chg psych probs	Categ
8	R8PSYCHF	R8PSYCHF:W8 Flag dispute chg psych probs	Categ
9	R9PSYCHF	R9PSYCHF:W9 Flag dispute chg psych probs	Categ
10	R10PSYCHF	R10PSYCHF:W10 Flag dispute chg psych probs	Categ
11	R11PSYCHF	R11PSYCHF:W11 Flag dispute chg psych probs	Categ
12	R12PSYCHF	R12PSYCHF:W12 Flag dispute chg psych probs	Categ
13	R13PSYCHF	R13PSYCHF:W13 Flag dispute chg psych probs	Categ
14	R14PSYCHF	R14PSYCHF:W14 Flag dispute chg psych probs	Categ
15	R15PSYCHF	R15PSYCHF:W15 Flag dispute chg psych probs	Categ
16	R16PSYCHF	R16PSYCHF:W16 Flag dispute chg psych probs	Categ
1	S1PSYCHF	S1PSYCHF:W1 Flag dispute chg psych probs	Categ
2	S2PSYCHF	S2PSYCHF:W2 Flag dispute chg psych probs	Categ
3	S3PSYCHF	S3PSYCHF:W3 Flag dispute chg psych probs	Categ
4	S4PSYCHF	S4PSYCHF:W4 Flag dispute chg psych probs	Categ
5	S5PSYCHF	S5PSYCHF:W5 Flag dispute chg psych probs	Categ
6	S6PSYCHF	S6PSYCHF:W6 Flag dispute chg psych probs	Categ
7	S7PSYCHF	S7PSYCHF:W7 Flag dispute chg psych probs	Categ
8	S8PSYCHF	S8PSYCHF:W8 Flag dispute chg psych probs	Categ
9	S9PSYCHF	S9PSYCHF:W9 Flag dispute chg psych probs	Categ
10	S10PSYCHF	S10PSYCHF:W10 Flag dispute chg psych probs	Categ
11	S11PSYCHF	S11PSYCHF:W11 Flag dispute chg psych probs	Categ
12	S12PSYCHF	S12PSYCHF:W12 Flag dispute chg psych probs	Categ
13	S13PSYCHF	S13PSYCHF:W13 Flag dispute chg psych probs	Categ
14	S14PSYCHF	S14PSYCHF:W14 Flag dispute chg psych probs	Categ
15	S15PSYCHF	S15PSYCHF:W15 Flag dispute chg psych probs	Categ
16	S16PSYCHF	S16PSYCHF:W16 Flag dispute chg psych probs	Categ
1	R1ARTHRE	R1ARTHRE:W1 R ever had arthritis	Categ
2	R2ARTHRE	R2ARTHRE:W2 R ever had arthritis	Categ
3	R3ARTHRE	R3ARTHRE:W3 R ever had arthritis	Categ
4	R4ARTHRE	R4ARTHRE:W4 R ever had arthritis	Categ
5	R5ARTHRE	R5ARTHRE:W5 R ever had arthritis	Categ
6	R6ARTHRE	R6ARTHRE:W6 R ever had arthritis	Categ
7	R7ARTHRE	R7ARTHRE:W7 R ever had arthritis	Categ
8	R8ARTHRE	R8ARTHRE:W8 R ever had arthritis	Categ
9	R9ARTHRE	R9ARTHRE:W9 R ever had arthritis	Categ
10	R10ARTHRE	R10ARTHRE:W10 R ever had arthritis	Categ
11	R11ARTHRE	R11ARTHRE:W11 R ever had arthritis	Categ
12	R12ARTHRE	R12ARTHRE:W12 R ever had arthritis	Categ
13	R13ARTHRE	R13ARTHRE:W13 R ever had arthritis	Categ
14	R14ARTHRE	R14ARTHRE:W14 R ever had arthritis	Categ
15	R15ARTHRE	R15ARTHRE:W15 R ever had arthritis	Categ
16	R16ARTHRE	R16ARTHRE:W16 R ever had arthritis	Categ
1	S1ARTHRE	S1ARTHRE:W1 S ever had arthritis	Categ
2	S2ARTHRE	S2ARTHRE:W2 S ever had arthritis	Categ
3	S3ARTHRE	S3ARTHRE:W3 S ever had arthritis	Categ
4	S4ARTHRE	S4ARTHRE:W4 S ever had arthritis	Categ
5	S5ARTHRE	S5ARTHRE:W5 S ever had arthritis	Categ
6	S6ARTHRE	S6ARTHRE:W6 S ever had arthritis	Categ
7	S7ARTHRE	S7ARTHRE:W7 S ever had arthritis	Categ
8	S8ARTHRE	S8ARTHRE:W8 S ever had arthritis	Categ
9	S9ARTHRE	S9ARTHRE:W9 S ever had arthritis	Categ
10	S10ARTHRE	S10ARTHRE:W10 S ever had arthritis	Categ
11	S11ARTHRE	S11ARTHRE:W11 S ever had arthritis	Categ
12	S12ARTHRE	S12ARTHRE:W12 S ever had arthritis	Categ
13	S13ARTHRE	S13ARTHRE:W13 S ever had arthritis	Categ
14	S14ARTHRE	S14ARTHRE:W14 S ever had arthritis	Categ
15	S15ARTHRE	S15ARTHRE:W15 S ever had arthritis	Categ
16	S16ARTHRE	S16ARTHRE:W16 S ever had arthritis	Categ

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 1    RAARTHREF            RAARTHREF: Flag 1st wv special missing arthritis                  Cont

 1    S1ARTHREF            S1ARTHREF: Flag 1st wv special missing arthritis                  Cont
 2    S2ARTHREF            S2ARTHREF: Flag 1st wv special missing arthritis                  Cont
 3    S3ARTHREF            S3ARTHREF: Flag 1st wv special missing arthritis                  Cont
 4    S4ARTHREF            S4ARTHREF: Flag 1st wv special missing arthritis                  Cont
 5    S5ARTHREF            S5ARTHREF: Flag 1st wv special missing arthritis                  Cont
 6    S6ARTHREF            S6ARTHREF: Flag 1st wv special missing arthritis                  Cont
 7    S7ARTHREF            S7ARTHREF: Flag 1st wv special missing arthritis                  Cont
 8    S8ARTHREF            S8ARTHREF: Flag 1st wv special missing arthritis                  Cont
 9    S9ARTHREF            S9ARTHREF: Flag 1st wv special missing arthritis                  Cont
10    S10ARTHREF           S10ARTHREF: Flag 1st wv special missing arthritis                 Cont
11    S11ARTHREF           S11ARTHREF: Flag 1st wv special missing arthritis                 Cont
12    S12ARTHREF           S12ARTHREF: Flag 1st wv special missing arthritis                 Cont
13    S13ARTHREF           S13ARTHREF: Flag 1st wv special missing arthritis                 Cont
14    S14ARTHREF           S14ARTHREF: Flag 1st wv special missing arthritis                 Cont
15    S15ARTHREF           S15ARTHREF: Flag 1st wv special missing arthritis                 Cont
16    S16ARTHREF           S16ARTHREF: Flag 1st wv special missing arthritis                 Cont

 1    R1ARTHRF             R1ARTHRF:W1 Flag dispute chg arthritis                            Categ
 2    R2ARTHRF             R2ARTHRF:W2 Flag dispute chg arthritis                            Categ
 3    R3ARTHRF             R3ARTHRF:W3 Flag dispute chg arthritis                            Categ
 4    R4ARTHRF             R4ARTHRF:W4 Flag dispute chg arthritis                            Categ
 5    R5ARTHRF             R5ARTHRF:W5 Flag dispute chg arthritis                            Categ
 6    R6ARTHRF             R6ARTHRF:W6 Flag dispute chg arthritis                            Categ
 7    R7ARTHRF             R7ARTHRF:W7 Flag dispute chg arthritis                            Categ
 8    R8ARTHRF             R8ARTHRF:W8 Flag dispute chg arthritis                            Categ
 9    R9ARTHRF             R9ARTHRF:W9 Flag dispute chg arthritis                            Categ
10    R10ARTHRF            R10ARTHRF:W10 Flag dispute chg arthritis                          Categ
11    R11ARTHRF            R11ARTHRF:W11 Flag dispute chg arthritis                          Categ
12    R12ARTHRF            R12ARTHRF:W12 Flag dispute chg arthritis                          Categ
13    R13ARTHRF            R13ARTHRF:W13 Flag dispute chg arthritis                          Categ
14    R14ARTHRF            R14ARTHRF:W14 Flag dispute chg arthritis                          Categ
15    R15ARTHRF            R15ARTHRF:W15 Flag dispute chg arthritis                          Categ
16    R16ARTHRF            R16ARTHRF:W16 Flag dispute chg arthritis                          Categ

 1    S1ARTHRF             S1ARTHRF:W1 Flag dispute chg arthritis                            Categ
 2    S2ARTHRF             S2ARTHRF:W2 Flag dispute chg arthritis                            Categ
 3    S3ARTHRF             S3ARTHRF:W3 Flag dispute chg arthritis                            Categ
 4    S4ARTHRF             S4ARTHRF:W4 Flag dispute chg arthritis                            Categ
 5    S5ARTHRF             S5ARTHRF:W5 Flag dispute chg arthritis                            Categ
 6    S6ARTHRF             S6ARTHRF:W6 Flag dispute chg arthritis                            Categ
 7    S7ARTHRF             S7ARTHRF:W7 Flag dispute chg arthritis                            Categ
 8    S8ARTHRF             S8ARTHRF:W8 Flag dispute chg arthritis                            Categ
 9    S9ARTHRF             S9ARTHRF:W9 Flag dispute chg arthritis                            Categ
10    S10ARTHRF            S10ARTHRF:W10 Flag dispute chg arthritis                          Categ
11    S11ARTHRF            S11ARTHRF:W11 Flag dispute chg arthritis                          Categ
12    S12ARTHRF            S12ARTHRF:W12 Flag dispute chg arthritis                          Categ
13    S13ARTHRF            S13ARTHRF:W13 Flag dispute chg arthritis                          Categ
14    S14ARTHRF            S14ARTHRF:W14 Flag dispute chg arthritis                          Categ
15    S15ARTHRF            S15ARTHRF:W15 Flag dispute chg arthritis                          Categ
16    S16ARTHRF            S16ARTHRF:W16 Flag dispute chg arthritis                          Categ

13    R13SLEEPE            R13SLEEPE:W13 R ever had sleep disorder                           Categ
14    R14SLEEPE            R14SLEEPE:W14 R ever had sleep disorder                           Categ
15    R15SLEEPE            R15SLEEPE:W15 R ever had sleep disorder                           Categ
16    R16SLEEPE            R16SLEEPE:W16 R ever had sleep disorder                           Categ

13    S13SLEEPE            S13SLEEPE:W13 S ever had sleep disorder                           Categ
14    S14SLEEPE            S14SLEEPE:W14 S ever had sleep disorder                           Categ
15    S15SLEEPE            S15SLEEPE:W15 S ever had sleep disorder                           Categ
16    S16SLEEPE            S16SLEEPE:W16 S ever had sleep disorder                           Categ

 1    RASLEEPEF            RASLEEPEF: Flag 1st wv special missing sleep disorder             Cont

13    S13SLEEPEF           S13SLEEPEF: Flag 1st wv special missing sleep disorder            Cont
14    S14SLEEPEF           S14SLEEPEF: Flag 1st wv special missing sleep disorder            Cont
15    S15SLEEPEF           S15SLEEPEF: Flag 1st wv special missing sleep disorder            Cont
16    S16SLEEPEF           S16SLEEPEF: Flag 1st wv special missing sleep disorder            Cont

 1    R1CONDE              R1CONDE:W1 Sum of conditions ever had                             Cont
```

2	R2CONDE	R2CONDE:W2 Sum of conditions ever had	Cont
3	R3CONDE	R3CONDE:W3 Sum of conditions ever had	Cont
4	R4CONDE	R4CONDE:W4 Sum of conditions ever had	Cont
5	R5CONDE	R5CONDE:W5 Sum of conditions ever had	Cont
6	R6CONDE	R6CONDE:W6 Sum of conditions ever had	Cont
7	R7CONDE	R7CONDE:W7 Sum of conditions ever had	Cont
8	R8CONDE	R8CONDE:W8 Sum of conditions ever had	Cont
9	R9CONDE	R9CONDE:W9 Sum of conditions ever had	Cont
10	R10CONDE	R10CONDE:W10 Sum of conditions ever had	Cont
11	R11CONDE	R11CONDE:W11 Sum of conditions ever had	Cont
12	R12CONDE	R12CONDE:W12 Sum of conditions ever had	Cont
13	R13CONDE	R13CONDE:W13 Sum of conditions ever had	Cont
14	R14CONDE	R14CONDE:W14 Sum of conditions ever had	Cont
15	R15CONDE	R15CONDE:W15 Sum of conditions ever had	Cont
16	R16CONDE	R16CONDE:W16 Sum of conditions ever had	Cont

1	S1CONDE	S1CONDE:W1 Sum of conditions ever had	Cont
2	S2CONDE	S2CONDE:W2 Sum of conditions ever had	Cont
3	S3CONDE	S3CONDE:W3 Sum of conditions ever had	Cont
4	S4CONDE	S4CONDE:W4 Sum of conditions ever had	Cont
5	S5CONDE	S5CONDE:W5 Sum of conditions ever had	Cont
6	S6CONDE	S6CONDE:W6 Sum of conditions ever had	Cont
7	S7CONDE	S7CONDE:W7 Sum of conditions ever had	Cont
8	S8CONDE	S8CONDE:W8 Sum of conditions ever had	Cont
9	S9CONDE	S9CONDE:W9 Sum of conditions ever had	Cont
10	S10CONDE	S10CONDE:W10 Sum of conditions ever had	Cont
11	S11CONDE	S11CONDE:W11 Sum of conditions ever had	Cont
12	S12CONDE	S12CONDE:W12 Sum of conditions ever had	Cont
13	S13CONDE	S13CONDE:W13 Sum of conditions ever had	Cont
14	S14CONDE	S14CONDE:W14 Sum of conditions ever had	Cont
15	S15CONDE	S15CONDE:W15 Sum of conditions ever had	Cont
16	S16CONDE	S16CONDE:W16 Sum of conditions ever had	Cont

1	R1CONDEF	R1CONDEF:W1 # chg from dispute/sum ever	Cont
2	R2CONDEF	R2CONDEF:W2 # chg from dispute/sum ever	Cont
3	R3CONDEF	R3CONDEF:W3 # chg from dispute/sum ever	Cont
4	R4CONDEF	R4CONDEF:W4 # chg from dispute/sum ever	Cont
5	R5CONDEF	R5CONDEF:W5 # chg from dispute/sum ever	Cont
6	R6CONDEF	R6CONDEF:W6 # chg from dispute/sum ever	Cont
7	R7CONDEF	R7CONDEF:W7 # chg from dispute/sum ever	Cont
8	R8CONDEF	R8CONDEF:W8 # chg from dispute/sum ever	Cont
9	R9CONDEF	R9CONDEF:W9 # chg from dispute/sum ever	Cont
10	R10CONDEF	R10CONDEF:W10 # chg from dispute/sum ever	Cont
11	R11CONDEF	R11CONDEF:W11 # chg from dispute/sum ever	Cont
12	R12CONDEF	R12CONDEF:W12 # chg from dispute/sum ever	Cont
13	R13CONDEF	R13CONDEF:W13 # chg from dispute/sum ever	Cont
14	R14CONDEF	R14CONDEF:W14 # chg from dispute/sum ever	Cont
15	R15CONDEF	R15CONDEF:W15 # chg from dispute/sum ever	Cont
16	R16CONDEF	R16CONDEF:W16 # chg from dispute/sum ever	Cont

1	S1CONDEF	S1CONDEF:W1 # chg from dispute/sum ever	Cont
2	S2CONDEF	S2CONDEF:W2 # chg from dispute/sum ever	Cont
3	S3CONDEF	S3CONDEF:W3 # chg from dispute/sum ever	Cont
4	S4CONDEF	S4CONDEF:W4 # chg from dispute/sum ever	Cont
5	S5CONDEF	S5CONDEF:W5 # chg from dispute/sum ever	Cont
6	S6CONDEF	S6CONDEF:W6 # chg from dispute/sum ever	Cont
7	S7CONDEF	S7CONDEF:W7 # chg from dispute/sum ever	Cont
8	S8CONDEF	S8CONDEF:W8 # chg from dispute/sum ever	Cont
9	S9CONDEF	S9CONDEF:W9 # chg from dispute/sum ever	Cont
10	S10CONDEF	S10CONDEF:W10 # chg from dispute/sum ever	Cont
11	S11CONDEF	S11CONDEF:W11 # chg from dispute/sum ever	Cont
12	S12CONDEF	S12CONDEF:W12 # chg from dispute/sum ever	Cont
13	S13CONDEF	S13CONDEF:W13 # chg from dispute/sum ever	Cont
14	S14CONDEF	S14CONDEF:W14 # chg from dispute/sum ever	Cont
15	S15CONDEF	S15CONDEF:W15 # chg from dispute/sum ever	Cont
16	S16CONDEF	S16CONDEF:W16 # chg from dispute/sum ever	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HIBPE	12652	0.33	0.47	0.0	1.0
R2HIBPE	19642	0.40	0.49	0.0	1.0
R3HIBPE	17991	0.42	0.49	0.0	1.0
R4HIBPE	21384	0.43	0.49	0.0	1.0
R5HIBPE	19578	0.46	0.50	0.0	1.0
R6HIBPE	18165	0.50	0.50	0.0	1.0
R7HIBPE	20129	0.50	0.50	0.0	1.0
R8HIBPE	18469	0.55	0.50	0.0	1.0
R9HIBPE	17217	0.58	0.49	0.0	1.0
R10HIBPE	22034	0.56	0.50	0.0	1.0
R11HIBPE	20554	0.59	0.49	0.0	1.0
R12HIBPE	18747	0.62	0.49	0.0	1.0
R13HIBPE	20912	0.60	0.49	0.0	1.0
R14HIBPE	17146	0.62	0.48	0.0	1.0
R15HIBPE	15723	0.64	0.48	0.0	1.0
R16HIBPE	15787	0.65	0.48	0.0	1.0
S1HIBPE	9900	0.31	0.46	0.0	1.0
S2HIBPE	13090	0.37	0.48	0.0	1.0
S3HIBPE	11917	0.39	0.49	0.0	1.0
S4HIBPE	13980	0.40	0.49	0.0	1.0
S5HIBPE	12730	0.43	0.50	0.0	1.0
S6HIBPE	11639	0.47	0.50	0.0	1.0
S7HIBPE	12972	0.47	0.50	0.0	1.0
S8HIBPE	11735	0.51	0.50	0.0	1.0
S9HIBPE	10646	0.55	0.50	0.0	1.0
S10HIBPE	13513	0.53	0.50	0.0	1.0
S11HIBPE	12484	0.56	0.50	0.0	1.0
S12HIBPE	11012	0.58	0.49	0.0	1.0
S13HIBPE	11779	0.56	0.50	0.0	1.0
S14HIBPE	9358	0.59	0.49	0.0	1.0
S15HIBPE	8477	0.60	0.49	0.0	1.0
S16HIBPE	7840	0.61	0.49	0.0	1.0
RAHIBPEF	45165	0.08	0.92	0.0	16.0
S1HIBPEF	10279	0.06	0.80	0.0	16.0
S2HIBPEF	13610	0.07	0.84	0.0	16.0
S3HIBPEF	12269	0.07	0.86	0.0	16.0
S4HIBPEF	14454	0.08	0.94	0.0	16.0
S5HIBPEF	13007	0.08	0.94	0.0	16.0
S6HIBPEF	11822	0.09	0.98	0.0	16.0
S7HIBPEF	13307	0.09	1.00	0.0	16.0
S8HIBPEF	12002	0.09	1.02	0.0	16.0
S9HIBPEF	10953	0.09	1.03	0.0	16.0
S10HIBPEF	14145	0.09	1.04	0.0	16.0
S11HIBPEF	12986	0.09	1.06	0.0	16.0
S12HIBPEF	11521	0.10	1.08	0.0	16.0
S13HIBPEF	12688	0.08	1.02	0.0	16.0
S14HIBPEF	10267	0.08	1.02	0.0	16.0
S15HIBPEF	9367	0.08	1.02	0.0	16.0
S16HIBPEF	8986	0.06	0.86	0.0	16.0
R1HIBPF	12652	0.54	1.58	0.0	6.0
R2HIBPF	19642	0.51	1.58	0.0	6.0
R3HIBPF	17991	0.49	1.48	0.0	6.0

R4HIBPF	21384	0.41	1.37	0.0	6.0
R5HIBPF	19578	0.38	1.33	0.0	8.0
R6HIBPF	18165	0.42	1.53	0.0	10.0
R7HIBPF	20129	0.38	1.44	0.0	10.0
R8HIBPF	18469	0.36	1.42	0.0	10.0
R9HIBPF	17217	0.32	1.34	0.0	10.0
R10HIBPF	22034	0.27	1.26	0.0	10.0
R11HIBPF	20554	0.23	1.15	0.0	10.0
R12HIBPF	18747	0.18	1.04	0.0	10.0
R13HIBPF	20912	0.11	0.83	0.0	10.0
R14HIBPF	17146	0.06	0.67	0.0	10.0
R15HIBPF	15723	0.06	0.72	0.0	10.0
R16HIBPF	15787	0.04	0.56	0.0	10.0
S1HIBPF	9900	0.53	1.57	0.0	6.0
S2HIBPF	13090	0.51	1.58	0.0	6.0
S3HIBPF	11917	0.47	1.45	0.0	6.0
S4HIBPF	13980	0.41	1.37	0.0	6.0
S5HIBPF	12730	0.38	1.33	0.0	8.0
S6HIBPF	11639	0.41	1.48	0.0	10.0
S7HIBPF	12972	0.36	1.37	0.0	10.0
S8HIBPF	11735	0.35	1.40	0.0	10.0
S9HIBPF	10646	0.29	1.28	0.0	10.0
S10HIBPF	13513	0.27	1.24	0.0	10.0
S11HIBPF	12484	0.23	1.16	0.0	10.0
S12HIBPF	11012	0.17	1.01	0.0	10.0
S13HIBPF	11779	0.11	0.80	0.0	10.0
S14HIBPF	9358	0.06	0.65	0.0	10.0
S15HIBPF	8477	0.05	0.67	0.0	10.0
S16HIBPF	7840	0.03	0.52	0.0	10.0
R1DIABE	12652	0.09	0.29	0.0	1.0
R2DIABE	19642	0.12	0.32	0.0	1.0
R3DIABE	17991	0.13	0.33	0.0	1.0
R4DIABE	21384	0.13	0.34	0.0	1.0
R5DIABE	19578	0.14	0.35	0.0	1.0
R6DIABE	18165	0.17	0.37	0.0	1.0
R7DIABE	20129	0.17	0.38	0.0	1.0
R8DIABE	18469	0.19	0.39	0.0	1.0
R9DIABE	17217	0.21	0.41	0.0	1.0
R10DIABE	22034	0.21	0.41	0.0	1.0
R11DIABE	20554	0.23	0.42	0.0	1.0
R12DIABE	18747	0.25	0.43	0.0	1.0
R13DIABE	20912	0.26	0.44	0.0	1.0
R14DIABE	17146	0.28	0.45	0.0	1.0
R15DIABE	15723	0.30	0.46	0.0	1.0
R16DIABE	15787	0.32	0.47	0.0	1.0
S1DIABE	9900	0.09	0.28	0.0	1.0
S2DIABE	13090	0.11	0.31	0.0	1.0
S3DIABE	11917	0.12	0.32	0.0	1.0
S4DIABE	13980	0.12	0.33	0.0	1.0
S5DIABE	12730	0.14	0.34	0.0	1.0
S6DIABE	11639	0.16	0.37	0.0	1.0
S7DIABE	12972	0.16	0.37	0.0	1.0
S8DIABE	11735	0.18	0.39	0.0	1.0
S9DIABE	10646	0.20	0.40	0.0	1.0
S10DIABE	13513	0.21	0.41	0.0	1.0
S11DIABE	12484	0.22	0.42	0.0	1.0

S12DIABE	11012	0.24	0.43	0.0	1.0
S13DIABE	11779	0.25	0.43	0.0	1.0
S14DIABE	9358	0.28	0.45	0.0	1.0
S15DIABE	8477	0.29	0.45	0.0	1.0
S16DIABE	7840	0.31	0.46	0.0	1.0
RADIABEF	45165	0.05	0.71	0.0	16.0
S1DIABEF	10279	0.05	0.69	0.0	16.0
S2DIABEF	13610	0.05	0.70	0.0	16.0
S3DIABEF	12269	0.05	0.71	0.0	16.0
S4DIABEF	14454	0.05	0.72	0.0	16.0
S5DIABEF	13007	0.05	0.75	0.0	16.0
S6DIABEF	11822	0.05	0.75	0.0	16.0
S7DIABEF	13307	0.05	0.71	0.0	16.0
S8DIABEF	12002	0.05	0.74	0.0	16.0
S9DIABEF	10953	0.05	0.74	0.0	16.0
S10DIABEF	14145	0.05	0.73	0.0	16.0
S11DIABEF	12986	0.05	0.75	0.0	16.0
S12DIABEF	11521	0.05	0.75	0.0	16.0
S13DIABEF	12688	0.04	0.71	0.0	16.0
S14DIABEF	10267	0.04	0.71	0.0	16.0
S15DIABEF	9367	0.04	0.68	0.0	16.0
S16DIABEF	8986	0.03	0.60	0.0	16.0
R1DIABF	12652	0.24	1.05	0.0	6.0
R2DIABF	19642	0.20	0.98	0.0	6.0
R3DIABF	17991	0.20	0.93	0.0	6.0
R4DIABF	21384	0.19	0.91	0.0	6.0
R5DIABF	19578	0.19	0.90	0.0	8.0
R6DIABF	18165	0.20	1.00	0.0	10.0
R7DIABF	20129	0.19	0.96	0.0	10.0
R8DIABF	18469	0.19	0.98	0.0	10.0
R9DIABF	17217	0.18	0.95	0.0	10.0
R10DIABF	22034	0.18	0.97	0.0	10.0
R11DIABF	20554	0.16	0.91	0.0	10.0
R12DIABF	18747	0.13	0.83	0.0	10.0
R13DIABF	20912	0.10	0.73	0.0	10.0
R14DIABF	17146	0.07	0.65	0.0	10.0
R15DIABF	15723	0.06	0.60	0.0	10.0
R16DIABF	15787	0.02	0.38	0.0	10.0
S1DIABF	9900	0.24	1.04	0.0	6.0
S2DIABF	13090	0.22	1.01	0.0	6.0
S3DIABF	11917	0.21	0.95	0.0	6.0
S4DIABF	13980	0.20	0.92	0.0	6.0
S5DIABF	12730	0.19	0.91	0.0	8.0
S6DIABF	11639	0.20	0.99	0.0	10.0
S7DIABF	12972	0.19	0.96	0.0	10.0
S8DIABF	11735	0.19	0.97	0.0	10.0
S9DIABF	10646	0.17	0.93	0.0	10.0
S10DIABF	13513	0.17	0.95	0.0	10.0
S11DIABF	12484	0.15	0.87	0.0	10.0
S12DIABF	11012	0.12	0.78	0.0	10.0
S13DIABF	11779	0.09	0.69	0.0	10.0
S14DIABF	9358	0.07	0.63	0.0	10.0
S15DIABF	8477	0.05	0.57	0.0	10.0
S16DIABF	7840	0.02	0.31	0.0	10.0

R1CANCRE	12652	0.05	0.21	0.0	1.0
R2CANCRE	19642	0.08	0.28	0.0	1.0
R3CANCRE	17991	0.09	0.29	0.0	1.0
R4CANCRE	21384	0.10	0.30	0.0	1.0
R5CANCRE	19578	0.11	0.31	0.0	1.0
R6CANCRE	18165	0.13	0.33	0.0	1.0
R7CANCRE	20129	0.12	0.33	0.0	1.0
R8CANCRE	18469	0.14	0.34	0.0	1.0
R9CANCRE	17217	0.15	0.36	0.0	1.0
R10CANCRE	22034	0.13	0.34	0.0	1.0
R11CANCRE	20554	0.14	0.35	0.0	1.0
R12CANCRE	18747	0.15	0.36	0.0	1.0
R13CANCRE	20912	0.14	0.35	0.0	1.0
R14CANCRE	17146	0.15	0.36	0.0	1.0
R15CANCRE	15723	0.16	0.37	0.0	1.0
R16CANCRE	15787	0.16	0.37	0.0	1.0
S1CANCRE	9900	0.05	0.21	0.0	1.0
S2CANCRE	13090	0.08	0.27	0.0	1.0
S3CANCRE	11917	0.09	0.28	0.0	1.0
S4CANCRE	13980	0.10	0.29	0.0	1.0
S5CANCRE	12730	0.10	0.31	0.0	1.0
S6CANCRE	11639	0.12	0.33	0.0	1.0
S7CANCRE	12972	0.12	0.32	0.0	1.0
S8CANCRE	11735	0.13	0.34	0.0	1.0
S9CANCRE	10646	0.15	0.35	0.0	1.0
S10CANCRE	13513	0.13	0.34	0.0	1.0
S11CANCRE	12484	0.14	0.34	0.0	1.0
S12CANCRE	11012	0.15	0.35	0.0	1.0
S13CANCRE	11779	0.13	0.34	0.0	1.0
S14CANCRE	9358	0.15	0.36	0.0	1.0
S15CANCRE	8477	0.16	0.36	0.0	1.0
S16CANCRE	7840	0.16	0.37	0.0	1.0
RACANCREF	45165	0.05	0.75	0.0	16.0
S1CANCREF	10279	0.07	0.85	0.0	16.0
S2CANCREF	13610	0.05	0.75	0.0	16.0
S3CANCREF	12269	0.05	0.75	0.0	16.0
S4CANCREF	14454	0.06	0.80	0.0	16.0
S5CANCREF	13007	0.06	0.82	0.0	16.0
S6CANCREF	11822	0.07	0.87	0.0	16.0
S7CANCREF	13307	0.06	0.86	0.0	16.0
S8CANCREF	12002	0.07	0.93	0.0	16.0
S9CANCREF	10953	0.07	0.94	0.0	16.0
S10CANCREF	14145	0.07	0.92	0.0	16.0
S11CANCREF	12986	0.07	0.95	0.0	16.0
S12CANCREF	11521	0.07	0.94	0.0	16.0
S13CANCREF	12688	0.07	0.93	0.0	16.0
S14CANCREF	10267	0.07	0.95	0.0	16.0
S15CANCREF	9367	0.07	0.96	0.0	16.0
S16CANCREF	8986	0.06	0.91	0.0	16.0
R1CANCRF	12652	0.12	0.76	0.0	6.0
R2CANCRF	19642	0.13	0.79	0.0	6.0
R3CANCRF	17991	0.13	0.78	0.0	6.0
R4CANCRF	21384	0.11	0.74	0.0	6.0
R5CANCRF	19578	0.11	0.73	0.0	8.0
R6CANCRF	18165	0.13	0.86	0.0	10.0

R7CANCRF	20129	0.12	0.82	0.0	10.0
R8CANCRF	18469	0.12	0.85	0.0	10.0
R9CANCRF	17217	0.11	0.81	0.0	10.0
R10CANCRF	22034	0.10	0.78	0.0	10.0
R11CANCRF	20554	0.09	0.75	0.0	10.0
R12CANCRF	18747	0.08	0.70	0.0	10.0
R13CANCRF	20912	0.06	0.63	0.0	10.0
R14CANCRF	17146	0.06	0.62	0.0	10.0
R15CANCRF	15723	0.04	0.54	0.0	10.0
R16CANCRF	15787	0.02	0.40	0.0	10.0
S1CANCRF	9900	0.12	0.75	0.0	6.0
S2CANCRF	13090	0.13	0.79	0.0	6.0
S3CANCRF	11917	0.13	0.77	0.0	6.0
S4CANCRF	13980	0.11	0.73	0.0	6.0
S5CANCRF	12730	0.11	0.72	0.0	8.0
S6CANCRF	11639	0.12	0.82	0.0	10.0
S7CANCRF	12972	0.10	0.74	0.0	10.0
S8CANCRF	11735	0.11	0.80	0.0	10.0
S9CANCRF	10646	0.10	0.75	0.0	10.0
S10CANCRF	13513	0.09	0.74	0.0	10.0
S11CANCRF	12484	0.09	0.72	0.0	10.0
S12CANCRF	11012	0.07	0.64	0.0	10.0
S13CANCRF	11779	0.06	0.59	0.0	10.0
S14CANCRF	9358	0.06	0.63	0.0	10.0
S15CANCRF	8477	0.04	0.53	0.0	10.0
S16CANCRF	7840	0.03	0.46	0.0	10.0
R1LUNGE	12652	0.05	0.22	0.0	1.0
R2LUNGE	19642	0.07	0.26	0.0	1.0
R3LUNGE	17991	0.07	0.26	0.0	1.0
R4LUNGE	21384	0.07	0.25	0.0	1.0
R5LUNGE	19578	0.07	0.26	0.0	1.0
R6LUNGE	18165	0.08	0.27	0.0	1.0
R7LUNGE	20129	0.08	0.27	0.0	1.0
R8LUNGE	18469	0.09	0.28	0.0	1.0
R9LUNGE	17217	0.10	0.30	0.0	1.0
R10LUNGE	22034	0.09	0.29	0.0	1.0
R11LUNGE	20554	0.10	0.30	0.0	1.0
R12LUNGE	18747	0.10	0.30	0.0	1.0
R13LUNGE	20912	0.10	0.30	0.0	1.0
R14LUNGE	17146	0.11	0.32	0.0	1.0
R15LUNGE	15723	0.12	0.32	0.0	1.0
R16LUNGE	15787	0.11	0.31	0.0	1.0
S1LUNGE	9900	0.05	0.21	0.0	1.0
S2LUNGE	13090	0.06	0.25	0.0	1.0
S3LUNGE	11917	0.06	0.24	0.0	1.0
S4LUNGE	13980	0.06	0.24	0.0	1.0
S5LUNGE	12730	0.07	0.25	0.0	1.0
S6LUNGE	11639	0.07	0.25	0.0	1.0
S7LUNGE	12972	0.07	0.25	0.0	1.0
S8LUNGE	11735	0.08	0.27	0.0	1.0
S9LUNGE	10646	0.08	0.28	0.0	1.0
S10LUNGE	13513	0.08	0.27	0.0	1.0
S11LUNGE	12484	0.08	0.28	0.0	1.0
S12LUNGE	11012	0.09	0.28	0.0	1.0
S13LUNGE	11779	0.09	0.28	0.0	1.0
S14LUNGE	9358	0.09	0.29	0.0	1.0

S15LUNGE	8477	0.09	0.29	0.0	1.0
S16LUNGE	7840	0.09	0.28	0.0	1.0
RALUNGEF	45165	0.04	0.72	0.0	16.0
S1LUNGEF	10279	0.05	0.76	0.0	16.0
S2LUNGEF	13610	0.05	0.72	0.0	16.0
S3LUNGEF	12269	0.05	0.74	0.0	16.0
S4LUNGEF	14454	0.05	0.77	0.0	16.0
S5LUNGEF	13007	0.06	0.83	0.0	16.0
S6LUNGEF	11822	0.06	0.85	0.0	16.0
S7LUNGEF	13307	0.06	0.81	0.0	16.0
S8LUNGEF	12002	0.06	0.87	0.0	16.0
S9LUNGEF	10953	0.07	0.90	0.0	16.0
S10LUNGEF	14145	0.05	0.81	0.0	16.0
S11LUNGEF	12986	0.06	0.85	0.0	16.0
S12LUNGEF	11521	0.06	0.86	0.0	16.0
S13LUNGEF	12688	0.05	0.82	0.0	16.0
S14LUNGEF	10267	0.05	0.83	0.0	16.0
S15LUNGEF	9367	0.05	0.81	0.0	16.0
S16LUNGEF	8986	0.04	0.73	0.0	16.0
R1LUNGF	12652	0.31	1.22	0.0	6.0
R2LUNGF	19642	0.30	1.23	0.0	6.0
R3LUNGF	17991	0.28	1.15	0.0	6.0
R4LUNGF	21384	0.23	1.05	0.0	6.0
R5LUNGF	19578	0.21	0.99	0.0	8.0
R6LUNGF	18165	0.22	1.10	0.0	10.0
R7LUNGF	20129	0.20	1.05	0.0	10.0
R8LUNGF	18469	0.19	1.03	0.0	10.0
R9LUNGF	17217	0.17	0.98	0.0	10.0
R10LUNGF	22034	0.14	0.89	0.0	10.0
R11LUNGF	20554	0.12	0.81	0.0	10.0
R12LUNGF	18747	0.10	0.77	0.0	10.0
R13LUNGF	20912	0.07	0.65	0.0	10.0
R14LUNGF	17146	0.05	0.59	0.0	10.0
R15LUNGF	15723	0.04	0.51	0.0	10.0
R16LUNGF	15787	0.03	0.47	0.0	10.0
S1LUNGF	9900	0.29	1.18	0.0	6.0
S2LUNGF	13090	0.29	1.22	0.0	6.0
S3LUNGF	11917	0.28	1.15	0.0	6.0
S4LUNGF	13980	0.23	1.05	0.0	6.0
S5LUNGF	12730	0.20	0.99	0.0	8.0
S6LUNGF	11639	0.21	1.06	0.0	10.0
S7LUNGF	12972	0.18	0.96	0.0	10.0
S8LUNGF	11735	0.17	0.97	0.0	10.0
S9LUNGF	10646	0.15	0.92	0.0	10.0
S10LUNGF	13513	0.12	0.80	0.0	10.0
S11LUNGF	12484	0.10	0.75	0.0	10.0
S12LUNGF	11012	0.09	0.75	0.0	10.0
S13LUNGF	11779	0.06	0.66	0.0	10.0
S14LUNGF	9358	0.04	0.57	0.0	10.0
S15LUNGF	8477	0.03	0.44	0.0	10.0
S16LUNGF	7840	0.02	0.45	0.0	10.0
R1HEARTE	12652	0.11	0.31	0.0	1.0
R2HEARTE	19642	0.18	0.39	0.0	1.0
R3HEARTE	17991	0.20	0.40	0.0	1.0

R4HEARTE	21384	0.20	0.40	0.0	1.0
R5HEARTE	19578	0.21	0.41	0.0	1.0
R6HEARTE	18165	0.23	0.42	0.0	1.0
R7HEARTE	20129	0.22	0.41	0.0	1.0
R8HEARTE	18469	0.24	0.43	0.0	1.0
R9HEARTE	17217	0.25	0.43	0.0	1.0
R10HEARTE	22034	0.22	0.41	0.0	1.0
R11HEARTE	20554	0.23	0.42	0.0	1.0
R12HEARTE	18747	0.25	0.43	0.0	1.0
R13HEARTE	20912	0.23	0.42	0.0	1.0
R14HEARTE	17146	0.24	0.43	0.0	1.0
R15HEARTE	15723	0.25	0.43	0.0	1.0
R16HEARTE	15787	0.26	0.44	0.0	1.0
S1HEARTE	9900	0.10	0.31	0.0	1.0
S2HEARTE	13090	0.16	0.37	0.0	1.0
S3HEARTE	11917	0.18	0.39	0.0	1.0
S4HEARTE	13980	0.18	0.39	0.0	1.0
S5HEARTE	12730	0.19	0.40	0.0	1.0
S6HEARTE	11639	0.21	0.41	0.0	1.0
S7HEARTE	12972	0.20	0.40	0.0	1.0
S8HEARTE	11735	0.22	0.41	0.0	1.0
S9HEARTE	10646	0.23	0.42	0.0	1.0
S10HEARTE	13513	0.21	0.40	0.0	1.0
S11HEARTE	12484	0.22	0.41	0.0	1.0
S12HEARTE	11012	0.23	0.42	0.0	1.0
S13HEARTE	11779	0.21	0.41	0.0	1.0
S14HEARTE	9358	0.23	0.42	0.0	1.0
S15HEARTE	8477	0.23	0.42	0.0	1.0
S16HEARTE	7840	0.24	0.43	0.0	1.0
RAHEARTEF	45165	0.05	0.79	0.0	16.0
S1HEARTEF	10279	0.06	0.81	0.0	16.0
S2HEARTEF	13610	0.06	0.80	0.0	16.0
S3HEARTEF	12269	0.06	0.82	0.0	16.0
S4HEARTEF	14454	0.06	0.82	0.0	16.0
S5HEARTEF	13007	0.07	0.84	0.0	16.0
S6HEARTEF	11822	0.07	0.87	0.0	16.0
S7HEARTEF	13307	0.07	0.87	0.0	16.0
S8HEARTEF	12002	0.07	0.90	0.0	16.0
S9HEARTEF	10953	0.07	0.93	0.0	16.0
S10HEARTEF	14145	0.06	0.86	0.0	16.0
S11HEARTEF	12986	0.07	0.90	0.0	16.0
S12HEARTEF	11521	0.06	0.90	0.0	16.0
S13HEARTEF	12688	0.05	0.81	0.0	16.0
S14HEARTEF	10267	0.04	0.78	0.0	16.0
S15HEARTEF	9367	0.05	0.79	0.0	16.0
S16HEARTEF	8986	0.04	0.76	0.0	16.0
R1HEARTF	12652	0.33	1.23	0.0	6.0
R2HEARTF	19642	0.34	1.29	0.0	6.0
R3HEARTF	17991	0.33	1.24	0.0	6.0
R4HEARTF	21384	0.29	1.16	0.0	6.0
R5HEARTF	19578	0.28	1.15	0.0	8.0
R6HEARTF	18165	0.33	1.36	0.0	10.0
R7HEARTF	20129	0.30	1.32	0.0	10.0
R8HEARTF	18469	0.29	1.28	0.0	10.0
R9HEARTF	17217	0.26	1.22	0.0	10.0

R10HEARTF	22034	0.21	1.12	0.0	10.0
R11HEARTF	20554	0.18	1.03	0.0	10.0
R12HEARTF	18747	0.14	0.93	0.0	10.0
R13HEARTF	20912	0.10	0.76	0.0	10.0
R14HEARTF	17146	0.06	0.63	0.0	10.0
R15HEARTF	15723	0.06	0.67	0.0	10.0
R16HEARTF	15787	0.03	0.46	0.0	10.0
S1HEARTF	9900	0.32	1.23	0.0	6.0
S2HEARTF	13090	0.35	1.30	0.0	6.0
S3HEARTF	11917	0.34	1.24	0.0	6.0
S4HEARTF	13980	0.29	1.16	0.0	6.0
S5HEARTF	12730	0.28	1.14	0.0	8.0
S6HEARTF	11639	0.31	1.30	0.0	10.0
S7HEARTF	12972	0.27	1.23	0.0	10.0
S8HEARTF	11735	0.25	1.17	0.0	10.0
S9HEARTF	10646	0.23	1.15	0.0	10.0
S10HEARTF	13513	0.18	1.04	0.0	10.0
S11HEARTF	12484	0.16	0.96	0.0	10.0
S12HEARTF	11012	0.13	0.86	0.0	10.0
S13HEARTF	11779	0.09	0.73	0.0	10.0
S14HEARTF	9358	0.06	0.63	0.0	10.0
S15HEARTF	8477	0.07	0.72	0.0	10.0
S16HEARTF	7840	0.03	0.48	0.0	10.0
R1STROKE	12652	0.03	0.16	0.0	1.0
R2STROKE	19642	0.06	0.23	0.0	1.0
R3STROKE	17991	0.07	0.25	0.0	1.0
R4STROKE	21384	0.07	0.26	0.0	1.0
R5STROKE	19578	0.08	0.27	0.0	1.0
R6STROKE	18165	0.09	0.28	0.0	1.0
R7STROKE	20129	0.08	0.27	0.0	1.0
R8STROKE	18469	0.09	0.28	0.0	1.0
R9STROKE	17217	0.09	0.29	0.0	1.0
R10STROKE	22034	0.08	0.28	0.0	1.0
R11STROKE	20554	0.09	0.29	0.0	1.0
R12STROKE	18747	0.09	0.29	0.0	1.0
R13STROKE	20912	0.09	0.28	0.0	1.0
R14STROKE	17146	0.09	0.29	0.0	1.0
R15STROKE	15723	0.09	0.29	0.0	1.0
R16STROKE	15787	0.09	0.29	0.0	1.0
S1STROKE	9900	0.03	0.16	0.0	1.0
S2STROKE	13090	0.05	0.21	0.0	1.0
S3STROKE	11917	0.06	0.23	0.0	1.0
S4STROKE	13980	0.06	0.23	0.0	1.0
S5STROKE	12730	0.06	0.24	0.0	1.0
S6STROKE	11639	0.07	0.25	0.0	1.0
S7STROKE	12972	0.06	0.24	0.0	1.0
S8STROKE	11735	0.07	0.26	0.0	1.0
S9STROKE	10646	0.08	0.27	0.0	1.0
S10STROKE	13513	0.07	0.25	0.0	1.0
S11STROKE	12484	0.07	0.26	0.0	1.0
S12STROKE	11012	0.08	0.26	0.0	1.0
S13STROKE	11779	0.07	0.26	0.0	1.0
S14STROKE	9358	0.07	0.26	0.0	1.0
S15STROKE	8477	0.07	0.26	0.0	1.0
S16STROKE	7840	0.08	0.27	0.0	1.0

RASTROKEF	45165	0.04	0.66	0.0	16.0
S1STROKEF	10279	0.04	0.65	0.0	16.0
S2STROKEF	13610	0.04	0.63	0.0	16.0
S3STROKEF	12269	0.04	0.66	0.0	16.0
S4STROKEF	14454	0.04	0.67	0.0	16.0
S5STROKEF	13007	0.04	0.70	0.0	16.0
S6STROKEF	11822	0.05	0.74	0.0	16.0
S7STROKEF	13307	0.05	0.78	0.0	16.0
S8STROKEF	12002	0.06	0.85	0.0	16.0
S9STROKEF	10953	0.06	0.84	0.0	16.0
S10STROKEF	14145	0.05	0.77	0.0	16.0
S11STROKEF	12986	0.05	0.78	0.0	16.0
S12STROKEF	11521	0.04	0.75	0.0	16.0
S13STROKEF	12688	0.03	0.67	0.0	16.0
S14STROKEF	10267	0.03	0.69	0.0	16.0
S15STROKEF	9367	0.03	0.66	0.0	16.0
S16STROKEF	8986	0.02	0.60	0.0	16.0
R1STROKF	12652	0.08	0.60	0.0	6.0
R2STROKF	19642	0.08	0.64	0.0	6.0
R3STROKF	17991	0.08	0.62	0.0	6.0
R4STROKF	21384	0.07	0.56	0.0	6.0
R5STROKF	19578	0.06	0.53	0.0	8.0
R6STROKF	18165	0.09	0.75	0.0	10.0
R7STROKF	20129	0.08	0.72	0.0	10.0
R8STROKF	18469	0.08	0.73	0.0	10.0
R9STROKF	17217	0.08	0.72	0.0	10.0
R10STROKF	22034	0.07	0.69	0.0	10.0
R11STROKF	20554	0.06	0.62	0.0	10.0
R12STROKF	18747	0.05	0.57	0.0	10.0
R13STROKF	20912	0.04	0.53	0.0	10.0
R14STROKF	17146	0.03	0.43	0.0	10.0
R15STROKF	15723	0.02	0.40	0.0	10.0
R16STROKF	15787	0.02	0.37	0.0	10.0
S1STROKF	9900	0.07	0.56	0.0	6.0
S2STROKF	13090	0.08	0.62	0.0	6.0
S3STROKF	11917	0.08	0.60	0.0	6.0
S4STROKF	13980	0.07	0.55	0.0	6.0
S5STROKF	12730	0.06	0.52	0.0	8.0
S6STROKF	11639	0.07	0.63	0.0	10.0
S7STROKF	12972	0.06	0.57	0.0	10.0
S8STROKF	11735	0.06	0.60	0.0	10.0
S9STROKF	10646	0.06	0.64	0.0	10.0
S10STROKF	13513	0.06	0.60	0.0	10.0
S11STROKF	12484	0.05	0.54	0.0	10.0
S12STROKF	11012	0.04	0.49	0.0	10.0
S13STROKF	11779	0.03	0.41	0.0	10.0
S14STROKF	9358	0.02	0.39	0.0	10.0
S15STROKF	8477	0.01	0.31	0.0	10.0
S16STROKF	7840	0.02	0.38	0.0	10.0
R1PSYCHE	12652	0.07	0.25	0.0	1.0
R2PSYCHE	19642	0.08	0.27	0.0	1.0
R3PSYCHE	17991	0.09	0.29	0.0	1.0
R4PSYCHE	21384	0.10	0.30	0.0	1.0
R5PSYCHE	19578	0.11	0.31	0.0	1.0
R6PSYCHE	18165	0.13	0.33	0.0	1.0

R7PSYCHE	20129	0.14	0.34	0.0	1.0
R8PSYCHE	18469	0.15	0.36	0.0	1.0
R9PSYCHE	17217	0.17	0.37	0.0	1.0
R10PSYCHE	22034	0.17	0.38	0.0	1.0
R11PSYCHE	20554	0.19	0.39	0.0	1.0
R12PSYCHE	18747	0.20	0.40	0.0	1.0
R13PSYCHE	20912	0.21	0.41	0.0	1.0
R14PSYCHE	17146	0.22	0.42	0.0	1.0
R15PSYCHE	15723	0.23	0.42	0.0	1.0
R16PSYCHE	15787	0.24	0.43	0.0	1.0
S1PSYCHE	9900	0.06	0.23	0.0	1.0
S2PSYCHE	13090	0.07	0.25	0.0	1.0
S3PSYCHE	11917	0.08	0.27	0.0	1.0
S4PSYCHE	13980	0.08	0.28	0.0	1.0
S5PSYCHE	12730	0.09	0.29	0.0	1.0
S6PSYCHE	11639	0.11	0.31	0.0	1.0
S7PSYCHE	12972	0.11	0.32	0.0	1.0
S8PSYCHE	11735	0.13	0.34	0.0	1.0
S9PSYCHE	10646	0.14	0.35	0.0	1.0
S10PSYCHE	13513	0.14	0.35	0.0	1.0
S11PSYCHE	12484	0.16	0.36	0.0	1.0
S12PSYCHE	11012	0.17	0.37	0.0	1.0
S13PSYCHE	11779	0.17	0.38	0.0	1.0
S14PSYCHE	9358	0.18	0.39	0.0	1.0
S15PSYCHE	8477	0.19	0.39	0.0	1.0
S16PSYCHE	7840	0.20	0.40	0.0	1.0
RAPSYCHEF	45165	0.06	0.85	0.0	16.0
S1PSYCHEF	10279	0.06	0.84	0.0	16.0
S2PSYCHEF	13610	0.07	0.85	0.0	16.0
S3PSYCHEF	12269	0.07	0.88	0.0	16.0
S4PSYCHEF	14454	0.07	0.90	0.0	16.0
S5PSYCHEF	13007	0.08	0.93	0.0	16.0
S6PSYCHEF	11822	0.09	1.01	0.0	16.0
S7PSYCHEF	13307	0.09	1.00	0.0	16.0
S8PSYCHEF	12002	0.09	1.03	0.0	16.0
S9PSYCHEF	10953	0.09	1.04	0.0	16.0
S10PSYCHEF	14145	0.07	0.94	0.0	16.0
S11PSYCHEF	12986	0.07	0.93	0.0	16.0
S12PSYCHEF	11521	0.07	0.91	0.0	16.0
S13PSYCHEF	12688	0.06	0.89	0.0	16.0
S14PSYCHEF	10267	0.07	0.94	0.0	16.0
S15PSYCHEF	9367	0.06	0.92	0.0	16.0
S16PSYCHEF	8986	0.05	0.84	0.0	16.0
R1PSYCHF	12652	0.48	1.48	0.0	6.0
R2PSYCHF	19642	0.46	1.51	0.0	6.0
R3PSYCHF	17991	0.46	1.45	0.0	6.0
R4PSYCHF	21384	0.39	1.36	0.0	6.0
R5PSYCHF	19578	0.36	1.31	0.0	8.0
R6PSYCHF	18165	0.38	1.45	0.0	10.0
R7PSYCHF	20129	0.34	1.39	0.0	10.0
R8PSYCHF	18469	0.31	1.35	0.0	10.0
R9PSYCHF	17217	0.29	1.32	0.0	10.0
R10PSYCHF	22034	0.22	1.17	0.0	10.0
R11PSYCHF	20554	0.20	1.14	0.0	10.0
R12PSYCHF	18747	0.15	0.97	0.0	10.0

R13PSYCHF	20912	0.09	0.81	0.0	10.0
R14PSYCHF	17146	0.06	0.71	0.0	10.0
R15PSYCHF	15723	0.06	0.72	0.0	10.0
R16PSYCHF	15787	0.04	0.59	0.0	10.0
S1PSYCHF	9900	0.45	1.43	0.0	6.0
S2PSYCHF	13090	0.45	1.49	0.0	6.0
S3PSYCHF	11917	0.44	1.42	0.0	6.0
S4PSYCHF	13980	0.37	1.32	0.0	6.0
S5PSYCHF	12730	0.33	1.26	0.0	8.0
S6PSYCHF	11639	0.34	1.36	0.0	10.0
S7PSYCHF	12972	0.29	1.27	0.0	10.0
S8PSYCHF	11735	0.26	1.22	0.0	10.0
S9PSYCHF	10646	0.24	1.19	0.0	10.0
S10PSYCHF	13513	0.18	1.05	0.0	10.0
S11PSYCHF	12484	0.16	1.02	0.0	10.0
S12PSYCHF	11012	0.12	0.86	0.0	10.0
S13PSYCHF	11779	0.07	0.71	0.0	10.0
S14PSYCHF	9358	0.05	0.63	0.0	10.0
S15PSYCHF	8477	0.05	0.63	0.0	10.0
S16PSYCHF	7840	0.04	0.58	0.0	10.0
R1ARTHRE	12652	0.33	0.47	0.0	1.0
R2ARTHRE	19642	0.33	0.47	0.0	1.0
R3ARTHRE	17991	0.46	0.50	0.0	1.0
R4ARTHRE	21384	0.48	0.50	0.0	1.0
R5ARTHRE	19578	0.52	0.50	0.0	1.0
R6ARTHRE	18165	0.56	0.50	0.0	1.0
R7ARTHRE	20129	0.54	0.50	0.0	1.0
R8ARTHRE	18469	0.57	0.49	0.0	1.0
R9ARTHRE	17217	0.60	0.49	0.0	1.0
R10ARTHRE	22034	0.53	0.50	0.0	1.0
R11ARTHRE	20554	0.56	0.50	0.0	1.0
R12ARTHRE	18747	0.59	0.49	0.0	1.0
R13ARTHRE	20912	0.55	0.50	0.0	1.0
R14ARTHRE	17146	0.59	0.49	0.0	1.0
R15ARTHRE	15723	0.61	0.49	0.0	1.0
R16ARTHRE	15787	0.59	0.49	0.0	1.0
S1ARTHRE	9900	0.31	0.46	0.0	1.0
S2ARTHRE	13090	0.31	0.46	0.0	1.0
S3ARTHRE	11917	0.42	0.49	0.0	1.0
S4ARTHRE	13980	0.44	0.50	0.0	1.0
S5ARTHRE	12730	0.48	0.50	0.0	1.0
S6ARTHRE	11639	0.52	0.50	0.0	1.0
S7ARTHRE	12972	0.50	0.50	0.0	1.0
S8ARTHRE	11735	0.53	0.50	0.0	1.0
S9ARTHRE	10646	0.56	0.50	0.0	1.0
S10ARTHRE	13513	0.49	0.50	0.0	1.0
S11ARTHRE	12484	0.53	0.50	0.0	1.0
S12ARTHRE	11012	0.55	0.50	0.0	1.0
S13ARTHRE	11779	0.51	0.50	0.0	1.0
S14ARTHRE	9358	0.54	0.50	0.0	1.0
S15ARTHRE	8477	0.56	0.50	0.0	1.0
S16ARTHRE	7840	0.55	0.50	0.0	1.0
RAARTHREF	45165	0.07	0.87	0.0	16.0
S1ARTHREF	10279	0.08	0.92	0.0	16.0

S2ARTHREF	13610	0.08	0.91	0.0	16.0
S3ARTHREF	12269	0.09	0.95	0.0	16.0
S4ARTHREF	14454	0.09	0.96	0.0	16.0
S5ARTHREF	13007	0.09	0.99	0.0	16.0
S6ARTHREF	11822	0.10	1.01	0.0	16.0
S7ARTHREF	13307	0.09	0.99	0.0	16.0
S8ARTHREF	12002	0.10	1.04	0.0	16.0
S9ARTHREF	10953	0.10	1.04	0.0	16.0
S10ARTHREF	14145	0.09	1.00	0.0	16.0
S11ARTHREF	12986	0.09	1.02	0.0	16.0
S12ARTHREF	11521	0.08	1.01	0.0	16.0
S13ARTHREF	12688	0.07	0.90	0.0	16.0
S14ARTHREF	10267	0.07	0.95	0.0	16.0
S15ARTHREF	9367	0.07	0.93	0.0	16.0
S16ARTHREF	8986	0.06	0.83	0.0	16.0
R1ARTHRF	12652	0.59	1.61	0.0	6.0
R2ARTHRF	19642	0.51	1.53	0.0	6.0
R3ARTHRF	17991	0.54	1.55	0.0	6.0
R4ARTHRF	21384	0.49	1.50	0.0	6.0
R5ARTHRF	19578	0.46	1.48	0.0	8.0
R6ARTHRF	18165	0.54	1.73	0.0	10.0
R7ARTHRF	20129	0.47	1.62	0.0	10.0
R8ARTHRF	18469	0.47	1.67	0.0	10.0
R9ARTHRF	17217	0.42	1.57	0.0	10.0
R10ARTHRF	22034	0.32	1.39	0.0	10.0
R11ARTHRF	20554	0.28	1.32	0.0	10.0
R12ARTHRF	18747	0.22	1.17	0.0	10.0
R13ARTHRF	20912	0.14	0.97	0.0	10.0
R14ARTHRF	17146	0.10	0.83	0.0	10.0
R15ARTHRF	15723	0.10	0.87	0.0	10.0
R16ARTHRF	15787	0.06	0.75	0.0	10.0
S1ARTHRF	9900	0.59	1.62	0.0	6.0
S2ARTHRF	13090	0.56	1.61	0.0	6.0
S3ARTHRF	11917	0.58	1.60	0.0	6.0
S4ARTHRF	13980	0.51	1.53	0.0	6.0
S5ARTHRF	12730	0.48	1.50	0.0	8.0
S6ARTHRF	11639	0.54	1.70	0.0	10.0
S7ARTHRF	12972	0.47	1.60	0.0	10.0
S8ARTHRF	11735	0.48	1.68	0.0	10.0
S9ARTHRF	10646	0.41	1.54	0.0	10.0
S10ARTHRF	13513	0.31	1.38	0.0	10.0
S11ARTHRF	12484	0.27	1.29	0.0	10.0
S12ARTHRF	11012	0.21	1.15	0.0	10.0
S13ARTHRF	11779	0.13	0.92	0.0	10.0
S14ARTHRF	9358	0.09	0.79	0.0	10.0
S15ARTHRF	8477	0.10	0.87	0.0	10.0
S16ARTHRF	7840	0.07	0.76	0.0	10.0
R13SLEEPE	20912	0.15	0.36	0.0	1.0
R14SLEEPE	17146	0.19	0.39	0.0	1.0
R15SLEEPE	15723	0.21	0.40	0.0	1.0
R16SLEEPE	15787	0.22	0.42	0.0	1.0
S13SLEEPE	11779	0.15	0.36	0.0	1.0
S14SLEEPE	9358	0.19	0.39	0.0	1.0
S15SLEEPE	8477	0.21	0.41	0.0	1.0
S16SLEEPE	7840	0.22	0.42	0.0	1.0

RASLEEPEF	45165	0.06	0.96	0.0	16.0
S13SLEEPEF	12688	0.10	1.19	0.0	16.0
S14SLEEPEF	10267	0.11	1.28	0.0	16.0
S15SLEEPEF	9367	0.10	1.20	0.0	16.0
S16SLEEPEF	8986	0.08	1.09	0.0	16.0
R1CONDE	12652	1.05	1.13	0.0	7.0
R2CONDE	19642	1.31	1.22	0.0	7.0
R3CONDE	17991	1.53	1.31	0.0	8.0
R4CONDE	21384	1.58	1.34	0.0	8.0
R5CONDE	19578	1.72	1.37	0.0	8.0
R6CONDE	18165	1.88	1.41	0.0	8.0
R7CONDE	20129	1.85	1.44	0.0	8.0
R8CONDE	18469	2.02	1.46	0.0	8.0
R9CONDE	17217	2.14	1.48	0.0	8.0
R10CONDE	22034	2.00	1.51	0.0	8.0
R11CONDE	20554	2.14	1.53	0.0	8.0
R12CONDE	18747	2.25	1.54	0.0	8.0
R13CONDE	20912	2.17	1.56	0.0	8.0
R14CONDE	17146	2.31	1.56	0.0	8.0
R15CONDE	15723	2.39	1.56	0.0	8.0
R16CONDE	15787	2.42	1.57	0.0	8.0
S1CONDE	9900	1.00	1.09	0.0	7.0
S2CONDE	13090	1.21	1.17	0.0	7.0
S3CONDE	11917	1.40	1.26	0.0	7.0
S4CONDE	13980	1.44	1.28	0.0	8.0
S5CONDE	12730	1.58	1.32	0.0	8.0
S6CONDE	11639	1.73	1.35	0.0	8.0
S7CONDE	12972	1.70	1.38	0.0	8.0
S8CONDE	11735	1.86	1.41	0.0	8.0
S9CONDE	10646	1.99	1.43	0.0	8.0
S10CONDE	13513	1.86	1.46	0.0	8.0
S11CONDE	12484	1.98	1.48	0.0	8.0
S12CONDE	11012	2.07	1.50	0.0	8.0
S13CONDE	11779	2.00	1.51	0.0	8.0
S14CONDE	9358	2.13	1.51	0.0	8.0
S15CONDE	8477	2.20	1.52	0.0	8.0
S16CONDE	7840	2.24	1.52	0.0	8.0
R1CONDEF	12652	0.23	0.51	0.0	5.0
R2CONDEF	19642	0.27	0.56	0.0	6.0
R3CONDEF	17991	0.35	0.64	0.0	6.0
R4CONDEF	21384	0.27	0.56	0.0	6.0
R5CONDEF	19578	0.26	0.55	0.0	6.0
R6CONDEF	18165	0.25	0.53	0.0	5.0
R7CONDEF	20129	0.24	0.53	0.0	5.0
R8CONDEF	18469	0.24	0.53	0.0	5.0
R9CONDEF	17217	0.23	0.52	0.0	6.0
R10CONDEF	22034	0.19	0.47	0.0	6.0
R11CONDEF	20554	0.18	0.46	0.0	5.0
R12CONDEF	18747	0.15	0.42	0.0	4.0
R13CONDEF	20912	0.10	0.34	0.0	4.0
R14CONDEF	17146	0.06	0.27	0.0	6.0
R15CONDEF	15723	0.05	0.23	0.0	3.0
R16CONDEF	15787	0.02	0.16	0.0	2.0

S1CONDEF	9900	0.22	0.50	0.0	5.0
S2CONDEF	13090	0.26	0.55	0.0	5.0
S3CONDEF	11917	0.33	0.62	0.0	5.0
S4CONDEF	13980	0.26	0.54	0.0	5.0
S5CONDEF	12730	0.24	0.53	0.0	5.0
S6CONDEF	11639	0.23	0.51	0.0	4.0
S7CONDEF	12972	0.22	0.50	0.0	4.0
S8CONDEF	11735	0.21	0.49	0.0	5.0
S9CONDEF	10646	0.21	0.48	0.0	4.0
S10CONDEF	13513	0.17	0.44	0.0	4.0
S11CONDEF	12484	0.16	0.42	0.0	4.0
S12CONDEF	11012	0.13	0.39	0.0	4.0
S13CONDEF	11779	0.09	0.32	0.0	4.0
S14CONDEF	9358	0.06	0.26	0.0	6.0
S15CONDEF	8477	0.04	0.21	0.0	3.0
S16CONDEF	7840	0.02	0.15	0.0	2.0

Categorical Variable Codes

RwHIBPE: R ever had high blood pressure

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	8465	11872	10494	12230	10577	9047	9976	8359	7209	9594
1.Yes	4187	7770	7497	9154	9001	9118	10153	10110	10008	12440

Value	w11	w12	w13	w14	w15	w16
0.No	8359	7198	8429	6473	5662	5569
1.Yes	12195	11549	12483	10673	10061	10218

SwHIBPE: S ever had high blood pressure

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	6785	8243	7275	8384	7222	6113	6832	5701	4805	6342
1.Yes	3115	4847	4642	5596	5508	5526	6140	6034	5841	7171

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	5497	4661	5160	3859	3352	3028
1.Yes	6987	6351	6619	5499	5125	4812

RwHIBPF: Flag dispute chg hi BP

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No dispute,no change	11292	17732	16061	19510	17987	16702	18666	17226	16189	20941
3.Disp,set to N			508	325	291	213	231	220	205	194
4.Disp aft,already N	679	729	603	741	613	478	450	315	208	200
6.Disp aft,Y->N	681	1181	819	808	680	638	671	596	530	592
8.Disp prev wv,but now Y					7	5	4	5	9	11
10.NewR=not ever,but PrvR=Y						129	107	107	76	96

Value	w11	w12	w13	w14	w15	w16
0.No dispute,no change	19654	18123	20438	16962	15580	15706
3.Disp,set to N	264	193	254	61	45	35
4.Disp aft,already N	117	46	35	8		
6.Disp aft,Y->N	428	306	98	68	32	
8.Disp prev wv,but now Y	10	13	11			
10.NewR=not ever,but PrvR=Y	81	66	76	47	66	46

SwHIBPF: Flag dispute chg hi BP

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No dispute,no change	8850	11799	10670	12768	11691	10710	12064	10963	10048	12855
3.Disp,set to N			324	181	168	136	136	121	111	105
4.Disp aft,already N	525	519	427	517	431	327	314	218	138	138
6.Disp aft,Y->N	525	772	496	514	435	402	405	367	307	355
8.Disp prev wv,but now Y					5	1	3	3	6	5
10.NewR=not ever,but PrvR=Y						63	50	63	36	55

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No dispute,no change	11937	10659	11525	9260	8410	7805
3.Disp,set to N	155	105	136	37	21	15
4.Disp aft,already N	77	30	19	5		
6.Disp aft,Y->N	258	175	56	32	15	
8.Disp prev wv,but now Y	4	10	6			
10.NewR=not ever,but PrvR=Y	53	33	37	24	31	20

RwDIABE: R ever had diabetes

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	11452	17380	15713	18565	16757	15149	16698	14934	13635	17306
1.Yes	1200	2262	2278	2819	2821	3016	3431	3535	3582	4728

Value	w11	w12	w13	w14	w15	w16
0.No	15763	14057	15468	12260	11027	10694
1.Yes	4791	4690	5444	4886	4696	5093

SwDIABE: S ever had diabetes

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	9019	11688	10503	12249	10974	9773	10850	9602	8510	10682
1.Yes	881	1402	1414	1731	1756	1866	2122	2133	2136	2831

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	9678	8334	8808	6778	6031	5420
1.Yes	2806	2678	2971	2580	2446	2420

RwDIABF: Flag dispute chg diabetes

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No dispute,no change	11976	18802	17159	20465	18743	17391	19292	17721	16565	21247
3.Disp,set to N			165	105	108	68	96	104	102	107
4.Disp aft,already N	486	523	462	587	534	462	489	383	294	293
6.Disp aft,Y->N	190	317	205	227	190	211	224	230	234	357
8.Disp prev wv,but now Y					3	3	5	3	3	4
10.NewR=not ever,but PrvR=Y						30	23	28	19	26

Value	w11	w12	w13	w14	w15	w16
0.No dispute,no change	19865	18243	20488	16889	15547	15695
3.Disp,set to N	192	135	150	97	82	76
4.Disp aft,already N	198	131	79	30	1	
6.Disp aft,Y->N	270	215	163	111	67	
8.Disp prev wv,but now Y	4	1	8			
10.NewR=not ever,but PrvR=Y	25	22	24	19	26	16

SwDIABF: Flag dispute chg diabetes

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No dispute,no change	9368	12481	11331	13349	12169	11138	12432	11269	10259	13052
3.Disp,set to N			112	69	64	41	61	66	56	56
4.Disp aft,already N	390	391	341	423	380	311	316	237	184	177
6.Disp aft,Y->N	142	218	133	139	115	130	145	143	135	209
8.Disp prev wv,but now Y					2	3	4	1	2	3
10.NewR=not ever,but PrvR=Y						16	14	19	10	16

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No dispute,no change	12092	10744	11565	9228	8397	7805
3.Disp,set to N	106	68	72	46	35	30
4.Disp aft,already N	120	79	45	17		
6.Disp aft,Y->N	150	111	80	56	32	
8.Disp prev wv,but now Y	3	1	5			
10.NewR=not ever,but PrvR=Y	13	9	12	11	13	5

RwCANCRE: R ever had cancer

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	12055	18012	16288	19240	17403	15864	17634	15920	14618	19101
1.Yes	597	1630	1703	2144	2175	2301	2495	2549	2599	2933

Value	w11	w12	w13	w14	w15	w16
0.No	17596	15891	17986	14582	13231	13280
1.Yes	2958	2856	2926	2564	2492	2507

SwCANCRE: S ever had cancer

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	9442	12092	10867	12647	11394	10234	11447	10211	9102	11751
1.Yes	458	998	1050	1333	1336	1405	1525	1524	1544	1762

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	10766	9404	10189	7957	7144	6576
1.Yes	1718	1608	1590	1401	1333	1264

RwCANCRF: Flag dispute chg cancer

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No dispute,no change	12319	19135	17481	20855	19106	17716	19664	18055	16857	21633
3.Disp,set to N			88	62	68	46	62	52	58	47
4.Disp aft,already N	227	279	236	268	224	179	177	135	116	117
6.Disp aft,Y->N	106	228	186	199	179	186	192	181	149	192
8.Disp prev wv,but now Y					1	3	1	2		
10.NewR=not ever,but PrvR=Y						35	33	44	37	45

Value	w11	w12	w13	w14	w15	w16
0.No dispute,no change	20202	18466	20668	16946	15592	15713
3.Disp,set to N	65	57	45	69	59	54
4.Disp aft,already N	77	57	36	12		
6.Disp aft,Y->N	169	136	138	94	48	
8.Disp prev wv,but now Y	3	1	1			
10.NewR=not ever,but PrvR=Y	38	30	24	25	24	20

SwCANCRF: Flag dispute chg cancer

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No dispute,no change	9635	12738	11572	13648	12427	11364	12706	11501	10447	13286
3.Disp,set to N			58	24	41	26	34	20	36	20
4.Disp aft,already N	188	211	178	183	157	123	116	84	66	74
6.Disp aft,Y->N	77	141	109	125	104	104	100	107	77	111
8.Disp prev wv,but now Y					1	2	1			
10.NewR=not ever,but PrvR=Y						20	15	23	20	22

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No dispute,no change	12291	10865	11659	9258	8414	7798
3.Disp,set to N	34	33	21	26	23	28
4.Disp aft,already N	43	32	21	5		
6.Disp aft,Y->N	92	69	66	55	28	
8.Disp prev wv,but now Y	2					
10.NewR=not ever,but PrvR=Y	22	13	12	14	12	14

RwLUNGE: R ever had lung disease

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	12003	18261	16710	19903	18117	16713	18525	16835	15547	20064
1.Yes	649	1381	1281	1481	1461	1452	1604	1634	1670	1970

Value	w11	w12	w13	w14	w15	w16
0.No	18556	16822	18758	15230	13907	14028
1.Yes	1998	1925	2154	1916	1816	1759

SwLUNGE: S ever had lung disease

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	9420	12247	11153	13145	11901	10856	12093	10833	9759	12483
1.Yes	480	843	764	835	829	783	879	902	887	1030

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	11449	10071	10776	8513	7692	7152
1.Yes	1035	941	1003	845	785	688

RwLUNGF: Flag dispute chg lung disease

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No dispute,no change	11863	18532	16901	20311	18693	17390	19330	17792	16661	21465
3.Disp,set to N			262	206	189	89	135	123	108	91
4.Disp aft,already N	420	432	340	408	345	279	246	195	128	132
6.Disp aft,Y->N	369	678	488	459	341	360	370	311	282	302
8.Disp prev wv,but now Y					10	1	4	2	3	6
10.NewR=not ever,but PrvR=Y						46	44	46	35	38

Value	w11	w12	w13	w14	w15	w16
0.No dispute,no change	20077	18397	20638	16998	15631	15720
3.Disp,set to N	137	105	115	52	33	35
4.Disp aft,already N	85	45	33	8		
6.Disp aft,Y->N	219	159	80	53	33	
8.Disp prev wv,but now Y	4	3	3			
10.NewR=not ever,but PrvR=Y	32	38	43	35	26	32

SwLUNGF: Flag dispute chg lung disease

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No dispute,no change	9314	12346	11198	13281	12167	11162	12508	11356	10341	13216
3.Disp,set to N			155	127	101	47	85	66	54	43
4.Disp aft,already N	323	310	243	283	238	185	153	115	73	80
6.Disp aft,Y->N	263	434	321	289	220	223	208	167	158	158
8.Disp prev wv,but now Y					4	1	3	2	1	1
10.NewR=not ever,but PrvR=Y						21	15	29	19	15

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No dispute,no change	12241	10830	11640	9288	8442	7818
3.Disp,set to N	59	50	51	25	13	7
4.Disp aft,already N	52	24	18	4		
6.Disp aft,Y->N	115	83	40	21	10	
8.Disp prev wv,but now Y	2	2	1			
10.NewR=not ever,but PrvR=Y	15	23	29	20	12	15

RwHEARTE: R ever had heart problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	11315	16029	14379	17096	15400	13978	15694	14064	12913	17216
1.Yes	1337	3613	3612	4288	4178	4187	4435	4405	4304	4818

Value	w11	w12	w13	w14	w15	w16
0.No	15727	14113	16158	12969	11786	11760
1.Yes	4827	4634	4754	4177	3937	4027

SwHEARTE: S ever had heart problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	8871	10933	9745	11411	10258	9184	10365	9155	8155	10733
1.Yes	1029	2157	2172	2569	2472	2455	2607	2580	2491	2780

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	9742	8483	9310	7251	6492	5955
1.Yes	2742	2529	2469	2107	1985	1885

RwHEARTF: Flag dispute chg heart prob

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No dispute,no change	11777	18325	16679	20072	18411	17039	18984	17460	16373	21186
3.Disp,set to N			266	179	160	118	142	175	183	144
4.Disp aft,already N	546	622	528	587	510	418	376	282	201	181
6.Disp aft,Y->N	329	695	518	546	491	486	519	460	374	431
8.Disp prev wv,but now Y					6	3	3	2	4	2
10.NewR=not ever,but PrvR=Y						101	105	90	82	90

Value	w11	w12	w13	w14	w15	w16
0.No dispute,no change	19865	18237	20521	16949	15574	15700
3.Disp,set to N	171	145	165	71	47	58
4.Disp aft,already N	114	62	34	9		
6.Disp aft,Y->N	333	249	137	87	54	
8.Disp prev wv,but now Y		4	4			
10.NewR=not ever,but PrvR=Y	71	50	51	30	48	29

SwHEARTF: Flag dispute chg heart prob

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No dispute,no change	9226	12181	11037	13123	11971	10955	12300	11172	10175	13050
3.Disp,set to N			154	98	96	58	84	95	89	77
4.Disp aft,already N	417	456	385	416	360	279	234	183	129	113
6.Disp aft,Y->N	257	453	341	343	300	295	300	243	210	231
8.Disp prev wv,but now Y					3	2	1	1	3	1
10.NewR=not ever,but PrvR=Y						50	53	41	40	41

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No dispute,no change	12116	10747	11578	9254	8396	7793
3.Disp,set to N	79	71	75	33	16	32
4.Disp aft,already N	70	36	24	8		
6.Disp aft,Y->N	185	134	74	47	34	
8.Disp prev wv,but now Y		2	4			
10.NewR=not ever,but PrvR=Y	34	22	24	16	31	15

RwSTROKE: R ever had stroke

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	12316	18509	16763	19858	18025	16609	18503	16849	15592	20198
1.Yes	336	1133	1228	1526	1553	1556	1626	1620	1625	1836

Value	w11	w12	w13	w14	w15	w16
0.No	18700	16986	19086	15597	14298	14316
1.Yes	1854	1761	1826	1549	1425	1471

SwSTROKE: S ever had stroke

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	9642	12460	11245	13184	11915	10855	12152	10894	9830	12608
1.Yes	258	630	672	796	815	784	820	841	816	905

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	11599	10182	10925	8658	7844	7232
1.Yes	885	830	854	700	633	608

RwSTROKF: Flag dispute chg stroke

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No dispute,no change	12432	19300	17654	21055	19305	17868	19816	18181	16970	21766
3.Disp,set to N			68	54	38	16	25	39	29	30
4.Disp aft,already N	161	212	165	177	162	149	141	110	89	78
6.Disp aft,Y->N	59	130	104	98	69	82	101	93	87	108
8.Disp prev wv,but now Y					4	2	2	3	1	2
10.NewR=not ever,but PrvR=Y						48	44	43	41	50

Value	w11	w12	w13	w14	w15	w16
0.No dispute,no change	20333	18575	20766	17065	15661	15743
3.Disp,set to N	42	39	42	20	25	24
4.Disp aft,already N	52	35	24	7		
6.Disp aft,Y->N	92	70	43	39	22	
8.Disp prev wv,but now Y	2	4	1			
10.NewR=not ever,but PrvR=Y	33	24	36	15	15	20

SwSTROKF: Flag dispute chg stroke

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No dispute,no change	9749	12867	11709	13773	12567	11481	12817	11594	10528	13382
3.Disp,set to N			35	31	20	12	9	17	8	9
4.Disp aft,already N	113	143	106	115	98	88	85	63	47	44
6.Disp aft,Y->N	38	80	67	61	43	40	51	46	43	57
8.Disp prev wv,but now Y					2	2				1
10.NewR=not ever,but PrvR=Y						16	10	15	20	20

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No dispute,no change	12372	10930	11718	9322	8457	7823
3.Disp,set to N	23	19	21	12	8	6
4.Disp aft,already N	28	18	13	3		
6.Disp aft,Y->N	47	34	18	13	7	
8.Disp prev wv,but now Y	1	2				
10.NewR=not ever,but PrvR=Y	13	9	9	8	5	11

RwPSYCHE: R ever had psych problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	11817	18141	16324	19245	17410	15856	17381	15630	14375	18288
1.Yes	835	1501	1667	2139	2168	2309	2748	2839	2842	3746

Value	w11	w12	w13	w14	w15	w16
0.No	16737	15043	16559	13319	12089	11988
1.Yes	3817	3704	4353	3827	3634	3799

SwPSYCHE: S ever had psych problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	9355	12201	10960	12812	11533	10394	11510	10207	9158	11567
1.Yes	545	889	957	1168	1197	1245	1462	1528	1488	1946

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	10523	9184	9747	7631	6856	6297
1.Yes	1961	1828	2032	1727	1621	1543

RwPSYCHF: Flag dispute chg psych probs

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No dispute,no change	11414	17900	16236	19668	18132	16884	18822	17404	16317	21177
3.Disp,set to N			422	287	287	171	248	194	187	157
4.Disp aft,already N	704	684	515	554	425	337	310	200	132	99
6.Disp aft,Y->N	534	1058	818	875	727	671	631	569	473	488
8.Disp prev wv,but now Y					7	7	11	3	5	13
10.NewR=not ever,but PrvR=Y						95	107	99	103	100

Value	w11	w12	w13	w14	w15	w16
0.No dispute,no change	19836	18257	20562	16988	15595	15702
3.Disp,set to N	190	165	161	37	29	32
4.Disp aft,already N	52	22	19	5		
6.Disp aft,Y->N	350	217	75	52	29	
8.Disp prev wv,but now Y	10	3	4			
10.NewR=not ever,but PrvR=Y	116	83	91	64	70	53

SwPSYCHF: Flag dispute chg psych probs

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No dispute,no change	8981	11949	10799	12918	11859	10896	12244	11162	10181	13085
3.Disp,set to N			257	168	159	98	128	110	99	71
4.Disp aft,already N	546	476	355	370	282	222	197	122	80	61
6.Disp aft,Y->N	373	665	506	524	427	370	351	294	236	245
8.Disp prev wv,but now Y					3	5	6	1	3	4
10.NewR=not ever,but PrvR=Y						48	46	46	47	47

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No dispute,no change	12132	10778	11618	9292	8425	7804
3.Disp,set to N	85	76	77	15	11	10
4.Disp aft,already N	33	15	13	2		
6.Disp aft,Y->N	175	107	29	20	13	
8.Disp prev wv,but now Y	4	3	3			
10.NewR=not ever,but PrvR=Y	55	33	39	29	28	26

RwARTHRE: R ever had arthritis

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	8501	13254	9779	11127	9358	8017	9307	7919	6930	10358
1.Yes	4151	6388	8212	10257	10220	10148	10822	10550	10287	11676

Value	w11	w12	w13	w14	w15	w16
0.No	9013	7769	9494	7106	6209	6467
1.Yes	11541	10978	11418	10040	9514	9320

SwARTHRE: S ever had arthritis

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	6811	8985	6881	7823	6587	5541	6506	5476	4683	6826
1.Yes	3089	4105	5036	6157	6143	6098	6466	6259	5963	6687

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	5917	5009	5795	4262	3714	3518
1.Yes	6567	6003	5984	5096	4763	4322

RwARTHRF: Flag dispute chg arthritis

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No dispute,no change	11112	17620	15942	19213	17699	16368	18380	16937	15923	20803
3.Disp,set to N			384	333	317	245	274	238	297	212
4.Disp aft,already N	919	1075	743	816	629	481	431	297	204	218
6.Disp aft,Y->N	621	947	922	1022	919	895	882	791	619	629
8.Disp prev wv,but now Y					14	9	9	6	5	8
10.NewR=not ever,but PrvR=Y						167	153	200	169	164

Value	w11	w12	w13	w14	w15	w16
0.No dispute,no change	19527	18022	20369	16877	15497	15653
3.Disp,set to N	270	216	230	77	84	50
4.Disp aft,already N	129	55	32	9		
6.Disp aft,Y->N	463	336	166	113	44	
8.Disp prev wv,but now Y	5	1	4			
10.NewR=not ever,but PrvR=Y	160	117	111	70	98	84

SwARTHRF: Flag dispute chg arthritis

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No dispute,no change	8673	11591	10442	12479	11462	10470	11845	10757	9849	12766
3.Disp,set to N			278	215	203	157	162	133	183	125
4.Disp aft,already N	739	802	565	594	438	332	293	200	135	132
6.Disp aft,Y->N	488	697	632	692	618	587	579	515	385	390
8.Disp prev wv,but now Y					9	6	7	3	2	3
10.NewR=not ever,but PrvR=Y						87	86	127	92	97

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No dispute,no change	11891	10613	11504	9224	8356	7768
3.Disp,set to N	157	113	113	32	39	29
4.Disp aft,already N	71	30	18	8		
6.Disp aft,Y->N	270	187	86	61	31	
8.Disp prev wv,but now Y	3		2			
10.NewR=not ever,but PrvR=Y	92	69	56	33	51	43

RwSLEEPE: R ever had sleep disorder

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
0.No			17687	13908	12494	12272
1.Yes			3225	3238	3229	3515

SwSLEEPE: S ever had sleep disorder

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried			8024	6678	6193	6541
.V=Spouse NR			1109	1110	1053	1406
0.No			9958	7577	6721	6101
1.Yes			1821	1781	1756	1739

Format Reference Tables – complete variable value labels

```
_____________________________________________________
Variables: ARTHRF, CANCRF, DIABF, HEARTF, HIBPF,
LUNGF, PSYCHF, STROKF
_____________________________________________________
.T=Other
.U=Unmarried
.V=Spouse NR
0.No dispute,no change
1.No disp,prld=Y,bef=N->Y
2.Disp,preld=Y,bef=N, ->N
3.Disp,set to N
4.Disp aft,already N
5.Disp aft,.->N
6.Disp aft,Y->N
7.Disp bef,Evr=bef Evr
8.Disp prev wv,but now Y
10.NewR=not ever,but PrvR=Y
```

How Constructed

RwHIBPE, RwDIABE, RwCANCRE, RwLUNGE, RwHEARTE, RwSTROKE, RwPSYCHE, and RwARTHRE are indicator variables denoting whether or not the Respondent reports a doctor has ever told them that they had the specified condition. The conditions are 1) high blood pressure or hypertension; 2) diabetes or high blood sugar; 3) cancer or a malignant tumor of any kind except skin cancer; 4) chronic lung disease except asthma such as chronic bronchitis or emphysema; 5) heart attack, coronary heart disease, angina, congestive heart failure, or other heart problems; 6) stroke or transient ischemic attack (TIA); 7) emotional, nervous, or psychiatric problems; and 8) arthritis or rheumatism. From Wave 13 forward, RwSLEEPE indicates whether or not the Respondent reports that a doctor or other health professional has ever told them that they had a sleep disorder.

Each of these variables is set to "1" if the Respondent ever answered "yes" to the pertinent question in the current or any prior wave and is otherwise set to "0." In cases where a Respondent later disputes a report from a prior wave, these "Ever" variables reflect the corrections made after the Respondent's disputed prior report. Notably, if a Respondent reports they don't know or refuses to answer whether a doctor has given them this information, they are also coded as "0."

RAHIBPEF, RADIABEF, RACANCREF, RALUNGEF, RAHEARTEF, RASTROKEF, RAPSYCHEF, RAARTHREF, and RASLEEPEF are flag variables which give the first time, if ever, a Respondent gives a response of "Don't Know," refused to answer the question or was inadvertently skipped over the question.

Since Wave 2A is the first wave for AHEAD Respondents, questions are asked for all Respondents, unlike Wave 2H, where questions are skipped if reported as a condition in Wave 1.

From Wave 3 forward, if a preloaded variable so indicates, the Respondent is read a statement that HRS records show they reported a condition at a prior interview. Any voluntary disputes of this statement are recorded. If there is no dispute, the condition variable is coded in the raw HRS data as "yes."

If a condition is disputed, all prior wave reports are set to "no." For example, if a report of high blood pressure is disputed in Wave 3, then R1HIBPE and R2HIBPE are set to "no."

In Waves 3 and 4, if a previous wave report of a condition is disputed, no follow-up question asks whether a doctor has told the Respondent they have the condition since the previous wave, and it is assumed that the Respondent does not have the condition in the current wave as well. From Waves 5 through 13, the interviewer records the dispute along with an indication of whether the Respondent currently has the condition. If the Respondent says they currently have it, the current wave variable is set to "yes," and if not, it is set to "no." From Wave 14 forward, there is no longer the "3.Disputes previous wave record, but now has condition" option. If the Respondent has previously reported having the condition, they are coded "1.Yes" for the condition and skipped to the subsequent condition question. If they dispute having the condition, they are either coded as "4. Never had <condition>" or "6. Had <condition> but do not have it now." As noted previously, the sleep disorder questions are the only conditions that do not allow for disputes of previous reports.

If the presence of a condition was preloaded in a particular wave and not disputed, but prior wave data does not show a previous report,

it is assumed that the Respondent is reporting the condition at that wave. For example, if the Respondent did not dispute a statement in Wave 3 that they had reported having high blood pressure at a prior interview, but both R1HIBPE and R2HIBPE are "no," then R3HIBPE is set to "yes."

Note that as more waves are added where conditions could be disputed, we notice that for some conditions, Respondents who dispute may have reported receiving treatment or medications for the disputed condition in a prior wave. It may be that the question is interpreted by the Respondent as whether they have the condition now, particularly for conditions that can be brought under control, such as high blood pressure. Also, disputes are more likely to affect earlier waves than later ones, simply because there have been more opportunities for disputing past answers as time goes on. This time series is not appropriate for tracking changes in the prevalence over time and the version of these variables without disputes incorporated should be used instead. Please see the raw recodes of these variables in "Doctor diagnosed health problems: Raw recodes and question wording." Note that the raw recodes have not been recoded into 0/1 dummy variables, and do not necessarily reflect condition reports from prior waves.

RwHIBPF, RwDIABF, RwCANCRF, RwLUNGF, RwHEARTF, RwSTROKF, RwPSYCHF, and RwARTHRF indicate whether a condition is disputed at the current or a later interview. Because there is not an option in the questionnaire to dispute the "have you ever had a sleep disorder" question, there is not a flag for this condition. The codes for the flag variables are: 0) no dispute and no change; 1) no dispute of preload indicating prior report of condition, but data shows no prior report of condition - set current report to yes; 2) disputes preload indicating prior report of condition, and data shows no prior report of condition - set current report to no; 3) disputes preload indicating prior report of condition, and data agrees with preload, set current and prior waves to no; 4) dispute of preload at a later wave would change this wave's report to no, but this wave's report was already no; 6) dispute of preload at a later wave has changed this wave's report from yes to no; 7) preload was disputed at a previous wave, current wave response is no, set to no; 8) preload was disputed at a previous wave, but now has condition; 10) new Respondent is asked the ever question and says no condition, but condition was reported in a prior wave, keep yes.

RwCONDE gives the number of conditions the Respondent reports ever having. It is the sum of individual condition variables. Note that this implicitly treats all missing values as "No" in the sum. RwCONDEF count how many individual condition reports in the sum were changed because of disputes. These variables do not include RwSLEEPE in the sums because it was first asked in Wave 13. They only include the eight original "ever had" conditions.

SwHIBPE, SwDIABE, SwCANCRE, SwLUNGE, SwHEARTE, SwSTROKE, SwPSYCHE, SwARTHRE, SwSLEEPE, SwHIBPF, SwDIABF, SwCANCRF, SwLUNGF, SwHEARTF, SwSTROKF, SwPSYCHF, SwARTHRF, SwCOND, and SwCONDEF give this information for the Respondent's spouse or partner.

SwHIBPEF, SwDIABEF, SwCANCREF, SwLUNGEF, SwHEARTEF, SwSTROKEF, SwPSYCHEF, SwARTHREF, and SwSLEEPEF indicate the first wave, if ever, the Respondent's spouse or partner gave a response of "Don't Know," refused to answer the question or was inadvertently skipped over the condition question.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3HIBPE is taken from the Wave 3 spouse's R3HIBPE variable.

Please see the "Change in Health" variables as well. Included there are variables that measure whether the individual conditions are new in a particular wave, i.e., reported as new since the last interview. There is a summary measure for these new conditions as well.

Please see RwHIBP, RwDIAB, RwCANCR, RwLUNG, RwHEART, RwSTROK, RwPSYCH, and RwARTHR for the raw reports at each wave, and RwHIBPQ, RwDIABQ, RwCANCRQ, RwLUNGQ, RwHEARTQ, RwSTROKQ, RwPSYCHQ, and RwARTHRQ for an indication of the question wording used. The description of these variables can be found under "Doctor diagnosed health problems: Raw recodes and question wording."

Cross Wave Differences in Original HRS Data

A series of questions asks the Respondent if a doctor has ever diagnosed them with certain medical conditions. At a Respondent's first interview, Waves 1 and 2A, the question asks:

"Has a doctor ever told you that you have ..."

From Wave 6 forward, if the person answering the questions is new, the question is asked as though it were the first interview, regardless of what had been reported at prior interviews. Thus, if the prior interview was given by the Respondent and the current is by proxy, or vice versa, or if both interviews are by proxy but conducted with different people, then this is treated like a first interview and the ever question wording is used.

At subsequent interviews, the question wording depends on whether the appropriate preloaded variable indicates that the Respondent has said "yes" to the condition at a prior interview. If not, the question wording is:

"Since we last talked to you, that is since [last interview date], has a doctor told you that you have ..."

From Wave 14 forward if it is a reinterview of the same reporter as the previous wave and if the Respondent/reporter reported having had the condition, then a value of "1. Yes" is assigned to the "...has a doctor told you that you have the condition" and the Respondent is skipped to the subsequent question.

There is variation across the waves on whether and which question Respondents are asked if they had previously reported a condition at a prior interview. In Wave 2H, if the preloaded variable indicates that the Respondent reported the condition in Wave 1, no question is asked for most conditions. For heart problems, the above question is asked regardless of the preloaded variable value; if the preloaded variable indicates a Wave 1 heart problem, it is prefaced by a statement that a heart condition has already been reported.

From Wave 3 forward, if the preloaded variable indicates that the Respondent reported a condition at a prior interview, a statement is read:

"Our records from your last interview show that you have had ..."

No explicit question is asked. If the Respondent disputes the statement voluntarily, this is recorded, but no follow-up on the current diagnosis of the condition is asked in Waves 3 and 4. From Waves 5 through 13, if the Respondent disputes the statement, the interviewer is instructed to probe as to whether or not the Respondent has since been diagnosed with the condition. The dispute is recorded as "disputes previous wave record but now has the condition" or "disputes and does not have the condition." Most disputes are of the latter type. If the Respondent does not dispute the statement, the variable that indicates the diagnosis of the condition is set to "yes." From Wave 14 forward if it is a reinterview of the same reporter as the previous wave and if the Respondent/reporter reported having had the condition, then a value of "1. Yes" is assigned to the "...has a doctor told you that you have the condition" and the Respondent is skipped to the subsequent question. However, in the subsequent question, the Respondent can dispute having previously had the condition. In these cases, the interviewer overwrites the "Has a doctor told you that you have <condition>" with either a value of "4.Never had <condition" or "6.Had <condition> but do not have it now."

In Wave 4, an alternate variable is provided for the heart condition question (F1156A). Apparently, a skip pattern problem in this wave causes some cases who had previously reported a heart condition to be asked if they had been told they had one since last interview, and some respond "No." These cases are identified in F1156A.

In Wave 2A and from Wave 3 forward, a code for "possible stroke or transient ischemic attack (TIA)" is added, if the Respondent volunteered this information in answer to the question about strokes. This code is not available in Waves 1 and 2H. TIA is treated the same as a "yes" answer in deriving RwSTROKE.

The definition of "doctor" in Wave 6 was: Medical doctors include specialists such as, Dermatologists, Psychiatrists, Ophthalmologists, as well as general practitioners, and Osteopaths. It does not include Chiropractors, Dentists, or Nurses/Nurse Practitioners.

In Wave 7, this was expanded as follows: Medical doctors include specialists such as Dermatologists, Psychiatrists, Ophthalmologists, Osteopaths, Cardiologists, as well as family doctors, internists and physicians' assistants.

From Wave 10 forward, the definition was further expanded to say:

"Medical doctors include specialists such as Dermatologists, Psychiatrists, Ophthalmologists, Osteopaths, Cardiologists, as well as family doctors, internists and physicians' assistants. Also include diagnoses made by Nurses and Nurse Practitioners."

From Wave 13 forward, the Respondent is asked whether "a doctor or other health professional" has told the Respondent they have a sleep disorder. A more detailed list of specific professions is not given.

HRS Variables Used

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HRS 1992:
    V325            B6:EVER HI BLD PRESS:IMP
    V328            B7:EVER DIAB/HI BLD :IMP
    V337            B9: CANCER/MALIGN TU:IMP
    V401            B15:CHRONIC LUNG DIS:IMP
    V406            B16:EVER HEART PROBL:IMP
    V417            B22:EVER HAD STROKE :IMP
    V422            B23:EMOT/NERV/PSYCH :IMP
    V426            B25:ARTHRITIS/RHEUMA:IMP
AHEAD 1993:
    B215            B3. HIGH BLOOD PRESSURE EVER
    B219            B4. DIABETES: NOW
    B225            B5. CANCER EVER
    B235            B6. LUNG DISEASE: EVER
    B242            B7. HEART CONDITION: EVER
    B252            B8. STROKE: EVER
    B259            B9. PSYCHIATRIC PROBLEMS: EVER
    B265            B10. ARTHRITIS: PAST 12 MONTHS
HRS 1994:
    W328            B6a.HIGH BLOOD PRESSURE
    W331            B7.DIABETES/HIGH BLOOD S
    W339            B9.CANCER/MALIGNANT TUMO
    W362            B14.CHRONIC LUNG DISEASE
    W367            B15.HEART PROBLEMS EVER
    W368            B15.HEART CONDITIONS
    W379            B21.STROKE
    W384            B23.EMOTIONAL/NERVOUS/PS
    W387            B24.ARTHRITIS/RHEUMATISM
AHEAD 1995:
    D781            B3.  HIGH BLOOD PRESSURE
    D788            B4. DIABETES
    D801            B5.CANCER
    D818            B6. LUNG
    D828            B7. HEART CONDITION
    D848            B9. STROKE
    D861            B10. PSYCHIATRIC
    D866            B11. ARTHRITIS
HRS 1996:
    E781            B3.  HIGH BLOOD PRESSURE
    E788            B4. DIABETES
    E801            B5.CANCER
    E818            B6. LUNG
    E828            B7. HEART CONDITION
    E848            B9. STROKE
    E861            B10. PSYCHIATRIC
    E866            B11. ARTHRITIS
HRS 1998:
    F1109           B3.  HIGH BLOOD PRESSURE
    F1116           B4. DIABETES
    F1129           B5.CANCER
    F1146           B6. LUNG
    F1156           B7. HEART CONDITION
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    F1176           B9. STROKE
    F1189           B10. PSYCHIATRIC
    F1194           B11. ARTHRITIS
HRS 2000:
    G1238           B3.HIGH BLOOD PRESSURE
    G1245           B4. DIABETES
    G1262           B5.CANCER
    G1279           B6. LUNG
    G1289           B7. HEART CONDITION
    G1309           B9. STROKE
    G1322           B10. PSYCHIATRIC
    G1327           B11. ARTHRITIS
HRS 2002-2022:
    xC005           HIGH BLOOD PRESSURE
    xC010           DIABETES
    xC018           CANCER OF ANY KIND EXCLUDING SKIN
    xC030           LUNG DISEASE
    xC036           HEART CONDITION
    xC053           STROKE
    xC065           EMOTIONAL/PSYCHIATRIC PROBLEMS
    xC070           ARTHRITIS
HRS 2016-2022:
    xC291           TOLD BY HEALTH PROFESSIONAL HAVE SLEEP DISORDER
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Doctor diagnosed health problems: Memory-related disease

Wave	Variable	Label	Type
4	R4MEMRY	R4MEMRY:W4 R reports memory prob this wv	Categ
5	R5MEMRY	R5MEMRY:W5 R reports memory prob this wv	Categ
6	R6MEMRY	R6MEMRY:W6 R reports memory prob this wv	Categ
7	R7MEMRY	R7MEMRY:W7 R reports memory prob this wv	Categ
8	R8MEMRY	R8MEMRY:W8 R reports memory prob this wv	Categ
9	R9MEMRY	R9MEMRY:W9 R reports memory prob this wv	Categ
4	S4MEMRY	S4MEMRY:W4 S reports memory prob this wv	Categ
5	S5MEMRY	S5MEMRY:W5 S reports memory prob this wv	Categ
6	S6MEMRY	S6MEMRY:W6 S reports memory prob this wv	Categ
7	S7MEMRY	S7MEMRY:W7 S reports memory prob this wv	Categ
8	S8MEMRY	S8MEMRY:W8 S reports memory prob this wv	Categ
9	S9MEMRY	S9MEMRY:W9 S reports memory prob this wv	Categ
4	R4MEMRYQ	R4MEMRYQ:W4 Q-wording memory prob this wv	Categ
5	R5MEMRYQ	R5MEMRYQ:W5 Q-wording memory prob this wv	Categ
6	R6MEMRYQ	R6MEMRYQ:W6 Q-wording memory prob this wv	Categ
7	R7MEMRYQ	R7MEMRYQ:W7 Q-wording memory prob this wv	Categ
8	R8MEMRYQ	R8MEMRYQ:W8 Q-wording memory prob this wv	Categ
9	R9MEMRYQ	R9MEMRYQ:W9 Q-wording memory prob this wv	Categ
4	S4MEMRYQ	S4MEMRYQ:W4 Q-wording memory prob this wv	Categ
5	S5MEMRYQ	S5MEMRYQ:W5 Q-wording memory prob this wv	Categ
6	S6MEMRYQ	S6MEMRYQ:W6 Q-wording memory prob this wv	Categ
7	S7MEMRYQ	S7MEMRYQ:W7 Q-wording memory prob this wv	Categ
8	S8MEMRYQ	S8MEMRYQ:W8 Q-wording memory prob this wv	Categ
9	S9MEMRYQ	S9MEMRYQ:W9 Q-wording memory prob this wv	Categ
4	R4MEMRYE	R4MEMRYE:W4 R ever had memory problem	Categ
5	R5MEMRYE	R5MEMRYE:W5 R ever had memory problem	Categ
6	R6MEMRYE	R6MEMRYE:W6 R ever had memory problem	Categ
7	R7MEMRYE	R7MEMRYE:W7 R ever had memory problem	Categ
8	R8MEMRYE	R8MEMRYE:W8 R ever had memory problem	Categ
9	R9MEMRYE	R9MEMRYE:W9 R ever had memory problem	Categ
4	S4MEMRYE	S4MEMRYE:W4 S ever had memory problem	Categ
5	S5MEMRYE	S5MEMRYE:W5 S ever had memory problem	Categ
6	S6MEMRYE	S6MEMRYE:W6 S ever had memory problem	Categ
7	S7MEMRYE	S7MEMRYE:W7 S ever had memory problem	Categ
8	S8MEMRYE	S8MEMRYE:W8 S ever had memory problem	Categ
9	S9MEMRYE	S9MEMRYE:W9 S ever had memory problem	Categ
1	RAMEMRYEF	RAMEMRYEF: Flag 1st wv special missing memory problem	Cont
4	S4MEMRYEF	S4MEMRYEF: Flag 1st wv special missing memory problem	Cont
5	S5MEMRYEF	S5MEMRYEF: Flag 1st wv special missing memory problem	Cont
6	S6MEMRYEF	S6MEMRYEF: Flag 1st wv special missing memory problem	Cont
7	S7MEMRYEF	S7MEMRYEF: Flag 1st wv special missing memory problem	Cont
8	S8MEMRYEF	S8MEMRYEF: Flag 1st wv special missing memory problem	Cont
9	S9MEMRYEF	S9MEMRYEF: Flag 1st wv special missing memory problem	Cont
5	R5MEMRYF	R5MEMRYF:W5 Flag chg prev memory prob	Categ
6	R6MEMRYF	R6MEMRYF:W6 Flag chg prev memory prob	Categ
7	R7MEMRYF	R7MEMRYF:W7 Flag chg prev memory prob	Categ
8	R8MEMRYF	R8MEMRYF:W8 Flag chg prev memory prob	Categ
9	R9MEMRYF	R9MEMRYF:W9 Flag chg prev memory prob	Categ
5	S5MEMRYF	S5MEMRYF:W5 Flag chg prev memory prob	Categ
6	S6MEMRYF	S6MEMRYF:W6 Flag chg prev memory prob	Categ
7	S7MEMRYF	S7MEMRYF:W7 Flag chg prev memory prob	Categ
8	S8MEMRYF	S8MEMRYF:W8 Flag chg prev memory prob	Categ
9	S9MEMRYF	S9MEMRYF:W9 Flag chg prev memory prob	Categ
10	R10ALZHE	R10ALZHE:W10 R reports Alzheimer this wv	Categ
11	R11ALZHE	R11ALZHE:W11 R reports Alzheimer this wv	Categ
12	R12ALZHE	R12ALZHE:W12 R reports Alzheimer this wv	Categ

13	R13ALZHE	R13ALZHE:W13 R reports Alzheimer this wv	Categ
14	R14ALZHE	R14ALZHE:W14 R reports Alzheimer this wv	Categ
15	R15ALZHE	R15ALZHE:W15 R reports Alzheimer this wv	Categ
16	R16ALZHE	R16ALZHE:W16 R reports Alzheimer this wv	Categ
10	S10ALZHE	S10ALZHE:W10 S reports Alzheimer this wv	Categ
11	S11ALZHE	S11ALZHE:W11 S reports Alzheimer this wv	Categ
12	S12ALZHE	S12ALZHE:W12 S reports Alzheimer this wv	Categ
13	S13ALZHE	S13ALZHE:W13 S reports Alzheimer this wv	Categ
14	S14ALZHE	S14ALZHE:W14 S reports Alzheimer this wv	Categ
15	S15ALZHE	S15ALZHE:W15 S reports Alzheimer this wv	Categ
16	S16ALZHE	S16ALZHE:W16 S reports Alzheimer this wv	Categ
10	R10ALZHEQ	R10ALZHEQ:W10 Q-wording of Alzheimer this wv	Categ
11	R11ALZHEQ	R11ALZHEQ:W11 Q-wording of Alzheimer this wv	Categ
12	R12ALZHEQ	R12ALZHEQ:W12 Q-wording of Alzheimer this wv	Categ
13	R13ALZHEQ	R13ALZHEQ:W13 Q-wording of Alzheimer this wv	Categ
14	R14ALZHEQ	R14ALZHEQ:W14 Q-wording of Alzheimer this wv	Categ
15	R15ALZHEQ	R15ALZHEQ:W15 Q-wording of Alzheimer this wv	Categ
16	R16ALZHEQ	R16ALZHEQ:W16 Q-wording of Alzheimer this wv	Categ
10	S10ALZHEQ	S10ALZHEQ:W10 Q-wording of Alzheimer this wv	Categ
11	S11ALZHEQ	S11ALZHEQ:W11 Q-wording of Alzheimer this wv	Categ
12	S12ALZHEQ	S12ALZHEQ:W12 Q-wording of Alzheimer this wv	Categ
13	S13ALZHEQ	S13ALZHEQ:W13 Q-wording of Alzheimer this wv	Categ
14	S14ALZHEQ	S14ALZHEQ:W14 Q-wording of Alzheimer this wv	Categ
15	S15ALZHEQ	S15ALZHEQ:W15 Q-wording of Alzheimer this wv	Categ
16	S16ALZHEQ	S16ALZHEQ:W16 Q-wording of Alzheimer this wv	Categ
10	R10ALZHEE	R10ALZHEE:W10 R ever reported Alzheimer	Categ
11	R11ALZHEE	R11ALZHEE:W11 R ever reported Alzheimer	Categ
12	R12ALZHEE	R12ALZHEE:W12 R ever reported Alzheimer	Categ
13	R13ALZHEE	R13ALZHEE:W13 R ever reported Alzheimer	Categ
14	R14ALZHEE	R14ALZHEE:W14 R ever reported Alzheimer	Categ
15	R15ALZHEE	R15ALZHEE:W15 R ever reported Alzheimer	Categ
16	R16ALZHEE	R16ALZHEE:W16 R ever reported Alzheimer	Categ
10	S10ALZHEE	S10ALZHEE:W10 S ever reported Alzheimer	Categ
11	S11ALZHEE	S11ALZHEE:W11 S ever reported Alzheimer	Categ
12	S12ALZHEE	S12ALZHEE:W12 S ever reported Alzheimer	Categ
13	S13ALZHEE	S13ALZHEE:W13 S ever reported Alzheimer	Categ
14	S14ALZHEE	S14ALZHEE:W14 S ever reported Alzheimer	Categ
15	S15ALZHEE	S15ALZHEE:W15 S ever reported Alzheimer	Categ
16	S16ALZHEE	S16ALZHEE:W16 S ever reported Alzheimer	Categ
1	RAALZHEEF	RAALZHEEF: Flag 1st wv special missing Alzheimers	Cont
10	S10ALZHEEF	S10ALZHEEF: Flag 1st wv special missing Alzheimers	Cont
11	S11ALZHEEF	S11ALZHEEF: Flag 1st wv special missing Alzheimers	Cont
12	S12ALZHEEF	S12ALZHEEF: Flag 1st wv special missing Alzheimers	Cont
13	S13ALZHEEF	S13ALZHEEF: Flag 1st wv special missing Alzheimers	Cont
14	S14ALZHEEF	S14ALZHEEF: Flag 1st wv special missing Alzheimers	Cont
15	S15ALZHEEF	S15ALZHEEF: Flag 1st wv special missing Alzheimers	Cont
16	S16ALZHEEF	S16ALZHEEF: Flag 1st wv special missing Alzheimers	Cont
11	R11ALZHEF	R11ALZHEF:W11 Flag chg prev report of Alzheimer	Categ
12	R12ALZHEF	R12ALZHEF:W12 Flag chg prev report of Alzheimer	Categ
13	R13ALZHEF	R13ALZHEF:W13 Flag chg prev report of Alzheimer	Categ
14	R14ALZHEF	R14ALZHEF:W14 Flag chg prev report of Alzheimer	Categ
15	R15ALZHEF	R15ALZHEF:W15 Flag chg prev report of Alzheimer	Categ
16	R16ALZHEF	R16ALZHEF:W16 Flag chg prev report of Alzheimer	Categ
11	S11ALZHEF	S11ALZHEF:W11 Flag chg prev report of Alzheimer	Categ
12	S12ALZHEF	S12ALZHEF:W12 Flag chg prev report of Alzheimer	Categ
13	S13ALZHEF	S13ALZHEF:W13 Flag chg prev report of Alzheimer	Categ
14	S14ALZHEF	S14ALZHEF:W14 Flag chg prev report of Alzheimer	Categ
15	S15ALZHEF	S15ALZHEF:W15 Flag chg prev report of Alzheimer	Categ
16	S16ALZHEF	S16ALZHEF:W16 Flag chg prev report of Alzheimer	Categ
10	R10DEMEN	R10DEMEN:W10 R reports dementia this wv	Categ
11	R11DEMEN	R11DEMEN:W11 R reports dementia this wv	Categ
12	R12DEMEN	R12DEMEN:W12 R reports dementia this wv	Categ

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13    R13DEMEN            R13DEMEN:W13 R reports dementia this wv                    Categ
14    R14DEMEN            R14DEMEN:W14 R reports dementia this wv                    Categ
15    R15DEMEN            R15DEMEN:W15 R reports dementia this wv                    Categ
16    R16DEMEN            R16DEMEN:W16 R reports dementia this wv                    Categ

10    S10DEMEN            S10DEMEN:W10 S reports dementia this wv                    Categ
11    S11DEMEN            S11DEMEN:W11 S reports dementia this wv                    Categ
12    S12DEMEN            S12DEMEN:W12 S reports dementia this wv                    Categ
13    S13DEMEN            S13DEMEN:W13 S reports dementia this wv                    Categ
14    S14DEMEN            S14DEMEN:W14 S reports dementia this wv                    Categ
15    S15DEMEN            S15DEMEN:W15 S reports dementia this wv                    Categ
16    S16DEMEN            S16DEMEN:W16 S reports dementia this wv                    Categ

10    R10DEMENQ           R10DEMENQ:W10 Q-wording of dementia this wv                Categ
11    R11DEMENQ           R11DEMENQ:W11 Q-wording of dementia this wv                Categ
12    R12DEMENQ           R12DEMENQ:W12 Q-wording of dementia this wv                Categ
13    R13DEMENQ           R13DEMENQ:W13 Q-wording of dementia this wv                Categ
14    R14DEMENQ           R14DEMENQ:W14 Q-wording of dementia this wv                Categ
15    R15DEMENQ           R15DEMENQ:W15 Q-wording of dementia this wv                Categ
16    R16DEMENQ           R16DEMENQ:W16 Q-wording of dementia this wv                Categ

10    S10DEMENQ           S10DEMENQ:W10 Q-wording of dementia this wv                Categ
11    S11DEMENQ           S11DEMENQ:W11 Q-wording of dementia this wv                Categ
12    S12DEMENQ           S12DEMENQ:W12 Q-wording of dementia this wv                Categ
13    S13DEMENQ           S13DEMENQ:W13 Q-wording of dementia this wv                Categ
14    S14DEMENQ           S14DEMENQ:W14 Q-wording of dementia this wv                Categ
15    S15DEMENQ           S15DEMENQ:W15 Q-wording of dementia this wv                Categ
16    S16DEMENQ           S16DEMENQ:W16 Q-wording of dementia this wv                Categ

10    R10DEMENE           R10DEMENE:W10 R ever reported dementia                     Categ
11    R11DEMENE           R11DEMENE:W11 R ever reported dementia                     Categ
12    R12DEMENE           R12DEMENE:W12 R ever reported dementia                     Categ
13    R13DEMENE           R13DEMENE:W13 R ever reported dementia                     Categ
14    R14DEMENE           R14DEMENE:W14 R ever reported dementia                     Categ
15    R15DEMENE           R15DEMENE:W15 R ever reported dementia                     Categ
16    R16DEMENE           R16DEMENE:W16 R ever reported dementia                     Categ

10    S10DEMENE           S10DEMENE:W10 S ever reported dementia                     Categ
11    S11DEMENE           S11DEMENE:W11 S ever reported dementia                     Categ
12    S12DEMENE           S12DEMENE:W12 S ever reported dementia                     Categ
13    S13DEMENE           S13DEMENE:W13 S ever reported dementia                     Categ
14    S14DEMENE           S14DEMENE:W14 S ever reported dementia                     Categ
15    S15DEMENE           S15DEMENE:W15 S ever reported dementia                     Categ
16    S16DEMENE           S16DEMENE:W16 S ever reported dementia                     Categ

 1    RADEMENEF           RADEMENEF: Flag 1st wv special missing dementia            Cont

10    S10DEMENEF          S10DEMENEF: Flag 1st wv special missing dementia           Cont
11    S11DEMENEF          S11DEMENEF: Flag 1st wv special missing dementia           Cont
12    S12DEMENEF          S12DEMENEF: Flag 1st wv special missing dementia           Cont
13    S13DEMENEF          S13DEMENEF: Flag 1st wv special missing dementia           Cont
14    S14DEMENEF          S14DEMENEF: Flag 1st wv special missing dementia           Cont
15    S15DEMENEF          S15DEMENEF: Flag 1st wv special missing dementia           Cont
16    S16DEMENEF          S16DEMENEF: Flag 1st wv special missing dementia           Cont

11    R11DEMENF           R11DEMENF:W11 Flag chg prev report of dementia             Categ
12    R12DEMENF           R12DEMENF:W12 Flag chg prev report of dementia             Categ
13    R13DEMENF           R13DEMENF:W13 Flag chg prev report of dementia             Categ
14    R14DEMENF           R14DEMENF:W14 Flag chg prev report of dementia             Categ
15    R15DEMENF           R15DEMENF:W15 Flag chg prev report of dementia             Categ
16    R16DEMENF           R16DEMENF:W16 Flag chg prev report of dementia             Categ

11    S11DEMENF           S11DEMENF:W11 Flag chg prev report of dementia             Categ
12    S12DEMENF           S12DEMENF:W12 Flag chg prev report of dementia             Categ
13    S13DEMENF           S13DEMENF:W13 Flag chg prev report of dementia             Categ
14    S14DEMENF           S14DEMENF:W14 Flag chg prev report of dementia             Categ
15    S15DEMENF           S15DEMENF:W15 Flag chg prev report of dementia             Categ
16    S16DEMENF           S16DEMENF:W16 Flag chg prev report of dementia             Categ
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Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R4MEMRY	21370	0.03	0.16	0.0	1.0
R5MEMRY	19219	0.02	0.13	0.0	1.0
R6MEMRY	17987	0.03	0.17	0.0	1.0
R7MEMRY	19743	0.03	0.16	0.0	1.0
R8MEMRY	17928	0.02	0.15	0.0	1.0
R9MEMRY	17197	0.07	0.35	0.0	4.0
S4MEMRY	13976	0.02	0.14	0.0	1.0
S5MEMRY	12547	0.01	0.11	0.0	1.0
S6MEMRY	11554	0.02	0.13	0.0	1.0
S7MEMRY	12798	0.02	0.13	0.0	1.0
S8MEMRY	11492	0.02	0.13	0.0	1.0
S9MEMRY	10640	0.05	0.31	0.0	4.0
R4MEMRYQ	21384	1.00	0.00	1.0	1.0
R5MEMRYQ	19578	2.26	1.54	1.0	12.0
R6MEMRYQ	18165	2.42	1.80	1.0	15.0
R7MEMRYQ	20129	2.10	1.34	1.0	15.0
R8MEMRYQ	18469	2.27	1.13	1.0	15.0
R9MEMRYQ	17217	2.22	1.08	1.0	15.0
S4MEMRYQ	13980	1.00	0.00	1.0	1.0
S5MEMRYQ	12730	2.20	1.40	1.0	12.0
S6MEMRYQ	11639	2.34	1.58	1.0	15.0
S7MEMRYQ	12972	2.05	1.26	1.0	15.0
S8MEMRYQ	11735	2.24	1.03	1.0	15.0
S9MEMRYQ	10646	2.19	0.97	1.0	15.0
R4MEMRYE	21384	0.02	0.16	0.0	1.0
R5MEMRYE	19578	0.04	0.18	0.0	1.0
R6MEMRYE	18165	0.04	0.20	0.0	1.0
R7MEMRYE	20129	0.05	0.21	0.0	1.0
R8MEMRYE	18469	0.05	0.22	0.0	1.0
R9MEMRYE	17217	0.06	0.24	0.0	1.0
S4MEMRYE	13980	0.02	0.13	0.0	1.0
S5MEMRYE	12730	0.02	0.16	0.0	1.0
S6MEMRYE	11639	0.03	0.16	0.0	1.0
S7MEMRYE	12972	0.03	0.17	0.0	1.0
S8MEMRYE	11735	0.04	0.19	0.0	1.0
S9MEMRYE	10646	0.04	0.20	0.0	1.0
RAMEMRYEF	45165	0.01	0.31	0.0	9.0
S4MEMRYEF	14454	0.02	0.36	0.0	9.0
S5MEMRYEF	13007	0.02	0.37	0.0	9.0
S6MEMRYEF	11822	0.02	0.36	0.0	9.0
S7MEMRYEF	13307	0.02	0.35	0.0	9.0
S8MEMRYEF	12002	0.02	0.35	0.0	9.0
S9MEMRYEF	10953	0.01	0.29	0.0	9.0
R5MEMRYF	19578	0.01	0.26	0.0	6.0
R6MEMRYF	18165	0.03	0.34	0.0	6.0
R7MEMRYF	20129	0.03	0.38	0.0	6.0
R8MEMRYF	18469	0.04	0.42	0.0	6.0
R9MEMRYF	17217	0.02	0.25	0.0	8.0

S5MEMRYF	12730	0.02	0.27	0.0	6.0
S6MEMRYF	11639	0.03	0.34	0.0	6.0
S7MEMRYF	12972	0.03	0.36	0.0	6.0
S8MEMRYF	11735	0.03	0.39	0.0	6.0
S9MEMRYF	10646	0.02	0.22	0.0	3.0
R10ALZHE	22008	0.02	0.24	0.0	7.0
R11ALZHE	20536	0.04	0.39	0.0	7.0
R12ALZHE	18730	0.03	0.32	0.0	7.0
R13ALZHE	20894	0.03	0.34	0.0	7.0
R14ALZHE	17125	0.02	0.23	0.0	7.0
R15ALZHE	15705	0.02	0.25	0.0	7.0
R16ALZHE	15769	0.02	0.21	0.0	7.0
S10ALZHE	13502	0.01	0.20	0.0	7.0
S11ALZHE	12477	0.03	0.31	0.0	7.0
S12ALZHE	11007	0.02	0.28	0.0	7.0
S13ALZHE	11773	0.02	0.26	0.0	7.0
S14ALZHE	9349	0.02	0.22	0.0	7.0
S15ALZHE	8465	0.02	0.24	0.0	7.0
S16ALZHE	7832	0.01	0.15	0.0	7.0
R10ALZHEQ	22034	1.16	0.78	1.0	5.0
R11ALZHEQ	20554	2.20	1.26	1.0	16.0
R12ALZHEQ	18747	2.11	0.66	1.0	16.0
R13ALZHEQ	20912	1.88	0.72	1.0	16.0
R14ALZHEQ	17146	2.09	0.67	1.0	17.0
R15ALZHEQ	15723	2.11	0.67	1.0	17.0
R16ALZHEQ	15787	1.91	0.67	1.0	17.0
S10ALZHEQ	13513	1.14	0.74	1.0	5.0
S11ALZHEQ	12484	2.20	1.25	1.0	16.0
S12ALZHEQ	11012	2.10	0.67	1.0	16.0
S13ALZHEQ	11779	1.87	0.71	1.0	16.0
S14ALZHEQ	9358	2.08	0.66	1.0	17.0
S15ALZHEQ	8477	2.10	0.70	1.0	17.0
S16ALZHEQ	7840	1.93	0.67	1.0	17.0
R10ALZHEE	22034	0.01	0.12	0.0	1.0
R11ALZHEE	20554	0.02	0.13	0.0	1.0
R12ALZHEE	18747	0.02	0.13	0.0	1.0
R13ALZHEE	20912	0.02	0.12	0.0	1.0
R14ALZHEE	17146	0.02	0.12	0.0	1.0
R15ALZHEE	15723	0.01	0.12	0.0	1.0
R16ALZHEE	15787	0.01	0.12	0.0	1.0
S10ALZHEE	13513	0.01	0.09	0.0	1.0
S11ALZHEE	12484	0.01	0.10	0.0	1.0
S12ALZHEE	11012	0.01	0.10	0.0	1.0
S13ALZHEE	11779	0.01	0.09	0.0	1.0
S14ALZHEE	9358	0.01	0.10	0.0	1.0
S15ALZHEE	8477	0.01	0.10	0.0	1.0
S16ALZHEE	7840	0.01	0.10	0.0	1.0
RAALZHEEF	45165	0.04	0.71	0.0	16.0
S10ALZHEEF	14145	0.06	0.87	0.0	16.0
S11ALZHEEF	12986	0.06	0.87	0.0	16.0

S12ALZHEEF	11521	0.06	0.91	0.0	16.0
S13ALZHEEF	12688	0.05	0.84	0.0	16.0
S14ALZHEEF	10267	0.05	0.88	0.0	16.0
S15ALZHEEF	9367	0.05	0.83	0.0	16.0
S16ALZHEEF	8986	0.05	0.84	0.0	16.0
R11ALZHEF	20554	0.02	0.30	0.0	8.0
R12ALZHEF	18747	0.01	0.23	0.0	6.0
R13ALZHEF	20912	0.01	0.17	0.0	6.0
R14ALZHEF	17146	0.00	0.14	0.0	6.0
R15ALZHEF	15723	0.00	0.10	0.0	6.0
R16ALZHEF	15787	0.00	0.06	0.0	3.0
S11ALZHEF	12484	0.01	0.26	0.0	8.0
S12ALZHEF	11012	0.01	0.18	0.0	6.0
S13ALZHEF	11779	0.00	0.15	0.0	6.0
S14ALZHEF	9358	0.00	0.12	0.0	6.0
S15ALZHEF	8477	0.00	0.06	0.0	3.0
S16ALZHEF	7840	0.00	0.04	0.0	2.0
R10DEMEN	21639	0.02	0.14	0.0	1.0
R11DEMEN	20177	0.04	0.27	0.0	4.0
R12DEMEN	18379	0.04	0.28	0.0	4.0
R13DEMEN	20582	0.03	0.25	0.0	4.0
R14DEMEN	16941	0.04	0.23	0.0	4.0
R15DEMEN	15517	0.03	0.20	0.0	4.0
R16DEMEN	15588	0.03	0.19	0.0	4.0
S10DEMEN	13365	0.01	0.12	0.0	1.0
S11DEMEN	12351	0.03	0.22	0.0	4.0
S12DEMEN	10887	0.03	0.26	0.0	4.0
S13DEMEN	11669	0.02	0.22	0.0	4.0
S14DEMEN	9281	0.03	0.20	0.0	4.0
S15DEMEN	8404	0.02	0.16	0.0	4.0
S16DEMEN	7773	0.02	0.14	0.0	1.0
R10DEMENQ	22034	1.32	1.89	1.0	20.0
R11DEMENQ	20554	2.43	2.32	1.0	20.0
R12DEMENQ	18747	2.34	2.11	1.0	20.0
R13DEMENQ	20912	2.05	1.91	1.0	20.0
R14DEMENQ	17146	2.27	1.85	1.0	20.0
R15DEMENQ	15723	2.26	1.75	1.0	20.0
R16DEMENQ	15787	2.07	1.80	1.0	20.0
S10DEMENQ	13513	1.25	1.58	1.0	20.0
S11DEMENQ	12484	2.33	1.95	1.0	20.0
S12DEMENQ	11012	2.23	1.65	1.0	20.0
S13DEMENQ	11779	1.98	1.54	1.0	20.0
S14DEMENQ	9358	2.20	1.58	1.0	20.0
S15DEMENQ	8477	2.20	1.51	1.0	20.0
S16DEMENQ	7840	2.04	1.55	1.0	20.0
R10DEMENE	22034	0.03	0.18	0.0	1.0
R11DEMENE	20554	0.04	0.20	0.0	1.0
R12DEMENE	18747	0.04	0.21	0.0	1.0
R13DEMENE	20912	0.04	0.20	0.0	1.0
R14DEMENE	17146	0.04	0.20	0.0	1.0
R15DEMENE	15723	0.04	0.20	0.0	1.0
R16DEMENE	15787	0.04	0.20	0.0	1.0

S10DEMENE	13513	0.02	0.14	0.0	1.0
S11DEMENE	12484	0.03	0.16	0.0	1.0
S12DEMENE	11012	0.03	0.17	0.0	1.0
S13DEMENE	11779	0.03	0.16	0.0	1.0
S14DEMENE	9358	0.03	0.18	0.0	1.0
S15DEMENE	8477	0.03	0.17	0.0	1.0
S16DEMENE	7840	0.03	0.17	0.0	1.0
RADEMENEF	45165	0.05	0.82	0.0	16.0
S10DEMENEF	14145	0.07	0.93	0.0	16.0
S11DEMENEF	12986	0.06	0.90	0.0	16.0
S12DEMENEF	11521	0.06	0.92	0.0	16.0
S13DEMENEF	12688	0.05	0.81	0.0	16.0
S14DEMENEF	10267	0.05	0.80	0.0	16.0
S15DEMENEF	9367	0.04	0.79	0.0	16.0
S16DEMENEF	8986	0.03	0.69	0.0	16.0
R11DEMENF	20554	0.05	0.48	0.0	8.0
R12DEMENF	18747	0.04	0.44	0.0	8.0
R13DEMENF	20912	0.02	0.31	0.0	8.0
R14DEMENF	17146	0.01	0.23	0.0	6.0
R15DEMENF	15723	0.01	0.18	0.0	6.0
R16DEMENF	15787	0.01	0.11	0.0	3.0
S11DEMENF	12484	0.04	0.45	0.0	8.0
S12DEMENF	11012	0.04	0.40	0.0	8.0
S13DEMENF	11779	0.02	0.27	0.0	8.0
S14DEMENF	9358	0.01	0.18	0.0	6.0
S15DEMENF	8477	0.01	0.13	0.0	6.0
S16DEMENF	7840	0.00	0.08	0.0	2.0

Categorical Variable Codes

RwMEMRY: R reports memory prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK				13	7	11	16	14	17	
.M=Oth missing								1		
.R=RF				1	2	2	2	4	3	
.Y=Via preload+yes prev wv					350	165	368	522		
0.No				20834	18868	17468	19228	17490	16167	
1.Yes				536	351	519	515	438	948	
3.Disp prev record and has									1	
4.Disp prev record and no c									81	

Value	w11	w12	w13	w14	w15	w16
.D=DK						
.M=Oth missing						
.R=RF						
.Y=Via preload+yes prev wv						
0.No						
1.Yes						
3.Disp prev record and has						
4.Disp prev record and no c						

SwMEMRY: S reports memory prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK				4	6	3	4	6	4	
.R=RF					1	2	1	2	2	
.U=Unmarried				6868	6537	6306	6777	6417	6206	
.V=Spouse NR				536	311	220	380	317	365	
.Y=Via preload+yes prev wv					176	80	169	235		
0.No				13715	12394	11348	12582	11295	10183	
1.Yes				261	153	206	216	197	415	
4.Disp prev record and no c									42	

Value	w11	w12	w13	w14	w15	w16
.D=DK						
.R=RF						
.U=Unmarried						
.V=Spouse NR						
.Y=Via preload+yes prev wv						
0.No						
1.Yes						
4.Disp prev record and no c						

RwMEMRYQ: Q-wording memory prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw: have had [ever]				21384	265	226	3471	207	143	
2.ReIvw,NoCond: have had si					18504	16322	15163	16628	15634	
3.ReIvw,Cond: last time sai									543	
4.ReIvw,Cond: skip question					350	165	368	522		
5.ReIvw/NewR: have ever had						1072	959	1020	816	
11.ReIvw BUT Pre=NewIvw: ha					5	6	5	6		
12.NewIvw BUT Pre=ReIvw,NoC					454	172	71	23	13	
15.ReIvw,Cond BUT Pre=NoCon						202	92	63	68	

Value	w11	w12	w13	w14	w15	w16
1.NewIvw: have had [ever]						
2.ReIvw,NoCond: have had si						
3.ReIvw,Cond: last time sai						
4.ReIvw,Cond: skip question						
5.ReIvw/NewR: have ever had						
11.ReIvw BUT Pre=NewIvw: ha						
12.NewIvw BUT Pre=ReIvw,NoC						
15.ReIvw,Cond BUT Pre=NoCon						

SwMEMRYQ: Q-wording memory prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried				6868	6537	6306	6777	6417	6206	
.V=Spouse NR				536	311	220	380	317	365	
1.NewIvw: have had [ever]				13980	247	209	2484	198	139	
2.ReIvw,NoCond: have had si					12060	10525	9649	10593	9747	
3.ReIvw,Cond: last time sai									250	
4.ReIvw,Cond: skip question					176	80	169	235		
5.ReIvw/NewR: have ever had						648	577	668	474	
11.ReIvw BUT Pre=NewIvw: ha					4	6	5	6		
12.NewIvw BUT Pre=ReIvw,NoC					243	78	42	8	5	
15.ReIvw,Cond BUT Pre=NoCon						93	46	27	31	

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried						
.V=Spouse NR						
1.NewIvw: have had [ever]						
2.ReIvw,NoCond: have had si						
3.ReIvw,Cond: last time sai						
4.ReIvw,Cond: skip question						
5.ReIvw/NewR: have ever had						
11.ReIvw BUT Pre=NewIvw: ha						
12.NewIvw BUT Pre=ReIvw,NoC						
15.ReIvw,Cond BUT Pre=NoCon						

RwMEMRYE: R ever had memory problem

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No				20851	18892	17395	19201	17491	16176	
1.Yes				533	686	770	928	978	1041	

Value	w11	w12	w13	w14	w15	w16
0.No						
1.Yes						

SwMEMRYE: S ever had memory problem

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried				6868	6537	6306	6777	6417	6206	
.V=Spouse NR				536	311	220	380	317	365	
0.No				13721	12412	11314	12582	11304	10191	
1.Yes				259	318	325	390	431	455	

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried						
.V=Spouse NR						
0.No						
1.Yes						

RwMEMRYF: Flag chg prev memory prob

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.OK					19514	17980	19942	18287	17046	
1.NewR says not ever but pr						24	33	45	32	
2.Says no cur wv but prev s						93	73	55	57	
3.Dispute,set to N									81	
4.Dispute after,already N					49	37	18			
6.Dispute after,Y->N					15	31	63	82		
8.Dispute prev wv,but now Y									1	

Value	w11	w12	w13	w14	w15	w16
0.OK						
1.NewR says not ever but pr						
2.Says no cur wv but prev s						
3.Dispute,set to N						
4.Dispute after,already N						
6.Dispute after,Y->N						
8.Dispute prev wv,but now Y						

SwMEMRYF: Flag chg prev memory prob

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried					6537	6306	6777	6417	6206	
.V=Spouse NR					311	220	380	317	365	
0.OK					12685	11536	12881	11642	10564	
1.NewR says not ever but pr						6	7	22	12	
2.Says no cur wv but prev s						53	36	24	28	
3.Dispute,set to N									42	
4.Dispute after,already N					34	24	10			
6.Dispute after,Y->N					11	20	38	47		

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried						
.V=Spouse NR						
0.OK						
1.NewR says not ever but pr						
2.Says no cur wv but prev s						
3.Dispute,set to N						
4.Dispute after,already N						
6.Dispute after,Y->N						

RwALZHE: R reports Alzheimer this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										24
.J=Web interview, missing										
.M=Oth missing										
.R=RF										2
0.No										21645
1.Yes										343
3.Disp prev record and has										
4.Disp prev record and no c										
7.Not Alzheimer's disease										20

Value	w11	w12	w13	w14	w15	w16
.D=DK	14	15	15	11	6	7
.J=Web interview, missing				7	10	6
.M=Oth missing	1		1			2
.R=RF	3	2	2	3	2	3
0.No	20095	18350	20530	16855	15475	15547
1.Yes	355	337	311	251	211	210
3.Disp prev record and has	3					
4.Disp prev record and no c	40	17	14	8	5	3
7.Not Alzheimer's disease	43	26	39	11	14	9

SwALZHE: S reports Alzheimer this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										10
.J=Web interview, missing										
.M=Oth missing										
.R=RF										1
.U=Unmarried										7797
.V=Spouse NR										724
0.No										13366
1.Yes										127
3.Disp prev record and has										
4.Disp prev record and no c										
7.Not Alzheimer's disease										9

Value	w11	w12	w13	w14	w15	w16
.D=DK	5	4	5	4	2	1
.J=Web interview, missing				5	9	4
.M=Oth missing	1					1
.R=RF	1	1	1		1	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	12316	10871	11653	9246	8376	7761
1.Yes	127	115	103	94	79	69
3.Disp prev record and has	1					
4.Disp prev record and no c	16	8	4	3	3	
7.Not Alzheimer's disease	17	13	13	6	7	2

RwALZHEQ: Q-wording of Alzheimer this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw: have had [ever]										21157
2.ReIvw,NoCond: have had si										
3.ReIvw,Cond: last time sai										
4.ReIvw,Cond: skip question										
5.ReIvw/NewR: have ever had										877
11.ReIvw BUT Pre=NewIvw: ha										
15.ReIvw,Cond BUT Pre=NoCon										
16.ReIvw,NoCond BUT Pre=Con										
17.ReIvw,NoCond BUT Pre=Con										

Value	w11	w12	w13	w14	w15	w16
1.NewIvw: have had [ever]	684	276	4574	186	175	2763
2.ReIvw,NoCond: have had si	18713	17626	15611	16420	14922	12566
3.ReIvw,Cond: last time sai	159	177	146	6	6	3
4.ReIvw,Cond: skip question				126	105	91
5.ReIvw/NewR: have ever had	753	655	569	369	490	356
11.ReIvw BUT Pre=NewIvw: ha	188	5	9	34	23	6
15.ReIvw,Cond BUT Pre=NoCon	18					
16.ReIvw,NoCond BUT Pre=Con	39	8	3	1		
17.ReIvw,NoCond BUT Pre=Con				4	2	2

SwALZHEQ: Q-wording of Alzheimer this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried										7797
.V=Spouse NR										724
1.NewIvw: have had [ever]										13028
2.ReIvw,NoCond: have had si										
3.ReIvw,Cond: last time sai										
4.ReIvw,Cond: skip question										
5.ReIvw/NewR: have ever had										485
11.ReIvw BUT Pre=NewIvw: ha										
15.ReIvw,Cond BUT Pre=NoCon										
16.ReIvw,NoCond BUT Pre=Con										
17.ReIvw,NoCond BUT Pre=Con										

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.NewIvw: have had [ever]	507	213	2523	178	158	1222
2.ReIvw,NoCond: have had si	11312	10358	8910	8907	8019	6401
3.ReIvw,Cond: last time sai	55	56	43	2	3	
4.ReIvw,Cond: skip question				41	32	29
5.ReIvw/NewR: have ever had	450	375	294	208	245	182
11.ReIvw BUT Pre=NewIvw: ha	137	5	8	21	19	5
15.ReIvw,Cond BUT Pre=NoCon	8					
16.ReIvw,NoCond BUT Pre=Con	15	5	1			
17.ReIvw,NoCond BUT Pre=Con				1	1	1

RwALZHEE: R ever reported Alzheimer

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No										21711
1.Yes										323

Value	w11	w12	w13	w14	w15	w16
0.No	20205	18406	20589	16885	15500	15561
1.Yes	349	341	323	261	223	226

SwALZHEE: S ever reported Alzheimer

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried										7797
.V=Spouse NR										724
0.No										13395
1.Yes										118

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	12360	10895	11676	9262	8394	7764
1.Yes	124	117	103	96	83	76

RwALZHEF: Flag chg prev report of Alzheimer

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.OK										
1.NewR says not ever but pr										
2.Says no cur wv but prev s										
3.Dispute,set to N										
4.Dispute after,already N										
6.Dispute after,Y->N										
8.Dispute prev wv,but now Y										

Value	w11	w12	w13	w14	w15	w16
0.OK	20451	18684	20867	17116	15702	15768
1.NewR says not ever but pr	10	13	6	12	10	12
2.Says no cur wv but prev s	6	7	10	3	4	4
3.Dispute,set to N	40	17	14	8	5	3
4.Dispute after,already N	14	7	5	1		
6.Dispute after,Y->N	30	19	10	6	2	
8.Dispute prev wv,but now Y	3					

SwALZHEF: Flag chg prev report of Alzheimer

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried										
.V=Spouse NR										
0.OK										
1.NewR says not ever but pr										
2.Says no cur wv but prev s										
3.Dispute,set to N										
4.Dispute after,already N										
6.Dispute after,Y->N										
8.Dispute prev wv,but now Y										

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.OK	12440	10987	11763	9348	8470	7833
1.NewR says not ever but pr	4	3	2	3	4	6
2.Says no cur wv but prev s	3	4	3	1		1
3.Dispute,set to N	16	8	4	3	3	
4.Dispute after,already N	6	4	2			
6.Dispute after,Y->N	14	6	5	3		
8.Dispute prev wv,but now Y	1					

RwDEMEN: R reports dementia this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										28
.J=Web interview, missing										
.M=Oth missing										20
.R=RF										4
.S=Skip										343
0.No										21203
1.Yes										436
3.Disp prev record and has										
4.Disp prev record and no c										

Value	w11	w12	w13	w14	w15	w16
.D=DK	13	28	17	12	18	8
.J=Web interview, missing				4	11	5
.M=Oth missing	5		1		1	2
.R=RF	6	3	2	3	2	2
.S=Skip	353	337	310	186	174	182
0.No	19602	17820	20030	16403	15055	15134
1.Yes	511	493	500	514	452	445
3.Disp prev record and has	1	6	1			
4.Disp prev record and no c	63	60	51	24	10	9

SwDEMEN: S reports dementia this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										11
.J=Web interview, missing										
.M=Oth missing										9
.R=RF										1
.S=Skip										127
.U=Unmarried										7797
.V=Spouse NR										724
0.No										13180
1.Yes										185
3.Disp prev record and has										
4.Disp prev record and no c										

Value	w11	w12	w13	w14	w15	w16
.D=DK	4	9	6	6	4	1
.J=Web interview, missing				2	4	4
.M=Oth missing	3					1
.R=RF	1	1	2			1
.S=Skip	125	115	102	69	65	60
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	12104	10654	11453	9058	8227	7613
1.Yes	221	198	193	212	175	160
3.Disp prev record and has	1	2	1			
4.Disp prev record and no c	25	33	22	11	2	

RwDEMENQ: Q-wording of dementia this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw: have had [ever]										20971
2.ReIvw,NoCond: have had si										
3.ReIvw,Cond: last time sai										
4.ReIvw,Cond: skip question										
5.ReIvw/NewR: have ever had										877
11.ReIvw BUT Pre=NewIvw: ha										
15.ReIvw,Cond BUT Pre=NoCon										
16.ReIvw,NoCond BUT Pre=Con										
17.ReIvw,NoCond BUT Pre=Con										
20.DEMEN only: have ALZHE,										186

Value	w11	w12	w13	w14	w15	w16
1.NewIvw: have had [ever]	677	274	4566	186	175	2753
2.ReIvw,NoCond: have had si	18413	17299	15336	16112	14659	12297
3.ReIvw,Cond: last time sai	218	262	228	246	218	217
4.ReIvw,Cond: skip question				25	25	17
5.ReIvw/NewR: have ever had	753	655	569	369	490	356
11.ReIvw BUT Pre=NewIvw: ha	188	5	9	32	23	6
15.ReIvw,Cond BUT Pre=NoCon	20	6	2	7	5	6
16.ReIvw,NoCond BUT Pre=Con	30	13	3	2		
17.ReIvw,NoCond BUT Pre=Con				24	1	
20.DEMEN only: have ALZHE,	255	233	199	143	127	135

SwDEMENQ: Q-wording of dementia this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried										7797
.V=Spouse NR										724
1.NewIvw: have had [ever]										12954
2.ReIvw,NoCond: have had si										
3.ReIvw,Cond: last time sai										
4.ReIvw,Cond: skip question										
5.ReIvw/NewR: have ever had										485
11.ReIvw BUT Pre=NewIvw: ha										
15.ReIvw,Cond BUT Pre=NoCon										
16.ReIvw,NoCond BUT Pre=Con										
17.ReIvw,NoCond BUT Pre=Con										
20.DEMEN only: have ALZHE,										74

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.NewIvw: have had [ever]	503	211	2521	178	158	1219
2.ReIvw,NoCond: have had si	11187	10224	8791	8776	7915	6302
3.ReIvw,Cond: last time sai	96	111	97	101	81	78
4.ReIvw,Cond: skip question				10	9	6
5.ReIvw/NewR: have ever had	450	375	294	208	245	182
11.ReIvw BUT Pre=NewIvw: ha	137	5	8	20	19	5
15.ReIvw,Cond BUT Pre=NoCon	11	3	1	3	3	1
16.ReIvw,NoCond BUT Pre=Con	10	6				
17.ReIvw,NoCond BUT Pre=Con				8		
20.DEMEN only: have ALZHE,	90	77	67	54	47	47

RwDEMENE: R ever reported dementia

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No										21327
1.Yes										707

Value	w11	w12	w13	w14	w15	w16
0.No	19727	17913	20068	16421	15068	15118
1.Yes	827	834	844	725	655	669

SwDEMENE: S ever reported dementia

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried										7797
.V=Spouse NR										724
0.No										13239
1.Yes										274

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	12163	10701	11465	9061	8220	7602
1.Yes	321	311	314	297	257	238

RwDEMENF: Flag chg prev report of dementia

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.OK										
1.NewR says not ever but pr										
2.Says no cur wv but prev s										
3.Dispute,set to N										
4.Dispute after,already N										
6.Dispute after,Y->N										
8.Dispute prev wv,but now Y										

Value	w11	w12	w13	w14	w15	w16
0.OK	20298	18538	20757	17064	15670	15736
1.NewR says not ever but pr	22	20	15	6	5	15
2.Says no cur wv but prev s	23	39	45	34	30	27
3.Dispute,set to N	63	60	51	24	10	9
4.Dispute after,already N	61	20	13	3		
6.Dispute after,Y->N	86	64	30	15	8	
8.Dispute prev wv,but now Y	1	6	1			

SwDEMENF: Flag chg prev report of dementia

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried										
.V=Spouse NR										
0.OK										
1.NewR says not ever but pr										
2.Says no cur wv but prev s										
3.Dispute,set to N										
4.Dispute after,already N										
6.Dispute after,Y->N										
8.Dispute prev wv,but now Y										

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.OK	12359	10910	11712	9323	8454	7822
1.NewR says not ever but pr	10	6	9	2	4	8
2.Says no cur wv but prev s	11	20	19	17	15	10
3.Dispute,set to N	25	33	22	11	2	
4.Dispute after,already N	30	9	4	2		
6.Dispute after,Y->N	48	32	12	3	2	
8.Dispute prev wv,but now Y	1	2	1			

Format Reference Tables – complete variable value labels

Variables: ALZHE, ARTHR, CANCR, DEMEN, DIAB, HEART, HIBP, LUNG, MEMRY, PSYCH, SLEEP, STROK

.D=DK
.J=Web interview, missing
.M=Oth missing
.P=Preload yes,but no prv wv
.R=RF
.S=Skip
.T=Other
.U=Unmarried
.V=Spouse NR
.Y=Via preload+yes prev wv
0.No
1.Yes
2.TIA/possible stroke
3.Disp prev record and has cond
4.Disp prev record and no cond
5.Disp prev record (DK if cond)
6.Preld prob:prev had/no new
7.Not Alzheimer's disease

Variables: ALZHEQ, ARTHRQ, CANCRQ, DEMENQ, DIABQ, HEARTQ, HIBPQ, LUNGQ, MEMRYQ, PSYCHQ, STROKQ

.T=Other
.U=Unmarried
.V=Spouse NR
1.NewIvw: have had [ever]
2.ReIvw,NoCond: have had since last Ivw
3.ReIvw,Cond: last time said had
4.ReIvw,Cond: skip question
5.ReIvw/NewR: have ever had
6.ReIvw,Cond: told had since last Ivw
7.Skipped Have You Ever Had Condition question
8.New interview R reported EVER HAD but no longer have
10.Ovrlap-93Ivw: have had [ever]
11.ReIvw BUT Pre=NewIvw: have had [ever]
12.NewIvw BUT Pre=ReIvw,NoCond: have had since last Ivw
13.NewIvw BUT Pre=ReIvw,Cond: last time said had
14.NewIvw BUT Pre=ReIvw,Cond: skip question
15.ReIvw,Cond BUT Pre=NoCond: have had since last Ivw
16.ReIvw,NoCond BUT Pre=Cond: last time said had
17.ReIvw,NoCond BUT Pre=Cond: Skip question
18.NewIvw BUT Pre=ReIvw,Cond: told had since last Ivw
19.ReIvw,NoCond BUT Pre=Cond: told had since last Ivw
20.DEMEN only: have ALZHE, skip question

Variables: ALZHEF, DEMENF, MEMRYF

.U=Unmarried
.V=Spouse NR
0.OK
1.NewR says not ever but prev said had cond
2.Says no cur wv but prev said had cond
3.Dispute,set to N
4.Dispute after,already N
5.Dispute after,.->N

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6.Dispute after,Y->N
7.Dispute before,Evr=bef Evr
8.Dispute prev wv,but now Y
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How Constructed

RwMEMRY indicates the raw response to the question regarding whether or not a doctor has told the Respondent they had a memory-related disease. The exact question wording depends on whether this is a first interview and whether the person being interviewed is the same as in the prior interview. If a preload variable indicates that the condition was reported at a prior interview, then the question is skipped. The question about memory-related disease is first asked in Wave 4. It is not asked after Wave 9.

RwMEMRYE is an indicator variable denoting whether or not the Respondent reports a doctor has ever told them that they had this condition in this or any previous wave. Notably, if a Respondent reports they don't know or refuses to answer, the Respondent is also coded as "0." RAMEMRYEF is a flag variable which give the first time, if ever, the Respondent gives a response of "Don't Know," refused to answer the question or was inadvertently skipped over the question.

RwMEMRYQ indicates the question wording used, based on preload variables, and whether the preloaded information is correct. RwMEMRYF indicates whether the current wave conflicts with information given at a prior wave.

The question wording is one of the following (main codes in "Q" variables are given in parentheses):

If new interview, or from Wave 6 forward, new person answering questions (1.NewIvw or 5.ReIvw/NewR): "Has a doctor ever told you that you have ..."

If reinterview and no prior report of condition (2.ReIvw,NoCond): "Since we last talked to you, that is since [last interview date], has a doctor told you that you have ..."

Through Wave 8, if it is a reinterview and the condition is reported in a prior wave (4.ReIvw,Cond), the question is skipped.

In Wave 9, all Respondents were asked this question and were given the opportunity to dispute answers given in previous waves.

In Wave 10, the health questionnaire changed. Respondents are now asked if they have ever been told they have Alzheimer's disease or dementia rather than memory-related disease as in previous waves.

RwALZHE and RwDEMEN indicate the raw response to the questions regarding whether or not a doctor has told the Respondent they had Alzheimer/dementia. The exact question wording depends on whether this is a first interview and whether the person being interviewed is the same as in the prior interview.

RwALZHEE and RwDEMENE are indicator variables denoting whether or not the Respondent reports a doctor has ever told them that they had this condition in this or any previous wave. Notably, if a Respondent reports they don't know or refuses to answer, the Respondent is also coded as "0." RAALZHEEF and RADEMENEF are flag variables which give the first time, if ever, the Respondent gives a response of "Don't Know," refused to answer the question or was inadvertently skipped over the question.

RwALZHEF and RwDEMENF indicate whether the current wave conflicts with information given at a prior wave. RwALZHEQ and RwDEMENQ indicate the question wording used, based on preload variables, and whether the preloaded information is correct.

The question wording is one of the following (main codes in "Q" variables are given in parentheses):

If new interview, or from Wave 6 forward, new person answering questions (1.NewIvw or 5.ReIvw/NewR): "Has a doctor ever told you that you have ..."

If reinterview and no prior report of condition (2.ReIvw,NoCond): "Since we last talked to you, that is since [last interview date], has a doctor told you that you have ..."

The "Q" variables have additional codes that indicate situations where the preload variables determine the question wording, but do not agree with the actual situation in prior waves. A code of 11 means that the Respondent has a prior interview but the preload indicates this is a new interview, so the question asks if the Respondent has ever been told about a condition; 12 means that this is a new interview but the preload indicates it is a reinterview; and 15 means that the Respondent previously reported having a condition but the preload indicates a prior interview with no condition. In situations flagged by a 12 or 15, the question asks if the Respondent has been told about a condition since the last interview, even though this is the Respondent's first interview (in the case of 12), or the question should have been skipped due to a prior report (in the case of 15). A code of 20 means that the Dementia question was skipped because the Respondent said yes to the Alzheimer's question this wave.

RwMEMRY, RwALZHE, and RwDEMEN are recoded to reflect the answer given. The meaning of the answer depends on the question asked, so the analyst may want to consider this variable in conjunction with the corresponding "Q" variables. Generally, a "1" means "yes" and "0" means "no." For RwMEMRY, note that for a re-interview when the condition was previously reported, this question is skipped; in this situation the variable is set to special missing .Y. From Waves 10 forward, if the Respondent indicates that a doctor has told the Respondent they have Alzheimer's disease, then the question about dementia is skipped and RwDEMEN is set to .S=skip (and RwDEMENE is set to 1 (yes)). If the Respondent responds to the Alzheimer question that it was not Alzheimer's disease then RwALZHE is set to 7=not Alzheimer's disease, RwALZHEE is set to 0 (no), and RwDEMEN is set to 1 (yes). Starting in Wave 14, if a preload variable indicates that the condition was reported at a prior interview, then the question (for RwALZHE and RwDEMEN) is skipped and the values are set to 1 (yes).

SwMEMRY, SwALZHE, SwDEMEN, SwMEMRYQ, SwALZHEQ, SwDEMENQ, SwMEMRYE, SwALZHEE, SwDEMENE, SwMEMRYF SwALZHEF, and SwDEMENF, give this information for the Respondent's spouse or partner.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S4MEMRY is taken from the Wave 4 spouse's R4MEMRY variable.

Please see the "Change in Health" variables as well. Included there are RwMEMRYS, RwALZHES, and RwDEMENS, which measure whether the disease is new in a particular wave, i.e., reported as new since the last interview.

Cross Wave Differences in Original HRS Data

Respondents are first asked about memory-related disease in Wave 4. At a Respondent's first interview at or after Wave 4, the question asks:

"Has a doctor ever told you that you have a memory-related disease?"

From Wave 6 forward, if the person answering the questions is new, the question is asked as though it were the first interview, regardless of what had been reported at prior interviews. Thus if the prior interview was given by the Respondent and the current is by proxy, or vice versa, or if both interviews are by proxy but conducted with different people, then this is treated like a first interview and the ever question wording is used.

Until Wave 9, the question is not asked if the appropriate preloaded variable indicates that the Respondent has said yes to this condition at a prior interview. If the preload indicates that the Respondent has not yet reported a memory-related disease then the question wording is:

"Since we last talked to you, that is since [last interview date], has a doctor told you that you have a memory-related disease?"

The definition of "doctor" in Wave 6 was: Medical doctors include specialists such as, Dermatologists, Psychiatrists, Ophthalmologists, as well as general practitioners, and Osteopaths. Do not include Chiropractors, Dentists, or Nurses/Nurse Practitioners.

In Wave 7 this was expanded as follows: Medical doctors include specialists such as Dermatologists, Psychiatrists, Ophthalmologists, Osteopaths, Cardiologists, as well as family doctors, internists and physicians' assistants. Do not include Chiropractors, Dentists, or Nurses/Nurse Practitioners.

In Wave 9, all Respondents were asked this question and were given the opportunity to dispute answers given in previous waves.

In Wave 10, the health questionnaire changed. Respondents are now asked if they have ever been told they have Alzheimer's disease or dementia rather than memory-related disease as in previous waves.

HRS Variables Used

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HRS 1998:
    F1193           B10D. MEMORY-RELATED DISEASE
HRS 2000:
    G1326           B10D. MEMORY-RELATED DISEASE
    G262            PR262.PREV WAVE MEMORY DISEASE
    G753            CS22Y30.PREVIOUS WAVE INTERV
HRS 2002-2008:
    xC069           MEMORY RELATED DISEASE
HRS 2002-2022:
    xA009           PROXY/SELF INTERVIEW
    xA010           CURRENT - WAVE PROXY
    xZ076           R EVER INTERVIEWED
    xZ095           PREV WAVE IW SELF/PROXY
    xZ117           PREV WAVE R HAS MEMORY DISEASE
HRS 2010-2022:
    xC272           EVER HAD ALZHEIMERS
    xC273           EVER HAD DEMENTIA
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Doctor diagnosed health problems: Ever Have Condition (Two Consecutive Reports)

Wave	Variable	Label	Type
1	R1HIBPE2	R1HIBPE2:W1 R ever had high blood pressure-2 Consecutive Reports	Categ
2	R2HIBPE2	R2HIBPE2:W2 R ever had high blood pressure-2 Consecutive Reports	Categ
3	R3HIBPE2	R3HIBPE2:W3 R ever had high blood pressure-2 Consecutive Reports	Categ
4	R4HIBPE2	R4HIBPE2:W4 R ever had high blood pressure-2 Consecutive Reports	Categ
5	R5HIBPE2	R5HIBPE2:W5 R ever had high blood pressure-2 Consecutive Reports	Categ
6	R6HIBPE2	R6HIBPE2:W6 R ever had high blood pressure-2 Consecutive Reports	Categ
7	R7HIBPE2	R7HIBPE2:W7 R ever had high blood pressure-2 Consecutive Reports	Categ
8	R8HIBPE2	R8HIBPE2:W8 R ever had high blood pressure-2 Consecutive Reports	Categ
9	R9HIBPE2	R9HIBPE2:W9 R ever had high blood pressure-2 Consecutive Reports	Categ
10	R10HIBPE2	R10HIBPE2:W10 R ever had high blood pressure-2 Consecutive Reports	Categ
11	R11HIBPE2	R11HIBPE2:W11 R ever had high blood pressure-2 Consecutive Reports	Categ
12	R12HIBPE2	R12HIBPE2:W12 R ever had high blood pressure-2 Consecutive Reports	Categ
13	R13HIBPE2	R13HIBPE2:W13 R ever had high blood pressure-2 Consecutive Reports	Categ
14	R14HIBPE2	R14HIBPE2:W14 R ever had high blood pressure-2 Consecutive Reports	Categ
15	R15HIBPE2	R15HIBPE2:W15 R ever had high blood pressure-2 Consecutive Reports	Categ
16	R16HIBPE2	R16HIBPE2:W16 R ever had high blood pressure-2 Consecutive Reports	Categ
1	S1HIBPE2	S1HIBPE2:W1 S ever had high blood pressure-2 Consecutive Reports	Categ
2	S2HIBPE2	S2HIBPE2:W2 S ever had high blood pressure-2 Consecutive Reports	Categ
3	S3HIBPE2	S3HIBPE2:W3 S ever had high blood pressure-2 Consecutive Reports	Categ
4	S4HIBPE2	S4HIBPE2:W4 S ever had high blood pressure-2 Consecutive Reports	Categ
5	S5HIBPE2	S5HIBPE2:W5 S ever had high blood pressure-2 Consecutive Reports	Categ
6	S6HIBPE2	S6HIBPE2:W6 S ever had high blood pressure-2 Consecutive Reports	Categ
7	S7HIBPE2	S7HIBPE2:W7 S ever had high blood pressure-2 Consecutive Reports	Categ
8	S8HIBPE2	S8HIBPE2:W8 S ever had high blood pressure-2 Consecutive Reports	Categ
9	S9HIBPE2	S9HIBPE2:W9 S ever had high blood pressure-2 Consecutive Reports	Categ
10	S10HIBPE2	S10HIBPE2:W10 S ever had high blood pressure-2 Consecutive Reports	Categ
11	S11HIBPE2	S11HIBPE2:W11 S ever had high blood pressure-2 Consecutive Reports	Categ
12	S12HIBPE2	S12HIBPE2:W12 S ever had high blood pressure-2 Consecutive Reports	Categ
13	S13HIBPE2	S13HIBPE2:W13 S ever had high blood pressure-2 Consecutive Reports	Categ
14	S14HIBPE2	S14HIBPE2:W14 S ever had high blood pressure-2 Consecutive Reports	Categ
15	S15HIBPE2	S15HIBPE2:W15 S ever had high blood pressure-2 Consecutive Reports	Categ
16	S16HIBPE2	S16HIBPE2:W16 S ever had high blood pressure-2 Consecutive Reports	Categ
1	R1DIABE2	R1DIABE2:W1 R ever had diabetes-2 Consecutive Reports	Categ
2	R2DIABE2	R2DIABE2:W2 R ever had diabetes-2 Consecutive Reports	Categ
3	R3DIABE2	R3DIABE2:W3 R ever had diabetes-2 Consecutive Reports	Categ
4	R4DIABE2	R4DIABE2:W4 R ever had diabetes-2 Consecutive Reports	Categ
5	R5DIABE2	R5DIABE2:W5 R ever had diabetes-2 Consecutive Reports	Categ
6	R6DIABE2	R6DIABE2:W6 R ever had diabetes-2 Consecutive Reports	Categ
7	R7DIABE2	R7DIABE2:W7 R ever had diabetes-2 Consecutive Reports	Categ
8	R8DIABE2	R8DIABE2:W8 R ever had diabetes-2 Consecutive Reports	Categ
9	R9DIABE2	R9DIABE2:W9 R ever had diabetes-2 Consecutive Reports	Categ
10	R10DIABE2	R10DIABE2:W10 R ever had diabetes-2 Consecutive Reports	Categ
11	R11DIABE2	R11DIABE2:W11 R ever had diabetes-2 Consecutive Reports	Categ
12	R12DIABE2	R12DIABE2:W12 R ever had diabetes-2 Consecutive Reports	Categ
13	R13DIABE2	R13DIABE2:W13 R ever had diabetes-2 Consecutive Reports	Categ
14	R14DIABE2	R14DIABE2:W14 R ever had diabetes-2 Consecutive Reports	Categ
15	R15DIABE2	R15DIABE2:W15 R ever had diabetes-2 Consecutive Reports	Categ
16	R16DIABE2	R16DIABE2:W16 R ever had diabetes-2 Consecutive Reports	Categ
1	S1DIABE2	S1DIABE2:W1 S ever had diabetes-2 Consecutive Reports	Categ
2	S2DIABE2	S2DIABE2:W2 S ever had diabetes-2 Consecutive Reports	Categ
3	S3DIABE2	S3DIABE2:W3 S ever had diabetes-2 Consecutive Reports	Categ
4	S4DIABE2	S4DIABE2:W4 S ever had diabetes-2 Consecutive Reports	Categ
5	S5DIABE2	S5DIABE2:W5 S ever had diabetes-2 Consecutive Reports	Categ
6	S6DIABE2	S6DIABE2:W6 S ever had diabetes-2 Consecutive Reports	Categ
7	S7DIABE2	S7DIABE2:W7 S ever had diabetes-2 Consecutive Reports	Categ
8	S8DIABE2	S8DIABE2:W8 S ever had diabetes-2 Consecutive Reports	Categ
9	S9DIABE2	S9DIABE2:W9 S ever had diabetes-2 Consecutive Reports	Categ
10	S10DIABE2	S10DIABE2:W10 S ever had diabetes-2 Consecutive Reports	Categ
11	S11DIABE2	S11DIABE2:W11 S ever had diabetes-2 Consecutive Reports	Categ
12	S12DIABE2	S12DIABE2:W12 S ever had diabetes-2 Consecutive Reports	Categ
13	S13DIABE2	S13DIABE2:W13 S ever had diabetes-2 Consecutive Reports	Categ
14	S14DIABE2	S14DIABE2:W14 S ever had diabetes-2 Consecutive Reports	Categ
15	S15DIABE2	S15DIABE2:W15 S ever had diabetes-2 Consecutive Reports	Categ

16	S16DIABE2	S16DIABE2:W16 S ever had diabetes-2 Consecutive Reports	Categ
1	R1CANCRE2	R1CANCRE2:W1 R ever had cancer-2 Consecutive Reports	Categ
2	R2CANCRE2	R2CANCRE2:W2 R ever had cancer-2 Consecutive Reports	Categ
3	R3CANCRE2	R3CANCRE2:W3 R ever had cancer-2 Consecutive Reports	Categ
4	R4CANCRE2	R4CANCRE2:W4 R ever had cancer-2 Consecutive Reports	Categ
5	R5CANCRE2	R5CANCRE2:W5 R ever had cancer-2 Consecutive Reports	Categ
6	R6CANCRE2	R6CANCRE2:W6 R ever had cancer-2 Consecutive Reports	Categ
7	R7CANCRE2	R7CANCRE2:W7 R ever had cancer-2 Consecutive Reports	Categ
8	R8CANCRE2	R8CANCRE2:W8 R ever had cancer-2 Consecutive Reports	Categ
9	R9CANCRE2	R9CANCRE2:W9 R ever had cancer-2 Consecutive Reports	Categ
10	R10CANCRE2	R10CANCRE2:W10 R ever had cancer-2 Consecutive Reports	Categ
11	R11CANCRE2	R11CANCRE2:W11 R ever had cancer-2 Consecutive Reports	Categ
12	R12CANCRE2	R12CANCRE2:W12 R ever had cancer-2 Consecutive Reports	Categ
13	R13CANCRE2	R13CANCRE2:W13 R ever had cancer-2 Consecutive Reports	Categ
14	R14CANCRE2	R14CANCRE2:W14 R ever had cancer-2 Consecutive Reports	Categ
15	R15CANCRE2	R15CANCRE2:W15 R ever had cancer-2 Consecutive Reports	Categ
16	R16CANCRE2	R16CANCRE2:W16 R ever had cancer-2 Consecutive Reports	Categ
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2	S2CANCRE2	S2CANCRE2:W2 S ever had cancer-2 Consecutive Reports	Categ
3	S3CANCRE2	S3CANCRE2:W3 S ever had cancer-2 Consecutive Reports	Categ
4	S4CANCRE2	S4CANCRE2:W4 S ever had cancer-2 Consecutive Reports	Categ
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16	S16CANCRE2	S16CANCRE2:W16 S ever had cancer-2 Consecutive Reports	Categ
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2	R2LUNGE2	R2LUNGE2:W2 R ever had lung disease-2 Consecutive Reports	Categ
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15	R15LUNGE2	R15LUNGE2:W15 R ever had lung disease-2 Consecutive Reports	Categ
16	R16LUNGE2	R16LUNGE2:W16 R ever had lung disease-2 Consecutive Reports	Categ
1	S1LUNGE2	S1LUNGE2:W1 S ever had lung disease-2 Consecutive Reports	Categ
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16	S16LUNGE2	S16LUNGE2:W16 S ever had lung disease-2 Consecutive Reports	Categ
1	R1HEARTE2	R1HEARTE2:W1 R ever had heart problems-2 Consecutive Reports	Categ
2	R2HEARTE2	R2HEARTE2:W2 R ever had heart problems-2 Consecutive Reports	Categ

3	R3HEARTE2	R3HEARTE2:W3 R ever had heart problems-2 Consecutive Reports	Categ
4	R4HEARTE2	R4HEARTE2:W4 R ever had heart problems-2 Consecutive Reports	Categ
5	R5HEARTE2	R5HEARTE2:W5 R ever had heart problems-2 Consecutive Reports	Categ
6	R6HEARTE2	R6HEARTE2:W6 R ever had heart problems-2 Consecutive Reports	Categ
7	R7HEARTE2	R7HEARTE2:W7 R ever had heart problems-2 Consecutive Reports	Categ
8	R8HEARTE2	R8HEARTE2:W8 R ever had heart problems-2 Consecutive Reports	Categ
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14	R14HEARTE2	R14HEARTE2:W14 R ever had heart problems-2 Consecutive Reports	Categ
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16	R16HEARTE2	R16HEARTE2:W16 R ever had heart problems-2 Consecutive Reports	Categ
1	S1HEARTE2	S1HEARTE2:W1 S ever had heart problems-2 Consecutive Reports	Categ
2	S2HEARTE2	S2HEARTE2:W2 S ever had heart problems-2 Consecutive Reports	Categ
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6	S6HEARTE2	S6HEARTE2:W6 S ever had heart problems-2 Consecutive Reports	Categ
7	S7HEARTE2	S7HEARTE2:W7 S ever had heart problems-2 Consecutive Reports	Categ
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15	S15HEARTE2	S15HEARTE2:W15 S ever had heart problems-2 Consecutive Reports	Categ
16	S16HEARTE2	S16HEARTE2:W16 S ever had heart problems-2 Consecutive Reports	Categ
1	R1STROKE2	R1STROKE2:W1 R ever had stroke-2 Consecutive Reports	Categ
2	R2STROKE2	R2STROKE2:W2 R ever had stroke-2 Consecutive Reports	Categ
3	R3STROKE2	R3STROKE2:W3 R ever had stroke-2 Consecutive Reports	Categ
4	R4STROKE2	R4STROKE2:W4 R ever had stroke-2 Consecutive Reports	Categ
5	R5STROKE2	R5STROKE2:W5 R ever had stroke-2 Consecutive Reports	Categ
6	R6STROKE2	R6STROKE2:W6 R ever had stroke-2 Consecutive Reports	Categ
7	R7STROKE2	R7STROKE2:W7 R ever had stroke-2 Consecutive Reports	Categ
8	R8STROKE2	R8STROKE2:W8 R ever had stroke-2 Consecutive Reports	Categ
9	R9STROKE2	R9STROKE2:W9 R ever had stroke-2 Consecutive Reports	Categ
10	R10STROKE2	R10STROKE2:W10 R ever had stroke-2 Consecutive Reports	Categ
11	R11STROKE2	R11STROKE2:W11 R ever had stroke-2 Consecutive Reports	Categ
12	R12STROKE2	R12STROKE2:W12 R ever had stroke-2 Consecutive Reports	Categ
13	R13STROKE2	R13STROKE2:W13 R ever had stroke-2 Consecutive Reports	Categ
14	R14STROKE2	R14STROKE2:W14 R ever had stroke-2 Consecutive Reports	Categ
15	R15STROKE2	R15STROKE2:W15 R ever had stroke-2 Consecutive Reports	Categ
16	R16STROKE2	R16STROKE2:W16 R ever had stroke-2 Consecutive Reports	Categ
1	S1STROKE2	S1STROKE2:W1 S ever had stroke-2 Consecutive Reports	Categ
2	S2STROKE2	S2STROKE2:W2 S ever had stroke-2 Consecutive Reports	Categ
3	S3STROKE2	S3STROKE2:W3 S ever had stroke-2 Consecutive Reports	Categ
4	S4STROKE2	S4STROKE2:W4 S ever had stroke-2 Consecutive Reports	Categ
5	S5STROKE2	S5STROKE2:W5 S ever had stroke-2 Consecutive Reports	Categ
6	S6STROKE2	S6STROKE2:W6 S ever had stroke-2 Consecutive Reports	Categ
7	S7STROKE2	S7STROKE2:W7 S ever had stroke-2 Consecutive Reports	Categ
8	S8STROKE2	S8STROKE2:W8 S ever had stroke-2 Consecutive Reports	Categ
9	S9STROKE2	S9STROKE2:W9 S ever had stroke-2 Consecutive Reports	Categ
10	S10STROKE2	S10STROKE2:W10 S ever had stroke-2 Consecutive Reports	Categ
11	S11STROKE2	S11STROKE2:W11 S ever had stroke-2 Consecutive Reports	Categ
12	S12STROKE2	S12STROKE2:W12 S ever had stroke-2 Consecutive Reports	Categ
13	S13STROKE2	S13STROKE2:W13 S ever had stroke-2 Consecutive Reports	Categ
14	S14STROKE2	S14STROKE2:W14 S ever had stroke-2 Consecutive Reports	Categ
15	S15STROKE2	S15STROKE2:W15 S ever had stroke-2 Consecutive Reports	Categ
16	S16STROKE2	S16STROKE2:W16 S ever had stroke-2 Consecutive Reports	Categ
1	R1PSYCHE2	R1PSYCHE2:W1 R ever had psych problems-2 Consecutive Reports	Categ
2	R2PSYCHE2	R2PSYCHE2:W2 R ever had psych problems-2 Consecutive Reports	Categ
3	R3PSYCHE2	R3PSYCHE2:W3 R ever had psych problems-2 Consecutive Reports	Categ
4	R4PSYCHE2	R4PSYCHE2:W4 R ever had psych problems-2 Consecutive Reports	Categ
5	R5PSYCHE2	R5PSYCHE2:W5 R ever had psych problems-2 Consecutive Reports	Categ
6	R6PSYCHE2	R6PSYCHE2:W6 R ever had psych problems-2 Consecutive Reports	Categ

7	R7PSYCHE2	R7PSYCHE2:W7 R ever had psych problems-2 Consecutive Reports	Categ
8	R8PSYCHE2	R8PSYCHE2:W8 R ever had psych problems-2 Consecutive Reports	Categ
9	R9PSYCHE2	R9PSYCHE2:W9 R ever had psych problems-2 Consecutive Reports	Categ
10	R10PSYCHE2	R10PSYCHE2:W10 R ever had psych problems-2 Consecutive Reports	Categ
11	R11PSYCHE2	R11PSYCHE2:W11 R ever had psych problems-2 Consecutive Reports	Categ
12	R12PSYCHE2	R12PSYCHE2:W12 R ever had psych problems-2 Consecutive Reports	Categ
13	R13PSYCHE2	R13PSYCHE2:W13 R ever had psych problems-2 Consecutive Reports	Categ
14	R14PSYCHE2	R14PSYCHE2:W14 R ever had psych problems-2 Consecutive Reports	Categ
15	R15PSYCHE2	R15PSYCHE2:W15 R ever had psych problems-2 Consecutive Reports	Categ
16	R16PSYCHE2	R16PSYCHE2:W16 R ever had psych problems-2 Consecutive Reports	Categ
1	S1PSYCHE2	S1PSYCHE2:W1 S ever had psych problems-2 Consecutive Reports	Categ
2	S2PSYCHE2	S2PSYCHE2:W2 S ever had psych problems-2 Consecutive Reports	Categ
3	S3PSYCHE2	S3PSYCHE2:W3 S ever had psych problems-2 Consecutive Reports	Categ
4	S4PSYCHE2	S4PSYCHE2:W4 S ever had psych problems-2 Consecutive Reports	Categ
5	S5PSYCHE2	S5PSYCHE2:W5 S ever had psych problems-2 Consecutive Reports	Categ
6	S6PSYCHE2	S6PSYCHE2:W6 S ever had psych problems-2 Consecutive Reports	Categ
7	S7PSYCHE2	S7PSYCHE2:W7 S ever had psych problems-2 Consecutive Reports	Categ
8	S8PSYCHE2	S8PSYCHE2:W8 S ever had psych problems-2 Consecutive Reports	Categ
9	S9PSYCHE2	S9PSYCHE2:W9 S ever had psych problems-2 Consecutive Reports	Categ
10	S10PSYCHE2	S10PSYCHE2:W10 S ever had psych problems-2 Consecutive Reports	Categ
11	S11PSYCHE2	S11PSYCHE2:W11 S ever had psych problems-2 Consecutive Reports	Categ
12	S12PSYCHE2	S12PSYCHE2:W12 S ever had psych problems-2 Consecutive Reports	Categ
13	S13PSYCHE2	S13PSYCHE2:W13 S ever had psych problems-2 Consecutive Reports	Categ
14	S14PSYCHE2	S14PSYCHE2:W14 S ever had psych problems-2 Consecutive Reports	Categ
15	S15PSYCHE2	S15PSYCHE2:W15 S ever had psych problems-2 Consecutive Reports	Categ
16	S16PSYCHE2	S16PSYCHE2:W16 S ever had psych problems-2 Consecutive Reports	Categ
1	R1ARTHRE2	R1ARTHRE2:W1 R ever had arthritis-2 Consecutive Reports	Categ
2	R2ARTHRE2	R2ARTHRE2:W2 R ever had arthritis-2 Consecutive Reports	Categ
3	R3ARTHRE2	R3ARTHRE2:W3 R ever had arthritis-2 Consecutive Reports	Categ
4	R4ARTHRE2	R4ARTHRE2:W4 R ever had arthritis-2 Consecutive Reports	Categ
5	R5ARTHRE2	R5ARTHRE2:W5 R ever had arthritis-2 Consecutive Reports	Categ
6	R6ARTHRE2	R6ARTHRE2:W6 R ever had arthritis-2 Consecutive Reports	Categ
7	R7ARTHRE2	R7ARTHRE2:W7 R ever had arthritis-2 Consecutive Reports	Categ
8	R8ARTHRE2	R8ARTHRE2:W8 R ever had arthritis-2 Consecutive Reports	Categ
9	R9ARTHRE2	R9ARTHRE2:W9 R ever had arthritis-2 Consecutive Reports	Categ
10	R10ARTHRE2	R10ARTHRE2:W10 R ever had arthritis-2 Consecutive Reports	Categ
11	R11ARTHRE2	R11ARTHRE2:W11 R ever had arthritis-2 Consecutive Reports	Categ
12	R12ARTHRE2	R12ARTHRE2:W12 R ever had arthritis-2 Consecutive Reports	Categ
13	R13ARTHRE2	R13ARTHRE2:W13 R ever had arthritis-2 Consecutive Reports	Categ
14	R14ARTHRE2	R14ARTHRE2:W14 R ever had arthritis-2 Consecutive Reports	Categ
15	R15ARTHRE2	R15ARTHRE2:W15 R ever had arthritis-2 Consecutive Reports	Categ
16	R16ARTHRE2	R16ARTHRE2:W16 R ever had arthritis-2 Consecutive Reports	Categ
1	S1ARTHRE2	S1ARTHRE2:W1 S ever had arthritis-2 Consecutive Reports	Categ
2	S2ARTHRE2	S2ARTHRE2:W2 S ever had arthritis-2 Consecutive Reports	Categ
3	S3ARTHRE2	S3ARTHRE2:W3 S ever had arthritis-2 Consecutive Reports	Categ
4	S4ARTHRE2	S4ARTHRE2:W4 S ever had arthritis-2 Consecutive Reports	Categ
5	S5ARTHRE2	S5ARTHRE2:W5 S ever had arthritis-2 Consecutive Reports	Categ
6	S6ARTHRE2	S6ARTHRE2:W6 S ever had arthritis-2 Consecutive Reports	Categ
7	S7ARTHRE2	S7ARTHRE2:W7 S ever had arthritis-2 Consecutive Reports	Categ
8	S8ARTHRE2	S8ARTHRE2:W8 S ever had arthritis-2 Consecutive Reports	Categ
9	S9ARTHRE2	S9ARTHRE2:W9 S ever had arthritis-2 Consecutive Reports	Categ
10	S10ARTHRE2	S10ARTHRE2:W10 S ever had arthritis-2 Consecutive Reports	Categ
11	S11ARTHRE2	S11ARTHRE2:W11 S ever had arthritis-2 Consecutive Reports	Categ
12	S12ARTHRE2	S12ARTHRE2:W12 S ever had arthritis-2 Consecutive Reports	Categ
13	S13ARTHRE2	S13ARTHRE2:W13 S ever had arthritis-2 Consecutive Reports	Categ
14	S14ARTHRE2	S14ARTHRE2:W14 S ever had arthritis-2 Consecutive Reports	Categ
15	S15ARTHRE2	S15ARTHRE2:W15 S ever had arthritis-2 Consecutive Reports	Categ
16	S16ARTHRE2	S16ARTHRE2:W16 S ever had arthritis-2 Consecutive Reports	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HIBPE2	12652	0.38	0.49	0.0	1.0

R2HIBPE2	19642	0.44	0.50	0.0	1.0
R3HIBPE2	17991	0.47	0.50	0.0	1.0
R4HIBPE2	21384	0.48	0.50	0.0	1.0
R5HIBPE2	19578	0.51	0.50	0.0	1.0
R6HIBPE2	18165	0.56	0.50	0.0	1.0
R7HIBPE2	20129	0.55	0.50	0.0	1.0
R8HIBPE2	18469	0.60	0.49	0.0	1.0
R9HIBPE2	17217	0.63	0.48	0.0	1.0
R10HIBPE2	22034	0.60	0.49	0.0	1.0
R11HIBPE2	20554	0.63	0.48	0.0	1.0
R12HIBPE2	18747	0.65	0.48	0.0	1.0
R13HIBPE2	20912	0.62	0.49	0.0	1.0
R14HIBPE2	17146	0.64	0.48	0.0	1.0
R15HIBPE2	15723	0.66	0.48	0.0	1.0
R16HIBPE2	15787	0.66	0.47	0.0	1.0
S1HIBPE2	9900	0.36	0.48	0.0	1.0
S2HIBPE2	13090	0.42	0.49	0.0	1.0
S3HIBPE2	11917	0.44	0.50	0.0	1.0
S4HIBPE2	13980	0.45	0.50	0.0	1.0
S5HIBPE2	12730	0.49	0.50	0.0	1.0
S6HIBPE2	11639	0.53	0.50	0.0	1.0
S7HIBPE2	12972	0.52	0.50	0.0	1.0
S8HIBPE2	11735	0.56	0.50	0.0	1.0
S9HIBPE2	10646	0.59	0.49	0.0	1.0
S10HIBPE2	13513	0.56	0.50	0.0	1.0
S11HIBPE2	12484	0.59	0.49	0.0	1.0
S12HIBPE2	11012	0.61	0.49	0.0	1.0
S13HIBPE2	11779	0.58	0.49	0.0	1.0
S14HIBPE2	9358	0.61	0.49	0.0	1.0
S15HIBPE2	8477	0.62	0.49	0.0	1.0
S16HIBPE2	7840	0.62	0.48	0.0	1.0
R1DIABE2	12652	0.11	0.31	0.0	1.0
R2DIABE2	19642	0.13	0.33	0.0	1.0
R3DIABE2	17991	0.14	0.35	0.0	1.0
R4DIABE2	21384	0.15	0.35	0.0	1.0
R5DIABE2	19578	0.16	0.37	0.0	1.0
R6DIABE2	18165	0.18	0.39	0.0	1.0
R7DIABE2	20129	0.19	0.39	0.0	1.0
R8DIABE2	18469	0.21	0.41	0.0	1.0
R9DIABE2	17217	0.23	0.42	0.0	1.0
R10DIABE2	22034	0.23	0.42	0.0	1.0
R11DIABE2	20554	0.25	0.43	0.0	1.0
R12DIABE2	18747	0.26	0.44	0.0	1.0
R13DIABE2	20912	0.27	0.44	0.0	1.0
R14DIABE2	17146	0.29	0.45	0.0	1.0
R15DIABE2	15723	0.30	0.46	0.0	1.0
R16DIABE2	15787	0.33	0.47	0.0	1.0
S1DIABE2	9900	0.10	0.30	0.0	1.0
S2DIABE2	13090	0.12	0.32	0.0	1.0
S3DIABE2	11917	0.13	0.34	0.0	1.0
S4DIABE2	13980	0.14	0.34	0.0	1.0
S5DIABE2	12730	0.15	0.36	0.0	1.0
S6DIABE2	11639	0.18	0.38	0.0	1.0
S7DIABE2	12972	0.18	0.38	0.0	1.0
S8DIABE2	11735	0.20	0.40	0.0	1.0
S9DIABE2	10646	0.22	0.41	0.0	1.0

S10DIABE2	13513	0.22	0.42	0.0	1.0
S11DIABE2	12484	0.24	0.42	0.0	1.0
S12DIABE2	11012	0.25	0.43	0.0	1.0
S13DIABE2	11779	0.26	0.44	0.0	1.0
S14DIABE2	9358	0.28	0.45	0.0	1.0
S15DIABE2	8477	0.29	0.45	0.0	1.0
S16DIABE2	7840	0.31	0.46	0.0	1.0
R1CANCRE2	12652	0.05	0.23	0.0	1.0
R2CANCRE2	19642	0.09	0.29	0.0	1.0
R3CANCRE2	17991	0.11	0.31	0.0	1.0
R4CANCRE2	21384	0.11	0.31	0.0	1.0
R5CANCRE2	19578	0.12	0.33	0.0	1.0
R6CANCRE2	18165	0.14	0.35	0.0	1.0
R7CANCRE2	20129	0.14	0.34	0.0	1.0
R8CANCRE2	18469	0.15	0.36	0.0	1.0
R9CANCRE2	17217	0.17	0.37	0.0	1.0
R10CANCRE2	22034	0.14	0.35	0.0	1.0
R11CANCRE2	20554	0.16	0.36	0.0	1.0
R12CANCRE2	18747	0.16	0.37	0.0	1.0
R13CANCRE2	20912	0.15	0.36	0.0	1.0
R14CANCRE2	17146	0.16	0.37	0.0	1.0
R15CANCRE2	15723	0.17	0.37	0.0	1.0
R16CANCRE2	15787	0.17	0.37	0.0	1.0
S1CANCRE2	9900	0.05	0.22	0.0	1.0
S2CANCRE2	13090	0.08	0.28	0.0	1.0
S3CANCRE2	11917	0.10	0.30	0.0	1.0
S4CANCRE2	13980	0.10	0.31	0.0	1.0
S5CANCRE2	12730	0.12	0.32	0.0	1.0
S6CANCRE2	11639	0.13	0.34	0.0	1.0
S7CANCRE2	12972	0.13	0.33	0.0	1.0
S8CANCRE2	11735	0.14	0.35	0.0	1.0
S9CANCRE2	10646	0.16	0.36	0.0	1.0
S10CANCRE2	13513	0.14	0.35	0.0	1.0
S11CANCRE2	12484	0.15	0.35	0.0	1.0
S12CANCRE2	11012	0.15	0.36	0.0	1.0
S13CANCRE2	11779	0.14	0.35	0.0	1.0
S14CANCRE2	9358	0.16	0.36	0.0	1.0
S15CANCRE2	8477	0.16	0.37	0.0	1.0
S16CANCRE2	7840	0.17	0.37	0.0	1.0
R1LUNGE2	12652	0.08	0.27	0.0	1.0
R2LUNGE2	19642	0.10	0.30	0.0	1.0
R3LUNGE2	17991	0.10	0.30	0.0	1.0
R4LUNGE2	21384	0.10	0.30	0.0	1.0
R5LUNGE2	19578	0.11	0.31	0.0	1.0
R6LUNGE2	18165	0.12	0.32	0.0	1.0
R7LUNGE2	20129	0.11	0.32	0.0	1.0
R8LUNGE2	18469	0.12	0.33	0.0	1.0
R9LUNGE2	17217	0.13	0.34	0.0	1.0
R10LUNGE2	22034	0.12	0.32	0.0	1.0
R11LUNGE2	20554	0.12	0.33	0.0	1.0
R12LUNGE2	18747	0.13	0.33	0.0	1.0
R13LUNGE2	20912	0.12	0.33	0.0	1.0
R14LUNGE2	17146	0.13	0.33	0.0	1.0
R15LUNGE2	15723	0.13	0.33	0.0	1.0
R16LUNGE2	15787	0.12	0.33	0.0	1.0

S1LUNGE2	9900	0.07	0.26	0.0	1.0
S2LUNGE2	13090	0.09	0.29	0.0	1.0
S3LUNGE2	11917	0.10	0.29	0.0	1.0
S4LUNGE2	13980	0.09	0.29	0.0	1.0
S5LUNGE2	12730	0.10	0.30	0.0	1.0
S6LUNGE2	11639	0.10	0.30	0.0	1.0
S7LUNGE2	12972	0.10	0.29	0.0	1.0
S8LUNGE2	11735	0.10	0.31	0.0	1.0
S9LUNGE2	10646	0.11	0.32	0.0	1.0
S10LUNGE2	13513	0.10	0.30	0.0	1.0
S11LUNGE2	12484	0.10	0.31	0.0	1.0
S12LUNGE2	11012	0.10	0.31	0.0	1.0
S13LUNGE2	11779	0.10	0.30	0.0	1.0
S14LUNGE2	9358	0.10	0.30	0.0	1.0
S15LUNGE2	8477	0.10	0.30	0.0	1.0
S16LUNGE2	7840	0.09	0.29	0.0	1.0
R1HEARTE2	12652	0.04	0.20	0.0	1.0
R2HEARTE2	19642	0.16	0.36	0.0	1.0
R3HEARTE2	17991	0.22	0.42	0.0	1.0
R4HEARTE2	21384	0.23	0.42	0.0	1.0
R5HEARTE2	19578	0.24	0.43	0.0	1.0
R6HEARTE2	18165	0.26	0.44	0.0	1.0
R7HEARTE2	20129	0.25	0.43	0.0	1.0
R8HEARTE2	18469	0.27	0.45	0.0	1.0
R9HEARTE2	17217	0.28	0.45	0.0	1.0
R10HEARTE2	22034	0.24	0.43	0.0	1.0
R11HEARTE2	20554	0.26	0.44	0.0	1.0
R12HEARTE2	18747	0.27	0.44	0.0	1.0
R13HEARTE2	20912	0.25	0.43	0.0	1.0
R14HEARTE2	17146	0.26	0.44	0.0	1.0
R15HEARTE2	15723	0.27	0.44	0.0	1.0
R16HEARTE2	15787	0.27	0.44	0.0	1.0
S1HEARTE2	9900	0.04	0.20	0.0	1.0
S2HEARTE2	13090	0.13	0.34	0.0	1.0
S3HEARTE2	11917	0.21	0.40	0.0	1.0
S4HEARTE2	13980	0.21	0.41	0.0	1.0
S5HEARTE2	12730	0.22	0.42	0.0	1.0
S6HEARTE2	11639	0.24	0.43	0.0	1.0
S7HEARTE2	12972	0.23	0.42	0.0	1.0
S8HEARTE2	11735	0.25	0.43	0.0	1.0
S9HEARTE2	10646	0.26	0.44	0.0	1.0
S10HEARTE2	13513	0.23	0.42	0.0	1.0
S11HEARTE2	12484	0.24	0.43	0.0	1.0
S12HEARTE2	11012	0.25	0.43	0.0	1.0
S13HEARTE2	11779	0.23	0.42	0.0	1.0
S14HEARTE2	9358	0.24	0.43	0.0	1.0
S15HEARTE2	8477	0.25	0.43	0.0	1.0
S16HEARTE2	7840	0.25	0.43	0.0	1.0
R1STROKE2	12652	0.03	0.17	0.0	1.0
R2STROKE2	19642	0.06	0.23	0.0	1.0
R3STROKE2	17991	0.07	0.25	0.0	1.0
R4STROKE2	21384	0.07	0.25	0.0	1.0
R5STROKE2	19578	0.08	0.27	0.0	1.0
R6STROKE2	18165	0.08	0.27	0.0	1.0
R7STROKE2	20129	0.08	0.27	0.0	1.0
R8STROKE2	18469	0.08	0.28	0.0	1.0

R9STROKE2	17217	0.09	0.28	0.0	1.0
R10STROKE2	22034	0.08	0.27	0.0	1.0
R11STROKE2	20554	0.09	0.28	0.0	1.0
R12STROKE2	18747	0.09	0.28	0.0	1.0
R13STROKE2	20912	0.08	0.27	0.0	1.0
R14STROKE2	17146	0.09	0.28	0.0	1.0
R15STROKE2	15723	0.09	0.28	0.0	1.0
R16STROKE2	15787	0.09	0.29	0.0	1.0
S1STROKE2	9900	0.03	0.17	0.0	1.0
S2STROKE2	13090	0.05	0.21	0.0	1.0
S3STROKE2	11917	0.06	0.23	0.0	1.0
S4STROKE2	13980	0.06	0.23	0.0	1.0
S5STROKE2	12730	0.06	0.24	0.0	1.0
S6STROKE2	11639	0.07	0.25	0.0	1.0
S7STROKE2	12972	0.06	0.24	0.0	1.0
S8STROKE2	11735	0.07	0.25	0.0	1.0
S9STROKE2	10646	0.07	0.26	0.0	1.0
S10STROKE2	13513	0.06	0.25	0.0	1.0
S11STROKE2	12484	0.07	0.25	0.0	1.0
S12STROKE2	11012	0.07	0.26	0.0	1.0
S13STROKE2	11779	0.07	0.25	0.0	1.0
S14STROKE2	9358	0.07	0.26	0.0	1.0
S15STROKE2	8477	0.07	0.26	0.0	1.0
S16STROKE2	7840	0.08	0.27	0.0	1.0
R1PSYCHE2	12652	0.11	0.31	0.0	1.0
R2PSYCHE2	19642	0.12	0.32	0.0	1.0
R3PSYCHE2	17991	0.14	0.35	0.0	1.0
R4PSYCHE2	21384	0.15	0.36	0.0	1.0
R5PSYCHE2	19578	0.17	0.37	0.0	1.0
R6PSYCHE2	18165	0.19	0.39	0.0	1.0
R7PSYCHE2	20129	0.19	0.39	0.0	1.0
R8PSYCHE2	18469	0.21	0.41	0.0	1.0
R9PSYCHE2	17217	0.22	0.42	0.0	1.0
R10PSYCHE2	22034	0.21	0.41	0.0	1.0
R11PSYCHE2	20554	0.23	0.42	0.0	1.0
R12PSYCHE2	18747	0.24	0.43	0.0	1.0
R13PSYCHE2	20912	0.24	0.43	0.0	1.0
R14PSYCHE2	17146	0.25	0.43	0.0	1.0
R15PSYCHE2	15723	0.26	0.44	0.0	1.0
R16PSYCHE2	15787	0.26	0.44	0.0	1.0
S1PSYCHE2	9900	0.09	0.29	0.0	1.0
S2PSYCHE2	13090	0.11	0.31	0.0	1.0
S3PSYCHE2	11917	0.13	0.33	0.0	1.0
S4PSYCHE2	13980	0.13	0.34	0.0	1.0
S5PSYCHE2	12730	0.15	0.35	0.0	1.0
S6PSYCHE2	11639	0.16	0.37	0.0	1.0
S7PSYCHE2	12972	0.16	0.37	0.0	1.0
S8PSYCHE2	11735	0.18	0.38	0.0	1.0
S9PSYCHE2	10646	0.19	0.39	0.0	1.0
S10PSYCHE2	13513	0.18	0.38	0.0	1.0
S11PSYCHE2	12484	0.19	0.39	0.0	1.0
S12PSYCHE2	11012	0.20	0.40	0.0	1.0
S13PSYCHE2	11779	0.20	0.40	0.0	1.0
S14PSYCHE2	9358	0.21	0.41	0.0	1.0
S15PSYCHE2	8477	0.21	0.41	0.0	1.0
S16PSYCHE2	7840	0.21	0.41	0.0	1.0

R1ARTHRE2	12652	0.37	0.48	0.0	1.0
R2ARTHRE2	19642	0.36	0.48	0.0	1.0
R3ARTHRE2	17991	0.51	0.50	0.0	1.0
R4ARTHRE2	21384	0.53	0.50	0.0	1.0
R5ARTHRE2	19578	0.58	0.49	0.0	1.0
R6ARTHRE2	18165	0.62	0.48	0.0	1.0
R7ARTHRE2	20129	0.60	0.49	0.0	1.0
R8ARTHRE2	18469	0.63	0.48	0.0	1.0
R9ARTHRE2	17217	0.66	0.47	0.0	1.0
R10ARTHRE2	22034	0.58	0.49	0.0	1.0
R11ARTHRE2	20554	0.61	0.49	0.0	1.0
R12ARTHRE2	18747	0.63	0.48	0.0	1.0
R13ARTHRE2	20912	0.58	0.49	0.0	1.0
R14ARTHRE2	17146	0.61	0.49	0.0	1.0
R15ARTHRE2	15723	0.63	0.48	0.0	1.0
R16ARTHRE2	15787	0.61	0.49	0.0	1.0
S1ARTHRE2	9900	0.35	0.48	0.0	1.0
S2ARTHRE2	13090	0.36	0.48	0.0	1.0
S3ARTHRE2	11917	0.48	0.50	0.0	1.0
S4ARTHRE2	13980	0.50	0.50	0.0	1.0
S5ARTHRE2	12730	0.55	0.50	0.0	1.0
S6ARTHRE2	11639	0.59	0.49	0.0	1.0
S7ARTHRE2	12972	0.56	0.50	0.0	1.0
S8ARTHRE2	11735	0.59	0.49	0.0	1.0
S9ARTHRE2	10646	0.62	0.48	0.0	1.0
S10ARTHRE2	13513	0.54	0.50	0.0	1.0
S11ARTHRE2	12484	0.56	0.50	0.0	1.0
S12ARTHRE2	11012	0.58	0.49	0.0	1.0
S13ARTHRE2	11779	0.53	0.50	0.0	1.0
S14ARTHRE2	9358	0.57	0.50	0.0	1.0
S15ARTHRE2	8477	0.58	0.49	0.0	1.0
S16ARTHRE2	7840	0.57	0.50	0.0	1.0

Categorical Variable Codes

RwHIBPE2: R ever had high blood pressure-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No-never had cond	7833	10962	9505	11121	9505	8023	9001	7444	6351	8764
1.Yes-has/had cond	4819	8680	8486	10263	10073	10142	11128	11025	10866	13270

Value	w11	w12	w13	w14	w15	w16
0.No-never had cond	7606	6566	7940	6123	5413	5406
1.Yes-has/had cond	12948	12181	12972	11023	10310	10381

SwHIBPE2: S ever had high blood pressure-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No-never had cond	6295	7614	6630	7662	6552	5483	6247	5166	4322	5879
1.Yes-has/had cond	3605	5476	5287	6318	6178	6156	6725	6569	6324	7634

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No-never had cond	5079	4319	4914	3692	3241	2953
1.Yes-has/had cond	7405	6693	6865	5666	5236	4887

RwDIABE2: R ever had diabetes-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No-never had cond	11270	17145	15462	18278	16458	14850	16395	14603	13299	16987
1.Yes-has/had cond	1382	2497	2529	3106	3120	3315	3734	3866	3918	5047

Value	w11	w12	w13	w14	w15	w16
0.No-never had cond	15481	13815	15270	12132	10945	10647
1.Yes-has/had cond	5073	4932	5642	5014	4778	5140

SwDIABE2: S ever had diabetes-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No-never had cond	8883	11525	10336	12062	10789	9590	10673	9408	8316	10509
1.Yes-has/had cond	1017	1565	1581	1918	1941	2049	2299	2327	2330	3004

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No-never had cond	9535	8229	8729	6726	5998	5405
1.Yes-has/had cond	2949	2783	3050	2632	2479	2435

RwCANCRE2: R ever had cancer-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No-never had cond	11961	17848	16095	19018	17156	15607	17362	15659	14372	18857
1.Yes-has/had cond	691	1794	1896	2366	2422	2558	2767	2810	2845	3177

Value	w11	w12	w13	w14	w15	w16
0.No-never had cond	17361	15684	17809	14419	13090	13162
1.Yes-has/had cond	3193	3063	3103	2727	2633	2625

SwCANCRE2: S ever had cancer-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No-never had cond	9375	11991	10747	12515	11258	10094	11302	10072	8979	11632
1.Yes-has/had cond	525	1099	1170	1465	1472	1545	1670	1663	1667	1881

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No-never had cond	10653	9314	10113	7888	7096	6528
1.Yes-has/had cond	1831	1698	1666	1470	1381	1312

RwLUNGE2: R ever had lung disease-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No-never had cond	11649	17727	16141	19249	17469	16071	17869	16239	14944	19479
1.Yes-has/had cond	1003	1915	1850	2135	2109	2094	2260	2230	2273	2555

Value	w11	w12	w13	w14	w15	w16
0.No-never had cond	18025	16366	18402	14961	13717	13869
1.Yes-has/had cond	2529	2381	2510	2185	2006	1918

SwLUNGE2: S ever had lung disease-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No-never had cond	9168	11897	10777	12730	11499	10477	11728	10511	9436	12174
1.Yes-has/had cond	732	1193	1140	1250	1231	1162	1244	1224	1210	1339

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No-never had cond	11188	9863	10635	8401	7616	7099
1.Yes-has/had cond	1296	1149	1144	957	861	741

RwHEARTE2: R ever had heart problems-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No-never had cond	12096	16589	13952	16549	14817	13401	15074	13445	12314	16648
1.Yes-has/had cond	556	3053	4039	4835	4761	4764	5055	5024	4903	5386

Value	w11	w12	w13	w14	w15	w16
0.No-never had cond	15206	13649	15765	12671	11546	11577
1.Yes-has/had cond	5348	5098	5147	4475	4177	4210

SwHEARTE2: S ever had heart problems-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No-never had cond	9503	11399	9471	11081	9912	8855	10021	8826	7839	10432
1.Yes-has/had cond	397	1691	2446	2899	2818	2784	2951	2909	2807	3081

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No-never had cond	9468	8246	9114	7099	6371	5867
1.Yes-has/had cond	3016	2766	2665	2259	2106	1973

RwSTROKE2: R ever had stroke-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No-never had cond	12274	18520	16775	19890	18089	16689	18596	16945	15699	20294
1.Yes-has/had cond	378	1122	1216	1494	1489	1476	1533	1524	1518	1740

Value	w11	w12	w13	w14	w15	w16
0.No-never had cond	18790	17092	19193	15655	14359	14338
1.Yes-has/had cond	1764	1655	1719	1491	1364	1449

SwSTROKE2: S ever had stroke-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No-never had cond	9612	12457	11233	13187	11943	10882	12173	10926	9874	12644
1.Yes-has/had cond	288	633	684	793	787	757	799	809	772	869

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No-never had cond	11629	10224	10977	8687	7872	7243
1.Yes-has/had cond	855	788	802	671	605	597

RwPSYCHE2: R ever had psych problems-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No-never had cond	11314	17358	15437	18169	16299	14793	16269	14542	13359	17318
1.Yes-has/had cond	1338	2284	2554	3215	3279	3372	3860	3927	3858	4716

Value	w11	w12	w13	w14	w15	w16
0.No-never had cond	15852	14258	15906	12825	11680	11674
1.Yes-has/had cond	4702	4489	5006	4321	4043	4113

SwPSYCHE2: S ever had psych problems-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No-never had cond	9006	11692	10390	12161	10881	9786	10894	9639	8644	11084
1.Yes-has/had cond	894	1398	1527	1819	1849	1853	2078	2096	2002	2429

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No-never had cond	10096	8807	9473	7420	6687	6181
1.Yes-has/had cond	2388	2205	2306	1938	1790	1659

RwARTHRE2: R ever had arthritis-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No-never had cond	7958	12515	8813	9948	8162	6837	8094	6765	5838	9357
1.Yes-has/had cond	4694	7127	9178	11436	11416	11328	12035	11704	11379	12677

Value	w11	w12	w13	w14	w15	w16
0.No-never had cond	8110	6990	8883	6653	5883	6223
1.Yes-has/had cond	12444	11757	12029	10493	9840	9564

SwARTHRE2: S ever had arthritis-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No-never had cond	6390	8436	6191	7014	5790	4767	5713	4764	4027	6263
1.Yes-has/had cond	3510	4654	5726	6966	6940	6872	7259	6971	6619	7250

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No-never had cond	5446	4623	5508	4045	3570	3404
1.Yes-has/had cond	7038	6389	6271	5313	4907	4436

How Constructed

RwHIBPE2, RwDIABE2, RwCANCRE2, RwLUNGE2, RwHEARTE2, RwSTROKE2, RwPSYCHE2, and RwARTHRE2 are dummy variables that indicate a Respondent reports that a doctor has ever told them that they have the specified condition. The conditions are 1) high blood pressure or hypertension; 2) diabetes or high blood sugar; 3) cancer or a malignant tumor of any kind except skin cancer; 4) chronic lung disease except asthma such as chronic bronchitis or emphysema; 5) heart attack, coronary heart disease, angina, congestive heart failure, or other heart problems; 6) stroke or transient ischemic attack (TIA); 7) emotional, nervous, or psychiatric problems; and 8) arthritis or rheumatism.

These sets of "ever had" variables are initially set to "0.No" and are turned on when a Respondent reports "yes" for the first time. Once a Respondent has two consecutive "yes" reports, they will be coded "1.Yes" for all waves going forward and coded "0.No" for all waves prior to the first of the two consecutive "yes" reports.

Missing value answers such as "don't know" and "refused" are ignored in the counting. That is, if a Respondent reports "yes" in Wave 1, "Don't know" in Wave 2, does not participate in Wave 3, and answers "yes" for the second time in Wave 4, then all waves the Respondent participates in will be coded as "1.Yes."

If a Respondent disputes a prior wave after having given two consecutive "yes" reports, their later wave values may conflict with prior waves. Similarly, if a Respondent enters the survey in Wave 4 and reports "yes," then disputes in Wave 5, followed by two "yeses" in Waves 6 and 7, then Waves 4 and 5 would both be assigned "0.No" even though the Respondent initially reported "yes" in Wave 4. For Waves 6 and 7, because there are two consecutive "yeses," the Respondent will be assigned "1.Yes" from Wave 6 forward.

SwHIBPE2, SwDIABE2, SwCANCRE2, SwLUNGE2, SwHEARTE2, SwSTROKE2, and SwARTHRE2 give this information for the Respondent's spouse or partner.

Cross Wave Differences in Original HRS Data

A series of questions asks the Respondent if a doctor has ever diagnosed them with certain medical conditions. At a Respondent's first interview, Waves 1 and 2A, the question asks: "Has a doctor ever told you that you have ..."

From Wave 6 forward, if the person answering the questions is new, the question is asked as though it were the first interview, regardless of what had been reported at prior interviews. Thus, if the prior interview was given by the Respondent and the current is by proxy (or vice versa), or if both interviews are by proxy but conducted with different people, then this is treated like a first interview and the "ever" question wording is used.

At subsequent interviews, the question wording depends on whether the appropriate preloaded variable indicates that the Respondent has said "yes" to the condition at a prior interview. If not, the question wording is: "Since we last talked to you, that is since [last interview date], has a doctor told you that you have ..."

From Wave 14 forward if it is a reinterview of the same reporter as the previous wave and if the Respondent/reporter reported having had the condition, then a value of "1. Yes" is assigned to the "...has a doctor told you that you have the condition" and the Respondent is skipped to the subsequent question.

There is variation across the waves on whether and which question Respondents are asked if they had previously reported a condition at a prior interview. In Wave 2H, if the preloaded variable indicates that the Respondent reported the condition in Wave 1, no question is asked for most conditions. For heart problems, the above question is asked regardless of the preloaded variable value; if the preloaded variable indicates a Wave 1 heart problem, it is prefaced by a statement that a heart condition has already been reported.

From Wave 3 forward, if the preloaded variable indicates that the Respondent reported a condition at a prior interview, a statement is read: "Our records from your last interview show that you have had ..." No explicit question is asked. If the Respondent disputes the statement voluntarily, this is recorded, but no follow-up on the current diagnosis of the condition is asked in Waves 3 and 4.

From Waves 5 through 13, if the Respondent disputes the statement, the interviewer is instructed to probe as to whether or not the Respondent has since been diagnosed with the condition. The dispute is recorded as "disputes previous wave record but now has the condition" or "disputes and does not have the condition." Most disputes are of the latter type. If the Respondent does not dispute the statement, the variable that indicates the diagnosis of the condition is set to "yes." From Wave 14 forward if it is a reinterview of the same reporter as the previous wave and if the Respondent/reporter reported having had the condition, then a value of "1. Yes" is assigned to the "...has a doctor told you that you have the condition," and the Respondent is skipped to the subsequent question. However, in the subsequent question, the Respondent can dispute having previously had the condition. In these cases, the interviewer overwrites the "Has a doctor told you that you have " with either a value of "4.Never had <condition>" or "6.Had <condition> but do not have it now."

In Wave 4, an alternate variable is provided for the heart condition question (F1156A). A skip pattern problem in this wave causes some cases who had previously reported a heart condition to be asked if they had been told they had one since last interview, and some respond "No." These cases are identified in F1156A.

In Wave 2A and from Wave 3 forward, a code for "possible stroke or transient ischemic attack (TIA)" is added if the Respondent volunteered this information in answer to the question about strokes. This code is not available in Waves 1 and 2H. TIA is treated the same as a "yes" answer in deriving RwSTROKED.

The definition of "doctor" in Wave 6 was: "Medical doctors include specialists such as, Dermatologists, Psychiatrists, Ophthalmologists, as well as general practitioners, and Osteopaths. It does not include Chiropractors, Dentists, or Nurses/Nurse Practitioners." In Wave 7, this was expanded as follows: "Medical doctors include specialists such as Dermatologists, Psychiatrists, Ophthalmologists, Osteopaths, Cardiologists, as well as family doctors, internists and physicians' assistants."From Wave 10 forward, the definition was further expanded to say: "Medical doctors include specialists such as Dermatologists, Psychiatrists, Ophthalmologists, Osteopaths, Cardiologists, as well as family doctors, internists and physicians' assistants. Also include diagnoses made by Nurses and Nurse Practitioners."

HRS Variables Used

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HRS 1992:
    V325            B6:EVER HI BLD PRESS:IMP
    V328            B7:EVER DIAB/HI BLD :IMP
    V337            B9: CANCER/MALIGN TU:IMP
    V401            B15:CHRONIC LUNG DIS:IMP
    V406            B16:EVER HEART PROBL:IMP
    V417            B22:EVER HAD STROKE :IMP
    V422            B23:EMOT/NERV/PSYCH :IMP
    V426            B25:ARTHRITIS/RHEUMA:IMP
AHEAD 1993:
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    B215            B3. HIGH BLOOD PRESSURE EVER
    B219            B4. DIABETES: NOW
    B225            B5. CANCER EVER
    B235            B6. LUNG DISEASE: EVER
    B242            B7. HEART CONDITION: EVER
    B252            B8. STROKE: EVER
    B259            B9. PSYCHIATRIC PROBLEMS: EVER
    B265            B10. ARTHRITIS: PAST 12 MONTHS
HRS 1994:
    W328            B6a.HIGH BLOOD PRESSURE
    W331            B7.DIABETES/HIGH BLOOD S
    W339            B9.CANCER/MALIGNANT TUMO
    W362            B14.CHRONIC LUNG DISEASE
    W367            B15.HEART PROBLEMS EVER
    W368            B15.HEART CONDITIONS
    W379            B21.STROKE
    W384            B23.EMOTIONAL/NERVOUS/PS
    W387            B24.ARTHRITIS/RHEUMATISM
AHEAD 1995:
    D781            B3.  HIGH BLOOD PRESSURE
    D788            B4. DIABETES
    D801            B5.CANCER
    D818            B6. LUNG
    D828            B7. HEART CONDITION
    D848            B9. STROKE
    D861            B10. PSYCHIATRIC
    D866            B11. ARTHRITIS
HRS 1996:
    E781            B3.  HIGH BLOOD PRESSURE
    E788            B4. DIABETES
    E801            B5.CANCER
    E818            B6. LUNG
    E828            B7. HEART CONDITION
    E848            B9. STROKE
    E861            B10. PSYCHIATRIC
    E866            B11. ARTHRITIS
HRS 1998:
    F1109           B3.  HIGH BLOOD PRESSURE
    F1116           B4. DIABETES
    F1129           B5.CANCER
    F1146           B6. LUNG
    F1156           B7. HEART CONDITION
    F1176           B9. STROKE
    F1189           B10. PSYCHIATRIC
    F1194           B11. ARTHRITIS
HRS 2000:
    G1238           B3.HIGH BLOOD PRESSURE
    G1245           B4. DIABETES
    G1262           B5.CANCER
    G1279           B6. LUNG
    G1289           B7. HEART CONDITION
    G1309           B9. STROKE
    G1322           B10. PSYCHIATRIC
    G1327           B11. ARTHRITIS
HRS 2002-2022:
    xC005           HIGH BLOOD PRESSURE
    xC010           DIABETES
    xC018           CANCER OF ANY KIND EXCLUDING SKIN
    xC030           LUNG DISEASE
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    xC036           HEART CONDITION
    xC053           STROKE
    xC065           EMOTIONAL/PSYCHIATRIC PROBLEMS
    xC070           ARTHRITIS
HRS 2016-2022:
    xC291           TOLD BY HEALTH PROFESSIONAL HAVE SLEEP DISORDER
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Doctor diagnosed health problems: Ever Memory-related Disease (Two Consecutive Reports)

Wave	Variable	Label	Type
4	R4MEMRYE2	R4MEMRYE2:W4 R ever had memory problem-2 Consecutive Reports	Categ
5	R5MEMRYE2	R5MEMRYE2:W5 R ever had memory problem-2 Consecutive Reports	Categ
6	R6MEMRYE2	R6MEMRYE2:W6 R ever had memory problem-2 Consecutive Reports	Categ
7	R7MEMRYE2	R7MEMRYE2:W7 R ever had memory problem-2 Consecutive Reports	Categ
8	R8MEMRYE2	R8MEMRYE2:W8 R ever had memory problem-2 Consecutive Reports	Categ
9	R9MEMRYE2	R9MEMRYE2:W9 R ever had memory problem-2 Consecutive Reports	Categ
4	S4MEMRYE2	S4MEMRYE2:W4 S ever had memory problem-2 Consecutive Reports	Categ
5	S5MEMRYE2	S5MEMRYE2:W5 S ever had memory problem-2 Consecutive Reports	Categ
6	S6MEMRYE2	S6MEMRYE2:W6 S ever had memory problem-2 Consecutive Reports	Categ
7	S7MEMRYE2	S7MEMRYE2:W7 S ever had memory problem-2 Consecutive Reports	Categ
8	S8MEMRYE2	S8MEMRYE2:W8 S ever had memory problem-2 Consecutive Reports	Categ
9	S9MEMRYE2	S9MEMRYE2:W9 S ever had memory problem-2 Consecutive Reports	Categ
10	R10ALZHEE2	R10ALZHEE2:W10 R ever reported Alzheimer-2 Consecutive Reports	Categ
11	R11ALZHEE2	R11ALZHEE2:W11 R ever reported Alzheimer-2 Consecutive Reports	Categ
12	R12ALZHEE2	R12ALZHEE2:W12 R ever reported Alzheimer-2 Consecutive Reports	Categ
13	R13ALZHEE2	R13ALZHEE2:W13 R ever reported Alzheimer-2 Consecutive Reports	Categ
14	R14ALZHEE2	R14ALZHEE2:W14 R ever reported Alzheimer-2 Consecutive Reports	Categ
15	R15ALZHEE2	R15ALZHEE2:W15 R ever reported Alzheimer-2 Consecutive Reports	Categ
16	R16ALZHEE2	R16ALZHEE2:W16 R ever reported Alzheimer-2 Consecutive Reports	Categ
10	S10ALZHEE2	S10ALZHEE2:W10 S ever reported Alzheimer-2 Consecutive Reports	Categ
11	S11ALZHEE2	S11ALZHEE2:W11 S ever reported Alzheimer-2 Consecutive Reports	Categ
12	S12ALZHEE2	S12ALZHEE2:W12 S ever reported Alzheimer-2 Consecutive Reports	Categ
13	S13ALZHEE2	S13ALZHEE2:W13 S ever reported Alzheimer-2 Consecutive Reports	Categ
14	S14ALZHEE2	S14ALZHEE2:W14 S ever reported Alzheimer-2 Consecutive Reports	Categ
15	S15ALZHEE2	S15ALZHEE2:W15 S ever reported Alzheimer-2 Consecutive Reports	Categ
16	S16ALZHEE2	S16ALZHEE2:W16 S ever reported Alzheimer-2 Consecutive Reports	Categ
10	R10DEMENE2	R10DEMENE2:W10 R ever reported dementia-2 Consecutive Reports	Categ
11	R11DEMENE2	R11DEMENE2:W11 R ever reported dementia-2 Consecutive Reports	Categ
12	R12DEMENE2	R12DEMENE2:W12 R ever reported dementia-2 Consecutive Reports	Categ
13	R13DEMENE2	R13DEMENE2:W13 R ever reported dementia-2 Consecutive Reports	Categ
14	R14DEMENE2	R14DEMENE2:W14 R ever reported dementia-2 Consecutive Reports	Categ
15	R15DEMENE2	R15DEMENE2:W15 R ever reported dementia-2 Consecutive Reports	Categ
16	R16DEMENE2	R16DEMENE2:W16 R ever reported dementia-2 Consecutive Reports	Categ
10	S10DEMENE2	S10DEMENE2:W10 S ever reported dementia-2 Consecutive Reports	Categ
11	S11DEMENE2	S11DEMENE2:W11 S ever reported dementia-2 Consecutive Reports	Categ
12	S12DEMENE2	S12DEMENE2:W12 S ever reported dementia-2 Consecutive Reports	Categ
13	S13DEMENE2	S13DEMENE2:W13 S ever reported dementia-2 Consecutive Reports	Categ
14	S14DEMENE2	S14DEMENE2:W14 S ever reported dementia-2 Consecutive Reports	Categ
15	S15DEMENE2	S15DEMENE2:W15 S ever reported dementia-2 Consecutive Reports	Categ
16	S16DEMENE2	S16DEMENE2:W16 S ever reported dementia-2 Consecutive Reports	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R4MEMRYE2	21384	0.03	0.16	0.0	1.0
R5MEMRYE2	19578	0.03	0.18	0.0	1.0
R6MEMRYE2	18165	0.04	0.20	0.0	1.0
R7MEMRYE2	20129	0.05	0.21	0.0	1.0
R8MEMRYE2	18469	0.05	0.23	0.0	1.0
R9MEMRYE2	17217	0.06	0.24	0.0	1.0
S4MEMRYE2	13980	0.02	0.14	0.0	1.0
S5MEMRYE2	12730	0.03	0.16	0.0	1.0
S6MEMRYE2	11639	0.03	0.17	0.0	1.0

S7MEMRYE2	12972	0.03	0.18	0.0	1.0
S8MEMRYE2	11735	0.04	0.19	0.0	1.0
S9MEMRYE2	10646	0.05	0.21	0.0	1.0
R10ALZHEE2	22034	0.01	0.12	0.0	1.0
R11ALZHEE2	20554	0.02	0.13	0.0	1.0
R12ALZHEE2	18747	0.02	0.13	0.0	1.0
R13ALZHEE2	20912	0.02	0.12	0.0	1.0
R14ALZHEE2	17146	0.02	0.12	0.0	1.0
R15ALZHEE2	15723	0.01	0.12	0.0	1.0
R16ALZHEE2	15787	0.01	0.12	0.0	1.0
S10ALZHEE2	13513	0.01	0.09	0.0	1.0
S11ALZHEE2	12484	0.01	0.10	0.0	1.0
S12ALZHEE2	11012	0.01	0.10	0.0	1.0
S13ALZHEE2	11779	0.01	0.09	0.0	1.0
S14ALZHEE2	9358	0.01	0.10	0.0	1.0
S15ALZHEE2	8477	0.01	0.10	0.0	1.0
S16ALZHEE2	7840	0.01	0.09	0.0	1.0
R10DEMENE2	22034	0.02	0.13	0.0	1.0
R11DEMENE2	20554	0.02	0.15	0.0	1.0
R12DEMENE2	18747	0.03	0.17	0.0	1.0
R13DEMENE2	20912	0.03	0.17	0.0	1.0
R14DEMENE2	17146	0.03	0.18	0.0	1.0
R15DEMENE2	15723	0.03	0.18	0.0	1.0
R16DEMENE2	15787	0.03	0.18	0.0	1.0
S10DEMENE2	13513	0.01	0.11	0.0	1.0
S11DEMENE2	12484	0.02	0.13	0.0	1.0
S12DEMENE2	11012	0.02	0.14	0.0	1.0
S13DEMENE2	11779	0.02	0.14	0.0	1.0
S14DEMENE2	9358	0.02	0.16	0.0	1.0
S15DEMENE2	8477	0.02	0.15	0.0	1.0
S16DEMENE2	7840	0.02	0.15	0.0	1.0

Categorical Variable Codes

RwMEMRYE2: R ever had memory problem-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No-never had cond				20849	18893	17399	19187	17476	16145	
1.Yes-has/had cond				535	685	766	942	993	1072	

Value	w11	w12	w13	w14	w15	w16
0.No-never had cond						
1.Yes-has/had cond						

SwMEMRYE2: S ever had memory problem-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried				6868	6537	6306	6777	6417	6206	
.V=Spouse NR				536	311	220	380	317	365	
0.No-never had cond				13720	12405	11306	12561	11284	10166	
1.Yes-has/had cond				260	325	333	411	451	480	

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried						
.V=Spouse NR						
0.No-never had cond						
1.Yes-has/had cond						

RwALZHEE2: R ever reported Alzheimer-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No-never had cond										21709
1.Yes-has/had cond										325

Value	w11	w12	w13	w14	w15	w16
0.No-never had cond	20207	18406	20583	16887	15504	15567
1.Yes-has/had cond	347	341	329	259	219	220

SwALZHEE2: S ever reported Alzheimer-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried										7797
.V=Spouse NR										724
0.No-never had cond										13396
1.Yes-has/had cond										117

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No-never had cond	12361	10897	11676	9265	8395	7769
1.Yes-has/had cond	123	115	103	93	82	71

RwDEMENE2: R ever reported dementia-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No-never had cond										21668
1.Yes-has/had cond										366

Value	w11	w12	w13	w14	w15	w16
0.No-never had cond	20067	18212	20318	16597	15219	15269
1.Yes-has/had cond	487	535	594	549	504	518

SwDEMENE2: S ever reported dementia-2 Consecutive Reports

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried										7797
.V=Spouse NR										724
0.No-never had cond										13356
1.Yes-has/had cond										157

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No-never had cond	12281	10801	11547	9127	8278	7651
1.Yes-has/had cond	203	211	232	231	199	189

How Constructed

RwMEMRYE2, RwALZHEE2, and RwDEMENE2 are dummy variables that indicate a Respondent reports that a doctor has ever told them that they have the specified condition.

These sets of "ever had" variables are initially set to "0.No" and are turned on when a Respondent reports "yes" for the first time. Once a Respondent has two consecutive "yes" reports, they will be coded "1.Yes" for all waves going forward and coded "0.No" for all waves prior to the first of the two consecutive "yes" reports.

Missing value answers such as "don't know" and "refused" are ignored in the counting. That is, if a Respondent reports "yes" in Wave 10, "Don't know" in Wave 11, does not participate in Wave 12, and answers "yes" for the second time in Wave 13, then all waves the Respondent participates in will be coded as "1.Yes" starting in Wave 10.

If a Respondent disputes a prior wave after having given two consecutive "yes" reports, their later wave values may conflict with prior waves. Similarly, if a Respondent reports "yes" in Wave 10, then disputes in Wave 11, followed by two "yeses" in Waves 12 and 13, then Waves 10 and 11 would both be assigned "0.No" even though Respondent initially reported "yes" in Wave 10. For Waves 12 and 13, because there are two consecutive "yeses," the Respondent will be assigned "1.Yes" from Wave 12 forward.

SwMEMRYE2, SwALZHEE2, and SwDEMENE2 give this information for the Respondent's spouse or partner.

Cross Wave Differences in Original HRS Data

Respondents are first asked about memory-related disease in Wave 4. At a Respondent's first interview at or after Wave 4, the question asks:

"Has a doctor ever told you that you have a memory-related disease?"

From Wave 6 forward, if the person answering the questions is new, the question is asked as though it were the first interview, regardless of what had been reported at prior interviews. Thus if the prior interview was given by the Respondent and the current is by proxy, or vice versa, or if both interviews are by proxy but conducted with different people, then this is treated like a first interview and the ever question wording is used.

Until Wave 9, the question is not asked if the appropriate preloaded variable indicates that the Respondent has said yes to this condition at a prior interview. If the preload indicates that the Respondent has not yet reported a memory-related disease then the question wording is:

"Since we last talked to you, that is since [last interview date], has a doctor told you that you have a memory-related disease?"

The definition of "doctor" in Wave 6 was: Medical doctors include specialists such as, Dermatologists, Psychiatrists, Ophthalmologists, as well as general practitioners, and Osteopaths. Do not include Chiropractors, Dentists, or Nurses/Nurse Practitioners.

In Wave 7 this was expanded as follows: Medical doctors include specialists such as Dermatologists, Psychiatrists, Ophthalmologists, Osteopaths, Cardiologists, as well as family doctors, internists and physicians' assistants. Do not include Chiropractors, Dentists, or Nurses/Nurse Practitioners.

In Wave 9, all Respondents were asked this question and were given the opportunity to dispute answers given in previous waves.

In Wave 10, the health questionnaire changed. Respondents are now asked if they have ever been told they have Alzheimer's disease or dementia rather than memory-related disease as in previous waves.

HRS Variables Used

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HRS 1998:
    F1193           B10D. MEMORY-RELATED DISEASE
HRS 2000:
    G1326           B10D. MEMORY-RELATED DISEASE
    G262            PR262.PREV WAVE MEMORY DISEASE
    G753            CS22Y30.PREVIOUS WAVE INTERV
HRS 2002-2008:
    xC069           MEMORY RELATED DISEASE
HRS 2002-2022:
    xA009           PROXY/SELF INTERVIEW
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    xA010           CURRENT - WAVE PROXY
    xZ076           R EVER INTERVIEWED
    xZ095           PREV WAVE IW SELF/PROXY
    xZ117           PREV WAVE R HAS MEMORY DISEASE
HRS 2010-2022:
    xC272           EVER HAD ALZHEIMERS
    xC273           EVER HAD DEMENTIA
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Change in Health: Conditions

Wave	Variable	Label	Type
2	R2HIBPS	R2HIBPS:W2 R had hi BP since last IW	Categ
3	R3HIBPS	R3HIBPS:W3 R had hi BP since last IW	Categ
4	R4HIBPS	R4HIBPS:W4 R had hi BP since last IW	Categ
5	R5HIBPS	R5HIBPS:W5 R had hi BP since last IW	Categ
6	R6HIBPS	R6HIBPS:W6 R had hi BP since last IW	Categ
7	R7HIBPS	R7HIBPS:W7 R had hi BP since last IW	Categ
8	R8HIBPS	R8HIBPS:W8 R had hi BP since last IW	Categ
9	R9HIBPS	R9HIBPS:W9 R had hi BP since last IW	Categ
10	R10HIBPS	R10HIBPS:W10 R had hi BP since last IW	Categ
11	R11HIBPS	R11HIBPS:W11 R had hi BP since last IW	Categ
12	R12HIBPS	R12HIBPS:W12 R had hi BP since last IW	Categ
13	R13HIBPS	R13HIBPS:W13 R had hi BP since last IW	Categ
14	R14HIBPS	R14HIBPS:W14 R had hi BP since last IW	Categ
15	R15HIBPS	R15HIBPS:W15 R had hi BP since last IW	Categ
16	R16HIBPS	R16HIBPS:W16 R had hi BP since last IW	Categ
2	S2HIBPS	S2HIBPS:W2 S had hi BP since last IW	Categ
3	S3HIBPS	S3HIBPS:W3 S had hi BP since last IW	Categ
4	S4HIBPS	S4HIBPS:W4 S had hi BP since last IW	Categ
5	S5HIBPS	S5HIBPS:W5 S had hi BP since last IW	Categ
6	S6HIBPS	S6HIBPS:W6 S had hi BP since last IW	Categ
7	S7HIBPS	S7HIBPS:W7 S had hi BP since last IW	Categ
8	S8HIBPS	S8HIBPS:W8 S had hi BP since last IW	Categ
9	S9HIBPS	S9HIBPS:W9 S had hi BP since last IW	Categ
10	S10HIBPS	S10HIBPS:W10 S had hi BP since last IW	Categ
11	S11HIBPS	S11HIBPS:W11 S had hi BP since last IW	Categ
12	S12HIBPS	S12HIBPS:W12 S had hi BP since last IW	Categ
13	S13HIBPS	S13HIBPS:W13 S had hi BP since last IW	Categ
14	S14HIBPS	S14HIBPS:W14 S had hi BP since last IW	Categ
15	S15HIBPS	S15HIBPS:W15 S had hi BP since last IW	Categ
16	S16HIBPS	S16HIBPS:W16 S had hi BP since last IW	Categ
2	R2DIABS	R2DIABS:W2 R had diabetes since last IW	Categ
3	R3DIABS	R3DIABS:W3 R had diabetes since last IW	Categ
4	R4DIABS	R4DIABS:W4 R had diabetes since last IW	Categ
5	R5DIABS	R5DIABS:W5 R had diabetes since last IW	Categ
6	R6DIABS	R6DIABS:W6 R had diabetes since last IW	Categ
7	R7DIABS	R7DIABS:W7 R had diabetes since last IW	Categ
8	R8DIABS	R8DIABS:W8 R had diabetes since last IW	Categ
9	R9DIABS	R9DIABS:W9 R had diabetes since last IW	Categ
10	R10DIABS	R10DIABS:W10 R had diabetes since last IW	Categ
11	R11DIABS	R11DIABS:W11 R had diabetes since last IW	Categ
12	R12DIABS	R12DIABS:W12 R had diabetes since last IW	Categ
13	R13DIABS	R13DIABS:W13 R had diabetes since last IW	Categ
14	R14DIABS	R14DIABS:W14 R had diabetes since last IW	Categ
15	R15DIABS	R15DIABS:W15 R had diabetes since last IW	Categ
16	R16DIABS	R16DIABS:W16 R had diabetes since last IW	Categ
2	S2DIABS	S2DIABS:W2 S had diabetes since last IW	Categ
3	S3DIABS	S3DIABS:W3 S had diabetes since last IW	Categ
4	S4DIABS	S4DIABS:W4 S had diabetes since last IW	Categ
5	S5DIABS	S5DIABS:W5 S had diabetes since last IW	Categ
6	S6DIABS	S6DIABS:W6 S had diabetes since last IW	Categ
7	S7DIABS	S7DIABS:W7 S had diabetes since last IW	Categ
8	S8DIABS	S8DIABS:W8 S had diabetes since last IW	Categ
9	S9DIABS	S9DIABS:W9 S had diabetes since last IW	Categ
10	S10DIABS	S10DIABS:W10 S had diabetes since last IW	Categ
11	S11DIABS	S11DIABS:W11 S had diabetes since last IW	Categ
12	S12DIABS	S12DIABS:W12 S had diabetes since last IW	Categ
13	S13DIABS	S13DIABS:W13 S had diabetes since last IW	Categ
14	S14DIABS	S14DIABS:W14 S had diabetes since last IW	Categ
15	S15DIABS	S15DIABS:W15 S had diabetes since last IW	Categ
16	S16DIABS	S16DIABS:W16 S had diabetes since last IW	Categ
2	R2CANCRS	R2CANCRS:W2 R had cancer since last IW	Categ
3	R3CANCRS	R3CANCRS:W3 R had cancer since last IW	Categ

4	R4CANCRS	R4CANCRS:W4 R had cancer since last IW	Categ
5	R5CANCRS	R5CANCRS:W5 R had cancer since last IW	Categ
6	R6CANCRS	R6CANCRS:W6 R had cancer since last IW	Categ
7	R7CANCRS	R7CANCRS:W7 R had cancer since last IW	Categ
8	R8CANCRS	R8CANCRS:W8 R had cancer since last IW	Categ
9	R9CANCRS	R9CANCRS:W9 R had cancer since last IW	Categ
10	R10CANCRS	R10CANCRS:W10 R had cancer since last IW	Categ
11	R11CANCRS	R11CANCRS:W11 R had cancer since last IW	Categ
12	R12CANCRS	R12CANCRS:W12 R had cancer since last IW	Categ
13	R13CANCRS	R13CANCRS:W13 R had cancer since last IW	Categ
14	R14CANCRS	R14CANCRS:W14 R had cancer since last IW	Categ
15	R15CANCRS	R15CANCRS:W15 R had cancer since last IW	Categ
16	R16CANCRS	R16CANCRS:W16 R had cancer since last IW	Categ
2	S2CANCRS	S2CANCRS:W2 S had cancer since last IW	Categ
3	S3CANCRS	S3CANCRS:W3 S had cancer since last IW	Categ
4	S4CANCRS	S4CANCRS:W4 S had cancer since last IW	Categ
5	S5CANCRS	S5CANCRS:W5 S had cancer since last IW	Categ
6	S6CANCRS	S6CANCRS:W6 S had cancer since last IW	Categ
7	S7CANCRS	S7CANCRS:W7 S had cancer since last IW	Categ
8	S8CANCRS	S8CANCRS:W8 S had cancer since last IW	Categ
9	S9CANCRS	S9CANCRS:W9 S had cancer since last IW	Categ
10	S10CANCRS	S10CANCRS:W10 S had cancer since last IW	Categ
11	S11CANCRS	S11CANCRS:W11 S had cancer since last IW	Categ
12	S12CANCRS	S12CANCRS:W12 S had cancer since last IW	Categ
13	S13CANCRS	S13CANCRS:W13 S had cancer since last IW	Categ
14	S14CANCRS	S14CANCRS:W14 S had cancer since last IW	Categ
15	S15CANCRS	S15CANCRS:W15 S had cancer since last IW	Categ
16	S16CANCRS	S16CANCRS:W16 S had cancer since last IW	Categ
2	R2LUNGS	R2LUNGS:W2 R had lung dis since last IW	Categ
3	R3LUNGS	R3LUNGS:W3 R had lung dis since last IW	Categ
4	R4LUNGS	R4LUNGS:W4 R had lung dis since last IW	Categ
5	R5LUNGS	R5LUNGS:W5 R had lung dis since last IW	Categ
6	R6LUNGS	R6LUNGS:W6 R had lung dis since last IW	Categ
7	R7LUNGS	R7LUNGS:W7 R had lung dis since last IW	Categ
8	R8LUNGS	R8LUNGS:W8 R had lung dis since last IW	Categ
9	R9LUNGS	R9LUNGS:W9 R had lung dis since last IW	Categ
10	R10LUNGS	R10LUNGS:W10 R had lung dis since last IW	Categ
11	R11LUNGS	R11LUNGS:W11 R had lung dis since last IW	Categ
12	R12LUNGS	R12LUNGS:W12 R had lung dis since last IW	Categ
13	R13LUNGS	R13LUNGS:W13 R had lung dis since last IW	Categ
14	R14LUNGS	R14LUNGS:W14 R had lung dis since last IW	Categ
15	R15LUNGS	R15LUNGS:W15 R had lung dis since last IW	Categ
16	R16LUNGS	R16LUNGS:W16 R had lung dis since last IW	Categ
2	S2LUNGS	S2LUNGS:W2 S had lung dis since last IW	Categ
3	S3LUNGS	S3LUNGS:W3 S had lung dis since last IW	Categ
4	S4LUNGS	S4LUNGS:W4 S had lung dis since last IW	Categ
5	S5LUNGS	S5LUNGS:W5 S had lung dis since last IW	Categ
6	S6LUNGS	S6LUNGS:W6 S had lung dis since last IW	Categ
7	S7LUNGS	S7LUNGS:W7 S had lung dis since last IW	Categ
8	S8LUNGS	S8LUNGS:W8 S had lung dis since last IW	Categ
9	S9LUNGS	S9LUNGS:W9 S had lung dis since last IW	Categ
10	S10LUNGS	S10LUNGS:W10 S had lung dis since last IW	Categ
11	S11LUNGS	S11LUNGS:W11 S had lung dis since last IW	Categ
12	S12LUNGS	S12LUNGS:W12 S had lung dis since last IW	Categ
13	S13LUNGS	S13LUNGS:W13 S had lung dis since last IW	Categ
14	S14LUNGS	S14LUNGS:W14 S had lung dis since last IW	Categ
15	S15LUNGS	S15LUNGS:W15 S had lung dis since last IW	Categ
16	S16LUNGS	S16LUNGS:W16 S had lung dis since last IW	Categ
2	R2HEARTS	R2HEARTS:W2 R had heart prob snce lastIW	Categ
3	R3HEARTS	R3HEARTS:W3 R had heart prob snce lastIW	Categ
4	R4HEARTS	R4HEARTS:W4 R had heart prob snce lastIW	Categ
5	R5HEARTS	R5HEARTS:W5 R had heart prob snce lastIW	Categ
6	R6HEARTS	R6HEARTS:W6 R had heart prob snce lastIW	Categ
7	R7HEARTS	R7HEARTS:W7 R had heart prob snce lastIW	Categ
8	R8HEARTS	R8HEARTS:W8 R had heart prob snce lastIW	Categ
9	R9HEARTS	R9HEARTS:W9 R had heart prob snce lastIW	Categ
10	R10HEARTS	R10HEARTS:W10 R had heart prob snce lastIW	Categ
11	R11HEARTS	R11HEARTS:W11 R had heart prob snce lastIW	Categ

12	R12HEARTS	R12HEARTS:W12 R had heart prob snce lastIW	Categ
13	R13HEARTS	R13HEARTS:W13 R had heart prob snce lastIW	Categ
14	R14HEARTS	R14HEARTS:W14 R had heart prob snce lastIW	Categ
15	R15HEARTS	R15HEARTS:W15 R had heart prob snce lastIW	Categ
16	R16HEARTS	R16HEARTS:W16 R had heart prob snce lastIW	Categ
2	S2HEARTS	S2HEARTS:W2 S had heart prob snce lastIW	Categ
3	S3HEARTS	S3HEARTS:W3 S had heart prob snce lastIW	Categ
4	S4HEARTS	S4HEARTS:W4 S had heart prob snce lastIW	Categ
5	S5HEARTS	S5HEARTS:W5 S had heart prob snce lastIW	Categ
6	S6HEARTS	S6HEARTS:W6 S had heart prob snce lastIW	Categ
7	S7HEARTS	S7HEARTS:W7 S had heart prob snce lastIW	Categ
8	S8HEARTS	S8HEARTS:W8 S had heart prob snce lastIW	Categ
9	S9HEARTS	S9HEARTS:W9 S had heart prob snce lastIW	Categ
10	S10HEARTS	S10HEARTS:W10 S had heart prob snce lastIW	Categ
11	S11HEARTS	S11HEARTS:W11 S had heart prob snce lastIW	Categ
12	S12HEARTS	S12HEARTS:W12 S had heart prob snce lastIW	Categ
13	S13HEARTS	S13HEARTS:W13 S had heart prob snce lastIW	Categ
14	S14HEARTS	S14HEARTS:W14 S had heart prob snce lastIW	Categ
15	S15HEARTS	S15HEARTS:W15 S had heart prob snce lastIW	Categ
16	S16HEARTS	S16HEARTS:W16 S had heart prob snce lastIW	Categ
2	R2STROKS	R2STROKS:W2 R had stroke since last IW	Categ
3	R3STROKS	R3STROKS:W3 R had stroke since last IW	Categ
4	R4STROKS	R4STROKS:W4 R had stroke since last IW	Categ
5	R5STROKS	R5STROKS:W5 R had stroke since last IW	Categ
6	R6STROKS	R6STROKS:W6 R had stroke since last IW	Categ
7	R7STROKS	R7STROKS:W7 R had stroke since last IW	Categ
8	R8STROKS	R8STROKS:W8 R had stroke since last IW	Categ
9	R9STROKS	R9STROKS:W9 R had stroke since last IW	Categ
10	R10STROKS	R10STROKS:W10 R had stroke since last IW	Categ
11	R11STROKS	R11STROKS:W11 R had stroke since last IW	Categ
12	R12STROKS	R12STROKS:W12 R had stroke since last IW	Categ
13	R13STROKS	R13STROKS:W13 R had stroke since last IW	Categ
14	R14STROKS	R14STROKS:W14 R had stroke since last IW	Categ
15	R15STROKS	R15STROKS:W15 R had stroke since last IW	Categ
16	R16STROKS	R16STROKS:W16 R had stroke since last IW	Categ
2	S2STROKS	S2STROKS:W2 S had stroke since last IW	Categ
3	S3STROKS	S3STROKS:W3 S had stroke since last IW	Categ
4	S4STROKS	S4STROKS:W4 S had stroke since last IW	Categ
5	S5STROKS	S5STROKS:W5 S had stroke since last IW	Categ
6	S6STROKS	S6STROKS:W6 S had stroke since last IW	Categ
7	S7STROKS	S7STROKS:W7 S had stroke since last IW	Categ
8	S8STROKS	S8STROKS:W8 S had stroke since last IW	Categ
9	S9STROKS	S9STROKS:W9 S had stroke since last IW	Categ
10	S10STROKS	S10STROKS:W10 S had stroke since last IW	Categ
11	S11STROKS	S11STROKS:W11 S had stroke since last IW	Categ
12	S12STROKS	S12STROKS:W12 S had stroke since last IW	Categ
13	S13STROKS	S13STROKS:W13 S had stroke since last IW	Categ
14	S14STROKS	S14STROKS:W14 S had stroke since last IW	Categ
15	S15STROKS	S15STROKS:W15 S had stroke since last IW	Categ
16	S16STROKS	S16STROKS:W16 S had stroke since last IW	Categ
2	R2PSYCHS	R2PSYCHS:W2 R had psych prob snce lastIW	Categ
3	R3PSYCHS	R3PSYCHS:W3 R had psych prob snce lastIW	Categ
4	R4PSYCHS	R4PSYCHS:W4 R had psych prob snce lastIW	Categ
5	R5PSYCHS	R5PSYCHS:W5 R had psych prob snce lastIW	Categ
6	R6PSYCHS	R6PSYCHS:W6 R had psych prob snce lastIW	Categ
7	R7PSYCHS	R7PSYCHS:W7 R had psych prob snce lastIW	Categ
8	R8PSYCHS	R8PSYCHS:W8 R had psych prob snce lastIW	Categ
9	R9PSYCHS	R9PSYCHS:W9 R had psych prob snce lastIW	Categ
10	R10PSYCHS	R10PSYCHS:W10 R had psych prob snce lastIW	Categ
11	R11PSYCHS	R11PSYCHS:W11 R had psych prob snce lastIW	Categ
12	R12PSYCHS	R12PSYCHS:W12 R had psych prob snce lastIW	Categ
13	R13PSYCHS	R13PSYCHS:W13 R had psych prob snce lastIW	Categ
14	R14PSYCHS	R14PSYCHS:W14 R had psych prob snce lastIW	Categ
15	R15PSYCHS	R15PSYCHS:W15 R had psych prob snce lastIW	Categ
16	R16PSYCHS	R16PSYCHS:W16 R had psych prob snce lastIW	Categ
2	S2PSYCHS	S2PSYCHS:W2 S had psych prob snce lastIW	Categ
3	S3PSYCHS	S3PSYCHS:W3 S had psych prob snce lastIW	Categ

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 4    S4PSYCHS            S4PSYCHS:W4 S had psych prob snce lastIW                    Categ
 5    S5PSYCHS            S5PSYCHS:W5 S had psych prob snce lastIW                    Categ
 6    S6PSYCHS            S6PSYCHS:W6 S had psych prob snce lastIW                    Categ
 7    S7PSYCHS            S7PSYCHS:W7 S had psych prob snce lastIW                    Categ
 8    S8PSYCHS            S8PSYCHS:W8 S had psych prob snce lastIW                    Categ
 9    S9PSYCHS            S9PSYCHS:W9 S had psych prob snce lastIW                    Categ
10    S10PSYCHS           S10PSYCHS:W10 S had psych prob snce lastIW                  Categ
11    S11PSYCHS           S11PSYCHS:W11 S had psych prob snce lastIW                  Categ
12    S12PSYCHS           S12PSYCHS:W12 S had psych prob snce lastIW                  Categ
13    S13PSYCHS           S13PSYCHS:W13 S had psych prob snce lastIW                  Categ
14    S14PSYCHS           S14PSYCHS:W14 S had psych prob snce lastIW                  Categ
15    S15PSYCHS           S15PSYCHS:W15 S had psych prob snce lastIW                  Categ
16    S16PSYCHS           S16PSYCHS:W16 S had psych prob snce lastIW                  Categ

 2    R2ARTHRS            R2ARTHRS:W2 R had arthritis snce last IW                    Categ
 3    R3ARTHRS            R3ARTHRS:W3 R had arthritis snce last IW                    Categ
 4    R4ARTHRS            R4ARTHRS:W4 R had arthritis snce last IW                    Categ
 5    R5ARTHRS            R5ARTHRS:W5 R had arthritis snce last IW                    Categ
 6    R6ARTHRS            R6ARTHRS:W6 R had arthritis snce last IW                    Categ
 7    R7ARTHRS            R7ARTHRS:W7 R had arthritis snce last IW                    Categ
 8    R8ARTHRS            R8ARTHRS:W8 R had arthritis snce last IW                    Categ
 9    R9ARTHRS            R9ARTHRS:W9 R had arthritis snce last IW                    Categ
10    R10ARTHRS           R10ARTHRS:W10 R had arthritis snce last IW                  Categ
11    R11ARTHRS           R11ARTHRS:W11 R had arthritis snce last IW                  Categ
12    R12ARTHRS           R12ARTHRS:W12 R had arthritis snce last IW                  Categ
13    R13ARTHRS           R13ARTHRS:W13 R had arthritis snce last IW                  Categ
14    R14ARTHRS           R14ARTHRS:W14 R had arthritis snce last IW                  Categ
15    R15ARTHRS           R15ARTHRS:W15 R had arthritis snce last IW                  Categ
16    R16ARTHRS           R16ARTHRS:W16 R had arthritis snce last IW                  Categ

 2    S2ARTHRS            S2ARTHRS:W2 S had arthritis snce last IW                    Categ
 3    S3ARTHRS            S3ARTHRS:W3 S had arthritis snce last IW                    Categ
 4    S4ARTHRS            S4ARTHRS:W4 S had arthritis snce last IW                    Categ
 5    S5ARTHRS            S5ARTHRS:W5 S had arthritis snce last IW                    Categ
 6    S6ARTHRS            S6ARTHRS:W6 S had arthritis snce last IW                    Categ
 7    S7ARTHRS            S7ARTHRS:W7 S had arthritis snce last IW                    Categ
 8    S8ARTHRS            S8ARTHRS:W8 S had arthritis snce last IW                    Categ
 9    S9ARTHRS            S9ARTHRS:W9 S had arthritis snce last IW                    Categ
10    S10ARTHRS           S10ARTHRS:W10 S had arthritis snce last IW                  Categ
11    S11ARTHRS           S11ARTHRS:W11 S had arthritis snce last IW                  Categ
12    S12ARTHRS           S12ARTHRS:W12 S had arthritis snce last IW                  Categ
13    S13ARTHRS           S13ARTHRS:W13 S had arthritis snce last IW                  Categ
14    S14ARTHRS           S14ARTHRS:W14 S had arthritis snce last IW                  Categ
15    S15ARTHRS           S15ARTHRS:W15 S had arthritis snce last IW                  Categ
16    S16ARTHRS           S16ARTHRS:W16 S had arthritis snce last IW                  Categ

14    R14SLEEPS           R14SLEEPS:W14 R had sleep disorder snce last IW             Categ
15    R15SLEEPS           R15SLEEPS:W15 R had sleep disorder snce last IW             Categ
16    R16SLEEPS           R16SLEEPS:W16 R had sleep disorder snce last IW             Categ

14    S14SLEEPS           S14SLEEPS:W14 S had sleep disorder snce last IW             Categ
15    S15SLEEPS           S15SLEEPS:W15 S had sleep disorder snce last IW             Categ
16    S16SLEEPS           S16SLEEPS:W16 S had sleep disorder snce last IW             Categ

 2    R2CONDS             R2CONDS:W2 Sum of conditns since lastIW                     Cont
 3    R3CONDS             R3CONDS:W3 Sum of conditns since lastIW                     Cont
 4    R4CONDS             R4CONDS:W4 Sum of conditns since lastIW                     Cont
 5    R5CONDS             R5CONDS:W5 Sum of conditns since lastIW                     Cont
 6    R6CONDS             R6CONDS:W6 Sum of conditns since lastIW                     Cont
 7    R7CONDS             R7CONDS:W7 Sum of conditns since lastIW                     Cont
 8    R8CONDS             R8CONDS:W8 Sum of conditns since lastIW                     Cont
 9    R9CONDS             R9CONDS:W9 Sum of conditns since lastIW                     Cont
10    R10CONDS            R10CONDS:W10 Sum of conditns since lastIW                   Cont
11    R11CONDS            R11CONDS:W11 Sum of conditns since lastIW                   Cont
12    R12CONDS            R12CONDS:W12 Sum of conditns since lastIW                   Cont
13    R13CONDS            R13CONDS:W13 Sum of conditns since lastIW                   Cont
14    R14CONDS            R14CONDS:W14 Sum of conditns since lastIW                   Cont
15    R15CONDS            R15CONDS:W15 Sum of conditns since lastIW                   Cont
16    R16CONDS            R16CONDS:W16 Sum of conditns since lastIW                   Cont

 2    S2CONDS             S2CONDS:W2 Sum of conditns since lastIW                     Cont
 3    S3CONDS             S3CONDS:W3 Sum of conditns since lastIW                     Cont
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 4    S4CONDS             S4CONDS:W4 Sum of conditns since lastIW                    Cont
 5    S5CONDS             S5CONDS:W5 Sum of conditns since lastIW                    Cont
 6    S6CONDS             S6CONDS:W6 Sum of conditns since lastIW                    Cont
 7    S7CONDS             S7CONDS:W7 Sum of conditns since lastIW                    Cont
 8    S8CONDS             S8CONDS:W8 Sum of conditns since lastIW                    Cont
 9    S9CONDS             S9CONDS:W9 Sum of conditns since lastIW                    Cont
10    S10CONDS            S10CONDS:W10 Sum of conditns since lastIW                  Cont
11    S11CONDS            S11CONDS:W11 Sum of conditns since lastIW                  Cont
12    S12CONDS            S12CONDS:W12 Sum of conditns since lastIW                  Cont
13    S13CONDS            S13CONDS:W13 Sum of conditns since lastIW                  Cont
14    S14CONDS            S14CONDS:W14 Sum of conditns since lastIW                  Cont
15    S15CONDS            S15CONDS:W15 Sum of conditns since lastIW                  Cont
16    S16CONDS            S16CONDS:W16 Sum of conditns since lastIW                  Cont

 2    R2CONDSF            R2CONDSF:W2 # chg from dispute/sum since                   Cont
 3    R3CONDSF            R3CONDSF:W3 # chg from dispute/sum since                   Cont
 4    R4CONDSF            R4CONDSF:W4 # chg from dispute/sum since                   Cont
 5    R5CONDSF            R5CONDSF:W5 # chg from dispute/sum since                   Cont
 6    R6CONDSF            R6CONDSF:W6 # chg from dispute/sum since                   Cont
 7    R7CONDSF            R7CONDSF:W7 # chg from dispute/sum since                   Cont
 8    R8CONDSF            R8CONDSF:W8 # chg from dispute/sum since                   Cont
 9    R9CONDSF            R9CONDSF:W9 # chg from dispute/sum since                   Cont
10    R10CONDSF           R10CONDSF:W10 # chg from dispute/sum since                 Cont
11    R11CONDSF           R11CONDSF:W11 # chg from dispute/sum since                 Cont
12    R12CONDSF           R12CONDSF:W12 # chg from dispute/sum since                 Cont
13    R13CONDSF           R13CONDSF:W13 # chg from dispute/sum since                 Cont
14    R14CONDSF           R14CONDSF:W14 # chg from dispute/sum since                 Cont
15    R15CONDSF           R15CONDSF:W15 # chg from dispute/sum since                 Cont
16    R16CONDSF           R16CONDSF:W16 # chg from dispute/sum since                 Cont

 2    S2CONDSF            S2CONDSF:W2 # chg from dispute/sum since                   Cont
 3    S3CONDSF            S3CONDSF:W3 # chg from dispute/sum since                   Cont
 4    S4CONDSF            S4CONDSF:W4 # chg from dispute/sum since                   Cont
 5    S5CONDSF            S5CONDSF:W5 # chg from dispute/sum since                   Cont
 6    S6CONDSF            S6CONDSF:W6 # chg from dispute/sum since                   Cont
 7    S7CONDSF            S7CONDSF:W7 # chg from dispute/sum since                   Cont
 8    S8CONDSF            S8CONDSF:W8 # chg from dispute/sum since                   Cont
 9    S9CONDSF            S9CONDSF:W9 # chg from dispute/sum since                   Cont
10    S10CONDSF           S10CONDSF:W10 # chg from dispute/sum since                 Cont
11    S11CONDSF           S11CONDSF:W11 # chg from dispute/sum since                 Cont
12    S12CONDSF           S12CONDSF:W12 # chg from dispute/sum since                 Cont
13    S13CONDSF           S13CONDSF:W13 # chg from dispute/sum since                 Cont
14    S14CONDSF           S14CONDSF:W14 # chg from dispute/sum since                 Cont
15    S15CONDSF           S15CONDSF:W15 # chg from dispute/sum since                 Cont
16    S16CONDSF           S16CONDSF:W16 # chg from dispute/sum since                 Cont

 2    R2CONDSP            R2CONDSP:W2 Flag Prv IVW not Wv-1/since                    Categ
 3    R3CONDSP            R3CONDSP:W3 Flag Prv IVW not Wv-1/since                    Categ
 4    R4CONDSP            R4CONDSP:W4 Flag Prv IVW not Wv-1/since                    Categ
 5    R5CONDSP            R5CONDSP:W5 Flag Prv IVW not Wv-1/since                    Categ
 6    R6CONDSP            R6CONDSP:W6 Flag Prv IVW not Wv-1/since                    Categ
 7    R7CONDSP            R7CONDSP:W7 Flag Prv IVW not Wv-1/since                    Categ
 8    R8CONDSP            R8CONDSP:W8 Flag Prv IVW not Wv-1/since                    Categ
 9    R9CONDSP            R9CONDSP:W9 Flag Prv IVW not Wv-1/since                    Categ
10    R10CONDSP           R10CONDSP:W10 Flag Prv IVW not Wv-1/since                  Categ
11    R11CONDSP           R11CONDSP:W11 Flag Prv IVW not Wv-1/since                  Categ
12    R12CONDSP           R12CONDSP:W12 Flag Prv IVW not Wv-1/since                  Categ
13    R13CONDSP           R13CONDSP:W13 Flag Prv IVW not Wv-1/since                  Categ
14    R14CONDSP           R14CONDSP:W14 Flag Prv IVW not Wv-1/since                  Categ
15    R15CONDSP           R15CONDSP:W15 Flag Prv IVW not Wv-1/since                  Categ
16    R16CONDSP           R16CONDSP:W16 Flag Prv IVW not Wv-1/since                  Categ

 2    S2CONDSP            S2CONDSP:W2 Flag Prv IVW not Wv-1/since                    Categ
 3    S3CONDSP            S3CONDSP:W3 Flag Prv IVW not Wv-1/since                    Categ
 4    S4CONDSP            S4CONDSP:W4 Flag Prv IVW not Wv-1/since                    Categ
 5    S5CONDSP            S5CONDSP:W5 Flag Prv IVW not Wv-1/since                    Categ
 6    S6CONDSP            S6CONDSP:W6 Flag Prv IVW not Wv-1/since                    Categ
 7    S7CONDSP            S7CONDSP:W7 Flag Prv IVW not Wv-1/since                    Categ
 8    S8CONDSP            S8CONDSP:W8 Flag Prv IVW not Wv-1/since                    Categ
 9    S9CONDSP            S9CONDSP:W9 Flag Prv IVW not Wv-1/since                    Categ
10    S10CONDSP           S10CONDSP:W10 Flag Prv IVW not Wv-1/since                  Categ
11    S11CONDSP           S11CONDSP:W11 Flag Prv IVW not Wv-1/since                  Categ
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12	S12CONDSP	S12CONDSP:W12 Flag Prv IVW not Wv-1/since	Categ
13	S13CONDSP	S13CONDSP:W13 Flag Prv IVW not Wv-1/since	Categ
14	S14CONDSP	S14CONDSP:W14 Flag Prv IVW not Wv-1/since	Categ
15	S15CONDSP	S15CONDSP:W15 Flag Prv IVW not Wv-1/since	Categ
16	S16CONDSP	S16CONDSP:W16 Flag Prv IVW not Wv-1/since	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2HIBPS	11423	0.03	0.18	0.0	1.0
R3HIBPS	17721	0.04	0.19	0.0	1.0
R4HIBPS	16293	0.04	0.20	0.0	1.0
R5HIBPS	19314	0.05	0.21	0.0	1.0
R6HIBPS	17938	0.06	0.23	0.0	1.0
R7HIBPS	16657	0.05	0.22	0.0	1.0
R8HIBPS	18261	0.05	0.22	0.0	1.0
R9HIBPS	17074	0.05	0.22	0.0	1.0
R10HIBPS	15595	0.05	0.22	0.0	1.0
R11HIBPS	20223	0.04	0.20	0.0	1.0
R12HIBPS	18569	0.03	0.18	0.0	1.0
R13HIBPS	16354	0.04	0.19	0.0	1.0
R14HIBPS	16965	0.03	0.18	0.0	1.0
R15HIBPS	15551	0.03	0.18	0.0	1.0
R16HIBPS	13027	0.04	0.20	0.0	1.0
S2HIBPS	8742	0.03	0.18	0.0	1.0
S3HIBPS	11677	0.03	0.18	0.0	1.0
S4HIBPS	10476	0.04	0.20	0.0	1.0
S5HIBPS	12484	0.05	0.21	0.0	1.0
S6HIBPS	11429	0.05	0.23	0.0	1.0
S7HIBPS	10487	0.05	0.22	0.0	1.0
S8HIBPS	11536	0.05	0.22	0.0	1.0
S9HIBPS	10507	0.05	0.22	0.0	1.0
S10HIBPS	9417	0.05	0.21	0.0	1.0
S11HIBPS	12171	0.04	0.20	0.0	1.0
S12HIBPS	10845	0.03	0.18	0.0	1.0
S13HIBPS	9262	0.04	0.19	0.0	1.0
S14HIBPS	9182	0.03	0.18	0.0	1.0
S15HIBPS	8321	0.04	0.19	0.0	1.0
S16HIBPS	6619	0.04	0.20	0.0	1.0
R2DIABS	11423	0.02	0.13	0.0	1.0
R3DIABS	17721	0.02	0.14	0.0	1.0
R4DIABS	16293	0.02	0.14	0.0	1.0
R5DIABS	19314	0.02	0.15	0.0	1.0
R6DIABS	17938	0.03	0.17	0.0	1.0
R7DIABS	16657	0.03	0.16	0.0	1.0
R8DIABS	18261	0.03	0.17	0.0	1.0
R9DIABS	17074	0.03	0.16	0.0	1.0
R10DIABS	15595	0.03	0.18	0.0	1.0
R11DIABS	20223	0.02	0.16	0.0	1.0
R12DIABS	18569	0.03	0.16	0.0	1.0
R13DIABS	16354	0.04	0.18	0.0	1.0
R14DIABS	16965	0.03	0.16	0.0	1.0
R15DIABS	15551	0.03	0.17	0.0	1.0
R16DIABS	13027	0.04	0.19	0.0	1.0

S2DIABS	8742	0.02	0.12	0.0	1.0
S3DIABS	11677	0.02	0.13	0.0	1.0
S4DIABS	10476	0.02	0.13	0.0	1.0
S5DIABS	12484	0.02	0.15	0.0	1.0
S6DIABS	11429	0.03	0.17	0.0	1.0
S7DIABS	10487	0.03	0.16	0.0	1.0
S8DIABS	11536	0.03	0.16	0.0	1.0
S9DIABS	10507	0.03	0.16	0.0	1.0
S10DIABS	9417	0.03	0.18	0.0	1.0
S11DIABS	12171	0.02	0.15	0.0	1.0
S12DIABS	10845	0.03	0.16	0.0	1.0
S13DIABS	9262	0.04	0.19	0.0	1.0
S14DIABS	9182	0.03	0.17	0.0	1.0
S15DIABS	8321	0.03	0.17	0.0	1.0
S16DIABS	6619	0.04	0.19	0.0	1.0
R2CANCRS	11423	0.01	0.11	0.0	1.0
R3CANCRS	17721	0.02	0.14	0.0	1.0
R4CANCRS	16293	0.02	0.15	0.0	1.0
R5CANCRS	19314	0.02	0.14	0.0	1.0
R6CANCRS	17938	0.03	0.16	0.0	1.0
R7CANCRS	16657	0.02	0.15	0.0	1.0
R8CANCRS	18261	0.02	0.15	0.0	1.0
R9CANCRS	17074	0.02	0.15	0.0	1.0
R10CANCRS	15595	0.03	0.16	0.0	1.0
R11CANCRS	20223	0.02	0.14	0.0	1.0
R12CANCRS	18569	0.02	0.14	0.0	1.0
R13CANCRS	16354	0.02	0.15	0.0	1.0
R14CANCRS	16965	0.02	0.13	0.0	1.0
R15CANCRS	15551	0.02	0.14	0.0	1.0
R16CANCRS	13027	0.02	0.15	0.0	1.0
S2CANCRS	8742	0.01	0.11	0.0	1.0
S3CANCRS	11677	0.02	0.14	0.0	1.0
S4CANCRS	10476	0.02	0.15	0.0	1.0
S5CANCRS	12484	0.02	0.14	0.0	1.0
S6CANCRS	11429	0.03	0.16	0.0	1.0
S7CANCRS	10487	0.02	0.15	0.0	1.0
S8CANCRS	11536	0.02	0.15	0.0	1.0
S9CANCRS	10507	0.02	0.15	0.0	1.0
S10CANCRS	9417	0.03	0.17	0.0	1.0
S11CANCRS	12171	0.02	0.14	0.0	1.0
S12CANCRS	10845	0.02	0.15	0.0	1.0
S13CANCRS	9262	0.02	0.15	0.0	1.0
S14CANCRS	9182	0.02	0.14	0.0	1.0
S15CANCRS	8321	0.02	0.14	0.0	1.0
S16CANCRS	6619	0.02	0.15	0.0	1.0
R2LUNGS	11423	0.01	0.11	0.0	1.0
R3LUNGS	17721	0.01	0.11	0.0	1.0
R4LUNGS	16293	0.02	0.12	0.0	1.0
R5LUNGS	19314	0.01	0.12	0.0	1.0
R6LUNGS	17938	0.02	0.13	0.0	1.0
R7LUNGS	16657	0.02	0.13	0.0	1.0
R8LUNGS	18261	0.02	0.13	0.0	1.0
R9LUNGS	17074	0.02	0.13	0.0	1.0
R10LUNGS	15595	0.02	0.14	0.0	1.0
R11LUNGS	20223	0.02	0.12	0.0	1.0

R12LUNGS	18569	0.02	0.12	0.0	1.0
R13LUNGS	16354	0.02	0.14	0.0	1.0
R14LUNGS	16965	0.02	0.12	0.0	1.0
R15LUNGS	15551	0.02	0.12	0.0	1.0
R16LUNGS	13027	0.01	0.12	0.0	1.0
S2LUNGS	8742	0.01	0.11	0.0	1.0
S3LUNGS	11677	0.01	0.10	0.0	1.0
S4LUNGS	10476	0.01	0.11	0.0	1.0
S5LUNGS	12484	0.01	0.12	0.0	1.0
S6LUNGS	11429	0.01	0.11	0.0	1.0
S7LUNGS	10487	0.02	0.13	0.0	1.0
S8LUNGS	11536	0.01	0.12	0.0	1.0
S9LUNGS	10507	0.01	0.12	0.0	1.0
S10LUNGS	9417	0.02	0.13	0.0	1.0
S11LUNGS	12171	0.01	0.11	0.0	1.0
S12LUNGS	10845	0.01	0.11	0.0	1.0
S13LUNGS	9262	0.02	0.13	0.0	1.0
S14LUNGS	9182	0.01	0.11	0.0	1.0
S15LUNGS	8321	0.01	0.11	0.0	1.0
S16LUNGS	6619	0.01	0.10	0.0	1.0
R2HEARTS	11423	0.02	0.15	0.0	1.0
R3HEARTS	17721	0.03	0.18	0.0	1.0
R4HEARTS	16293	0.03	0.18	0.0	1.0
R5HEARTS	19314	0.03	0.18	0.0	1.0
R6HEARTS	17938	0.04	0.19	0.0	1.0
R7HEARTS	16657	0.04	0.19	0.0	1.0
R8HEARTS	18261	0.03	0.18	0.0	1.0
R9HEARTS	17074	0.03	0.18	0.0	1.0
R10HEARTS	15595	0.04	0.20	0.0	1.0
R11HEARTS	20223	0.03	0.17	0.0	1.0
R12HEARTS	18569	0.03	0.18	0.0	1.0
R13HEARTS	16354	0.04	0.19	0.0	1.0
R14HEARTS	16965	0.03	0.17	0.0	1.0
R15HEARTS	15551	0.03	0.17	0.0	1.0
R16HEARTS	13027	0.04	0.20	0.0	1.0
S2HEARTS	8742	0.02	0.15	0.0	1.0
S3HEARTS	11677	0.03	0.17	0.0	1.0
S4HEARTS	10476	0.03	0.18	0.0	1.0
S5HEARTS	12484	0.03	0.17	0.0	1.0
S6HEARTS	11429	0.03	0.18	0.0	1.0
S7HEARTS	10487	0.03	0.18	0.0	1.0
S8HEARTS	11536	0.03	0.17	0.0	1.0
S9HEARTS	10507	0.03	0.17	0.0	1.0
S10HEARTS	9417	0.04	0.19	0.0	1.0
S11HEARTS	12171	0.03	0.16	0.0	1.0
S12HEARTS	10845	0.03	0.17	0.0	1.0
S13HEARTS	9262	0.03	0.17	0.0	1.0
S14HEARTS	9182	0.03	0.17	0.0	1.0
S15HEARTS	8321	0.03	0.16	0.0	1.0
S16HEARTS	6619	0.04	0.20	0.0	1.0
R2STROKS	11423	0.01	0.08	0.0	1.0
R3STROKS	17721	0.02	0.14	0.0	1.0
R4STROKS	16293	0.02	0.14	0.0	1.0
R5STROKS	19314	0.02	0.14	0.0	1.0
R6STROKS	17938	0.02	0.14	0.0	1.0

R7STROKS	16657	0.02	0.14	0.0	1.0
R8STROKS	18261	0.02	0.13	0.0	1.0
R9STROKS	17074	0.02	0.13	0.0	1.0
R10STROKS	15595	0.02	0.15	0.0	1.0
R11STROKS	20223	0.02	0.13	0.0	1.0
R12STROKS	18569	0.02	0.13	0.0	1.0
R13STROKS	16354	0.02	0.13	0.0	1.0
R14STROKS	16965	0.01	0.11	0.0	1.0
R15STROKS	15551	0.01	0.11	0.0	1.0
R16STROKS	13027	0.02	0.13	0.0	1.0
S2STROKS	8742	0.01	0.07	0.0	1.0
S3STROKS	11677	0.02	0.12	0.0	1.0
S4STROKS	10476	0.02	0.12	0.0	1.0
S5STROKS	12484	0.02	0.12	0.0	1.0
S6STROKS	11429	0.02	0.13	0.0	1.0
S7STROKS	10487	0.01	0.12	0.0	1.0
S8STROKS	11536	0.01	0.12	0.0	1.0
S9STROKS	10507	0.01	0.11	0.0	1.0
S10STROKS	9417	0.02	0.13	0.0	1.0
S11STROKS	12171	0.01	0.11	0.0	1.0
S12STROKS	10845	0.01	0.11	0.0	1.0
S13STROKS	9262	0.01	0.12	0.0	1.0
S14STROKS	9182	0.01	0.11	0.0	1.0
S15STROKS	8321	0.01	0.10	0.0	1.0
S16STROKS	6619	0.01	0.12	0.0	1.0
R2PSYCHS	11423	0.02	0.13	0.0	1.0
R3PSYCHS	17721	0.02	0.15	0.0	1.0
R4PSYCHS	16293	0.02	0.14	0.0	1.0
R5PSYCHS	19314	0.02	0.14	0.0	1.0
R6PSYCHS	17938	0.02	0.15	0.0	1.0
R7PSYCHS	16657	0.02	0.14	0.0	1.0
R8PSYCHS	18261	0.02	0.15	0.0	1.0
R9PSYCHS	17074	0.02	0.14	0.0	1.0
R10PSYCHS	15595	0.02	0.14	0.0	1.0
R11PSYCHS	20223	0.02	0.14	0.0	1.0
R12PSYCHS	18569	0.02	0.14	0.0	1.0
R13PSYCHS	16354	0.02	0.15	0.0	1.0
R14PSYCHS	16965	0.02	0.14	0.0	1.0
R15PSYCHS	15551	0.02	0.13	0.0	1.0
R16PSYCHS	13027	0.02	0.13	0.0	1.0
S2PSYCHS	8742	0.02	0.13	0.0	1.0
S3PSYCHS	11677	0.02	0.13	0.0	1.0
S4PSYCHS	10476	0.02	0.12	0.0	1.0
S5PSYCHS	12484	0.02	0.13	0.0	1.0
S6PSYCHS	11429	0.02	0.14	0.0	1.0
S7PSYCHS	10487	0.02	0.13	0.0	1.0
S8PSYCHS	11536	0.02	0.15	0.0	1.0
S9PSYCHS	10507	0.02	0.13	0.0	1.0
S10PSYCHS	9417	0.02	0.13	0.0	1.0
S11PSYCHS	12171	0.02	0.13	0.0	1.0
S12PSYCHS	10845	0.02	0.13	0.0	1.0
S13PSYCHS	9262	0.02	0.13	0.0	1.0
S14PSYCHS	9182	0.02	0.13	0.0	1.0
S15PSYCHS	8321	0.01	0.12	0.0	1.0
S16PSYCHS	6619	0.01	0.12	0.0	1.0

R2ARTHRS	11423	0.06	0.23	0.0	1.0
R3ARTHRS	17721	0.14	0.34	0.0	1.0
R4ARTHRS	16293	0.07	0.25	0.0	1.0
R5ARTHRS	19314	0.05	0.22	0.0	1.0
R6ARTHRS	17938	0.05	0.23	0.0	1.0
R7ARTHRS	16657	0.05	0.21	0.0	1.0
R8ARTHRS	18261	0.04	0.20	0.0	1.0
R9ARTHRS	17074	0.04	0.20	0.0	1.0
R10ARTHRS	15595	0.04	0.20	0.0	1.0
R11ARTHRS	20223	0.04	0.20	0.0	1.0
R12ARTHRS	18569	0.04	0.19	0.0	1.0
R13ARTHRS	16354	0.04	0.20	0.0	1.0
R14ARTHRS	16965	0.04	0.20	0.0	1.0
R15ARTHRS	15551	0.04	0.19	0.0	1.0
R16ARTHRS	13027	0.04	0.19	0.0	1.0
S2ARTHRS	8742	0.06	0.23	0.0	1.0
S3ARTHRS	11677	0.11	0.32	0.0	1.0
S4ARTHRS	10476	0.06	0.24	0.0	1.0
S5ARTHRS	12484	0.05	0.22	0.0	1.0
S6ARTHRS	11429	0.06	0.23	0.0	1.0
S7ARTHRS	10487	0.05	0.21	0.0	1.0
S8ARTHRS	11536	0.04	0.20	0.0	1.0
S9ARTHRS	10507	0.04	0.20	0.0	1.0
S10ARTHRS	9417	0.04	0.20	0.0	1.0
S11ARTHRS	12171	0.04	0.20	0.0	1.0
S12ARTHRS	10845	0.04	0.19	0.0	1.0
S13ARTHRS	9262	0.04	0.20	0.0	1.0
S14ARTHRS	9182	0.04	0.20	0.0	1.0
S15ARTHRS	8321	0.04	0.19	0.0	1.0
S16ARTHRS	6619	0.04	0.20	0.0	1.0
R14SLEEPS	16604	0.03	0.18	0.0	1.0
R15SLEEPS	15321	0.03	0.16	0.0	1.0
R16SLEEPS	12944	0.03	0.16	0.0	1.0
S14SLEEPS	9024	0.03	0.18	0.0	1.0
S15SLEEPS	8218	0.03	0.16	0.0	1.0
S16SLEEPS	6583	0.03	0.16	0.0	1.0
R2CONDS	11423	0.18	0.45	0.0	4.0
R3CONDS	17721	0.30	0.56	0.0	5.0
R4CONDS	16293	0.24	0.52	0.0	4.0
R5CONDS	19314	0.23	0.50	0.0	5.0
R6CONDS	17938	0.26	0.53	0.0	5.0
R7CONDS	16657	0.24	0.51	0.0	5.0
R8CONDS	18261	0.23	0.51	0.0	5.0
R9CONDS	17074	0.23	0.50	0.0	5.0
R10CONDS	15595	0.25	0.53	0.0	4.0
R11CONDS	20223	0.21	0.49	0.0	5.0
R12CONDS	18569	0.20	0.47	0.0	5.0
R13CONDS	16354	0.23	0.50	0.0	5.0
R14CONDS	16965	0.20	0.48	0.0	4.0
R15CONDS	15551	0.20	0.46	0.0	5.0
R16CONDS	13027	0.23	0.51	0.0	5.0
S2CONDS	8742	0.17	0.44	0.0	4.0
S3CONDS	11677	0.26	0.52	0.0	5.0
S4CONDS	10476	0.23	0.49	0.0	4.0

S5CONDS	12484	0.22	0.49	0.0	5.0
S6CONDS	11429	0.25	0.51	0.0	4.0
S7CONDS	10487	0.23	0.50	0.0	5.0
S8CONDS	11536	0.23	0.50	0.0	5.0
S9CONDS	10507	0.22	0.49	0.0	4.0
S10CONDS	9417	0.24	0.51	0.0	4.0
S11CONDS	12171	0.20	0.47	0.0	5.0
S12CONDS	10845	0.19	0.45	0.0	4.0
S13CONDS	9262	0.22	0.49	0.0	5.0
S14CONDS	9182	0.20	0.47	0.0	4.0
S15CONDS	8321	0.19	0.45	0.0	5.0
S16CONDS	6619	0.22	0.50	0.0	5.0
R2CONDSF	19642	0.05	0.23	0.0	4.0
R3CONDSF	17991	0.19	0.46	0.0	5.0
R4CONDSF	21384	0.11	0.36	0.0	4.0
R5CONDSF	19578	0.12	0.36	0.0	4.0
R6CONDSF	18165	0.10	0.33	0.0	3.0
R7CONDSF	20129	0.10	0.33	0.0	3.0
R8CONDSF	18469	0.11	0.34	0.0	4.0
R9CONDSF	17217	0.11	0.35	0.0	3.0
R10CONDSF	22034	0.07	0.29	0.0	6.0
R11CONDSF	20554	0.09	0.32	0.0	5.0
R12CONDSF	18747	0.08	0.30	0.0	3.0
R13CONDSF	20912	0.07	0.28	0.0	4.0
R14CONDSF	17146	0.04	0.21	0.0	6.0
R15CONDSF	15723	0.03	0.19	0.0	3.0
R16CONDSF	15787	0.02	0.16	0.0	2.0
S2CONDSF	13090	0.05	0.24	0.0	3.0
S3CONDSF	11917	0.18	0.45	0.0	5.0
S4CONDSF	13980	0.11	0.34	0.0	3.0
S5CONDSF	12730	0.11	0.35	0.0	4.0
S6CONDSF	11639	0.10	0.32	0.0	3.0
S7CONDSF	12972	0.09	0.32	0.0	3.0
S8CONDSF	11735	0.09	0.32	0.0	3.0
S9CONDSF	10646	0.10	0.33	0.0	3.0
S10CONDSF	13513	0.06	0.27	0.0	4.0
S11CONDSF	12484	0.08	0.30	0.0	4.0
S12CONDSF	11012	0.07	0.28	0.0	3.0
S13CONDSF	11779	0.06	0.26	0.0	4.0
S14CONDSF	9358	0.03	0.20	0.0	6.0
S15CONDSF	8477	0.03	0.17	0.0	3.0
S16CONDSF	7840	0.02	0.15	0.0	2.0
R2CONDSP	11423	0.00	0.00	0.0	0.0
R3CONDSP	17721	0.02	0.14	0.0	1.0
R4CONDSP	16293	0.04	0.23	0.0	2.0
R5CONDSP	19314	0.03	0.24	0.0	3.0
R6CONDSP	17938	0.06	0.34	0.0	4.0
R7CONDSP	16657	0.05	0.33	0.0	5.0
R8CONDSP	18261	0.04	0.30	0.0	6.0
R9CONDSP	17074	0.05	0.35	0.0	7.0
R10CONDSP	15595	0.07	0.44	0.0	8.0
R11CONDSP	20223	0.04	0.33	0.0	9.0
R12CONDSP	18569	0.04	0.30	0.0	8.0
R13CONDSP	16354	0.04	0.25	0.0	7.0
R14CONDSP	16965	0.03	0.23	0.0	6.0
R15CONDSP	15551	0.10	0.38	0.0	7.0

R16CONDSP	13027	0.10	0.44	0.0	9.0
S2CONDSP	8742	0.00	0.00	0.0	0.0
S3CONDSP	11677	0.02	0.14	0.0	1.0
S4CONDSP	10476	0.03	0.22	0.0	2.0
S5CONDSP	12484	0.03	0.21	0.0	3.0
S6CONDSP	11429	0.05	0.30	0.0	4.0
S7CONDSP	10487	0.04	0.32	0.0	5.0
S8CONDSP	11536	0.03	0.27	0.0	6.0
S9CONDSP	10507	0.04	0.28	0.0	7.0
S10CONDSP	9417	0.06	0.41	0.0	8.0
S11CONDSP	12171	0.03	0.29	0.0	9.0
S12CONDSP	10845	0.03	0.23	0.0	6.0
S13CONDSP	9262	0.03	0.20	0.0	6.0
S14CONDSP	9182	0.02	0.19	0.0	5.0
S15CONDSP	8321	0.09	0.35	0.0	7.0
S16CONDSP	6619	0.08	0.38	0.0	6.0

Categorical Variable Codes

RwHIBPS: R had hi BP since last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW	8219	270	5091	264	227	3472	208	143	6439	
0.No	11035	17089	15578	18425	16946	15803	17338	16205	14837	
1.Yes	388	632	715	889	992	854	923	869	758	

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW	331	178	4558	181	172	2760
0.No	19421	17924	15732	16374	15021	12499
1.Yes	802	645	622	591	530	528

SwHIBPS: S had hi BP since last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW		4348	240	3504	246	210	2485	199	139	4096
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.No		8449	11301	10020	11895	10809	9963	10937	9986	8964
1.Yes		293	376	456	589	620	524	599	521	453

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW	313	167	2517	176	156	1221
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	11681	10488	8913	8866	8014	6347
1.Yes	490	357	349	316	307	272

RwDIABS: R had diabetes since last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW		8219	270	5091	264	227	3472	208	143	6439
0.No		11229	17379	15973	18889	17413	16230	17749	16636	15087
1.Yes		194	342	320	425	525	427	512	438	508

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW	331	178	4558	181	172	2760
0.No	19721	18101	15776	16493	15107	12563
1.Yes	502	468	578	472	444	464

SwDIABS: S had diabetes since last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW		4348	240	3504	246	210	2485	199	139	4096
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.No		8607	11462	10287	12203	11090	10219	11218	10233	9099
1.Yes		135	215	189	281	339	268	318	274	318

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW	313	167	2517	176	156	1221
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	11885	10571	8931	8912	8080	6379
1.Yes	286	274	331	270	241	240

RwCANCRS: R had cancer since last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW		8219	270	5091	264	227	3472	208	143	6439
0.No		11284	17377	15913	18908	17480	16268	17855	16665	15186
1.Yes		139	344	380	406	458	389	406	409	409

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW	331	178	4558	181	172	2760
0.No	19810	18201	15985	16653	15234	12714
1.Yes	413	368	369	312	317	313

SwCANCRS: S had cancer since last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW		4348	240	3504	246	210	2485	199	139	4096
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.No		8635	11447	10230	12227	11141	10239	11285	10257	9153
1.Yes		107	230	246	257	288	248	251	250	264

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW	313	167	2517	176	156	1221
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	11923	10607	9054	8997	8159	6462
1.Yes	248	238	208	185	162	157

RwLUNGS: R had lung dis since last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW		8219	270	5091	264	227	3472	208	143	6439
0.No		11271	17522	16035	19033	17639	16365	17970	16780	15294
1.Yes		152	199	258	281	299	292	291	294	301

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW	331	178	4558	181	172	2760
0.No	19905	18290	16047	16702	15308	12844
1.Yes	318	279	307	263	243	183

SwLUNGS: S had lung dis since last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW		4348	240	3504	246	210	2485	199	139	4096
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.No		8636	11558	10337	12310	11277	10314	11368	10352	9266
1.Yes		106	119	139	174	152	173	168	155	151

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW	313	167	2517	176	156	1221
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	12012	10710	9113	9076	8214	6554
1.Yes	159	135	149	106	107	65

RwHEARTS: R had heart prob snce lastIW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW		8219	270	5091	264	227	3472	208	143	6439
0.No		11173	17123	15728	18700	17275	16026	17641	16513	14931
1.Yes		250	598	565	614	663	631	620	561	664

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW	331	178	4558	181	172	2760
0.No	19609	17976	15773	16458	15079	12464
1.Yes	614	593	581	507	472	563

SwHEARTS: S had heart prob snce lastIW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW		4348	240	3504	246	210	2485	199	139	4096
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.No		8553	11317	10122	12124	11049	10130	11174	10179	9053
1.Yes		189	360	354	360	380	357	362	328	364

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW	313	167	2517	176	156	1221
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	11838	10532	8970	8919	8096	6355
1.Yes	333	313	292	263	225	264

RwSTROKS: R had stroke since last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW		8219	270	5091	264	227	3472	208	143	6439
0.No		11348	17370	15960	18951	17569	16346	17936	16778	15247
1.Yes		75	351	333	363	369	311	325	296	348

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW	331	178	4558	181	172	2760
0.No	19887	18274	16062	16738	15344	12804
1.Yes	336	295	292	227	207	223

SwSTROKS: S had stroke since last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW		4348	240	3504	246	210	2485	199	139	4096
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.No		8696	11495	10315	12296	11245	10343	11369	10368	9246
1.Yes		46	182	161	188	184	144	167	139	171

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW	313	167	2517	176	156	1221
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	12013	10705	9129	9073	8233	6527
1.Yes	158	140	133	109	88	92

RwPSYCHS: R had psych prob snce lastIW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW		8219	270	5091	264	227	3472	208	143	6439
0.No		11212	17331	15967	18953	17520	16303	17818	16730	15265
1.Yes		211	390	326	361	418	354	443	344	330

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW	331	178	4558	181	172	2760
0.No	19791	18215	15995	16610	15271	12790
1.Yes	432	354	359	355	280	237

SwPSYCHS: S had psych prob snce lastIW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW		4348	240	3504	246	210	2485	199	139	4096
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.No		8596	11468	10317	12282	11209	10304	11280	10327	9247
1.Yes		146	209	159	202	220	183	256	180	170

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW	313	167	2517	176	156	1221
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	11949	10672	9099	9014	8197	6521
1.Yes	222	173	163	168	124	98

RwARTHRS: R had arthritis snce last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW		8219	270	5091	264	227	3472	208	143	6439
0.No		10777	15311	15202	18293	16968	15897	17505	16373	14950
1.Yes		646	2410	1091	1021	970	760	756	701	645

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW	331	178	4558	181	172	2760
0.No	19395	17863	15677	16242	14963	12512
1.Yes	828	706	677	723	588	515

SwARTHRS: S had arthritis snce last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW		4348	240	3504	246	210	2485	199	139	4096
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.No		8249	10360	9806	11822	10782	9986	11033	10049	9009
1.Yes		493	1317	670	662	647	501	503	458	408

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW	313	167	2517	176	156	1221
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	11661	10426	8862	8788	8000	6352
1.Yes	510	419	400	394	321	267

RwSLEEPS: R had sleep disorder snce last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW				542	402	2843
0.No				16073	14920	12584
1.Yes				531	401	360

SwSLEEPS: S had sleep disorder snce last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW				334	259	1257
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
0.No				8729	7993	6405
1.Yes				295	225	178

RwCONDSP: Flag Prv IVW not Wv-1/since

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prv IW		8219	270	5091	264	227	3472	208	143	6439
0.Used IW-1		11423	17354	15761	18859	17225	16204	17823	16493	15031
1.Used IW-2			367	413	298	485	276	255	405	292
2.Used IW-3				119	114	120	87	114	91	139
3.Used IW-4					43	71	47	39	53	60
4.Used IW-5						37	27	17	16	39
5.Used IW-6							16	9	5	18
6.Used IW-7								4	6	11
7.Used IW-8									5	2
8.Used IW-9										3
9.Used IW-10										

Value	w11	w12	w13	w14	w15	w16
.P=No prv IW	331	178	4558	181	172	2760
0.Used IW-1	19783	18075	15908	16604	14257	12168
1.Used IW-2	258	365	343	265	1064	524
2.Used IW-3	89	73	80	69	169	252
3.Used IW-4	56	26	14	19	48	57
4.Used IW-5	17	17	3	5	10	16
5.Used IW-6	7	4	2	2	2	7
6.Used IW-7	3	5	3	1		2
7.Used IW-8	4	3	1		1	

8.Used IW-9	4	1								
9.Used IW-10	2					1				

SwCONDSP: Flag Prv IVW not Wv-1/since

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prv IW		4348	240	3504	246	210	2485	199	139	4096
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.Used IW-1		8742	11435	10180	12240	11042	10260	11318	10234	9115
1.Used IW-2			242	229	164	279	133	121	201	154
2.Used IW-3				67	62	55	43	64	41	80
3.Used IW-4					18	38	22	21	17	32
4.Used IW-5						15	16	8	8	23
5.Used IW-6							13		5	6
6.Used IW-7								4		5
7.Used IW-8									1	
8.Used IW-9										2
9.Used IW-10										

Value	w11	w12	w13	w14	w15	w16
.P=No prv IW	313	167	2517	176	156	1221
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Used IW-1	11934	10612	9080	9024	7750	6288
1.Used IW-2	145	175	149	120	468	208
2.Used IW-3	44	36	24	31	76	87
3.Used IW-4	33	12	5	3	23	25
4.Used IW-5	11	9	1	3	2	6
5.Used IW-6	2		2	1	1	4
6.Used IW-7		1	1			1
7.Used IW-8					1	
8.Used IW-9						
9.Used IW-10	2					

How Constructed

The change in health measures were chosen for their consistency across waves. They include measures of overall health, functional limitation summaries, doctor-diagnosed health conditions, and assessment of mortality measures.

They are calculated as the current wave less the previous interview measures. If the Respondent missed an interview due to non-response, the change is between the current and the last interview that the Respondent did respond to. A flag for each change variable indicates how many interviews were missed prior to the current.

For further discussion of the Change in Health variables see the section titled "Health Change" earlier in this document.

RwHIBPS, RwDIABS, RwCANCRS, RwLUNGS, RwHEARTS, RwSTROKS, RwPSYCHS, RwARTHRS, and RwSLEEPS indicate if the Respondent has reported the onset of a condition since the last interview to which they responded. They are set to "yes" only if the condition is new since last interview, that is, the Respondent reported not having the condition at the last interview but says they have it now. If this is the Respondent's first interview, then these variables are set to .P to indicate no previous interview.

RwCONDS is the count of the new individual conditions. RwCONDSF counts the number of values that were changed due to disputes. RwCONDSP tells which prior interview was used. These variables only include the eight original "ever had" conditions as RwSLEEPS was first asked in Wave 13.

SwHIBPS, SwDIABS, SwCANCRS, SwLUNGS, SwHEARTS, SwSTROKS, SwPSYCHS, SwARTHRS, SwCONDS, SwCONDSP,

SwCONDSF, and SLEEPS are this information for the Respondent's spouse or partner.

Not all individuals respond to every interview. Respondents may miss one or more interviews between those they complete. RwCONDSP indicates if there are any missed interviews prior to the current, and if so, how many. In other words, it indicates how far back the previous interview is, from which the change is measured. For example, a value of zero (0) indicates the Respondent did not miss the previous interview and change = current - [current-1]; a value of one (1) indicates the Respondent missed the previous interview, but only one and change = current - [current-2]; a value of two (2) indicates the Respondent missed the two previous interviews and change = current - [current-3]; et cetera. If this is the Respondent's first interview, then RwCONDS and RwCONDSP are set to .P to indicate no previous interview.

Please see the sections on "Doctor diagnosed health problems" earlier in this section for a description of related "ever had" variables, the raw HRS variables, and cross-wave differences.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3CONDS is taken from the Wave 3 spouse's R3CONDS.

Cross Wave Differences in Original HRS Data

Please see the documentation of the variables used to derive these change-in-health variables for a description of cross-wave differences in the raw HRS data.

Change in Health: Memory-related disease

Wave	Variable	Label	Type
5	R5MEMRYS	R5MEMRYS:W5 R had memory prob snce last IW	Categ
6	R6MEMRYS	R6MEMRYS:W6 R had memory prob snce last IW	Categ
7	R7MEMRYS	R7MEMRYS:W7 R had memory prob snce last IW	Categ
8	R8MEMRYS	R8MEMRYS:W8 R had memory prob snce last IW	Categ
9	R9MEMRYS	R9MEMRYS:W9 R had memory prob snce last IW	Categ
5	S5MEMRYS	S5MEMRYS:W5 S had memory prob snce last IW	Categ
6	S6MEMRYS	S6MEMRYS:W6 S had memory prob snce last IW	Categ
7	S7MEMRYS	S7MEMRYS:W7 S had memory prob snce last IW	Categ
8	S8MEMRYS	S8MEMRYS:W8 S had memory prob snce last IW	Categ
9	S9MEMRYS	S9MEMRYS:W9 S had memory prob snce last IW	Categ
11	R11ALZHES	R11ALZHES:W11 R had Alzheimer onset snce last IW	Categ
12	R12ALZHES	R12ALZHES:W12 R had Alzheimer onset snce last IW	Categ
13	R13ALZHES	R13ALZHES:W13 R had Alzheimer onset snce last IW	Categ
14	R14ALZHES	R14ALZHES:W14 R had Alzheimer onset snce last IW	Categ
15	R15ALZHES	R15ALZHES:W15 R had Alzheimer onset snce last IW	Categ
16	R16ALZHES	R16ALZHES:W16 R had Alzheimer onset snce last IW	Categ
11	S11ALZHES	S11ALZHES:W11 S had Alzheimer onset snce last IW	Categ
12	S12ALZHES	S12ALZHES:W12 S had Alzheimer onset snce last IW	Categ
13	S13ALZHES	S13ALZHES:W13 S had Alzheimer onset snce last IW	Categ
14	S14ALZHES	S14ALZHES:W14 S had Alzheimer onset snce last IW	Categ
15	S15ALZHES	S15ALZHES:W15 S had Alzheimer onset snce last IW	Categ
16	S16ALZHES	S16ALZHES:W16 S had Alzheimer onset snce last IW	Categ
11	R11DEMENS	R11DEMENS:W11 R had dementia onset snce last IW	Categ
12	R12DEMENS	R12DEMENS:W12 R had dementia onset snce last IW	Categ
13	R13DEMENS	R13DEMENS:W13 R had dementia onset snce last IW	Categ
14	R14DEMENS	R14DEMENS:W14 R had dementia onset snce last IW	Categ
15	R15DEMENS	R15DEMENS:W15 R had dementia onset snce last IW	Categ
16	R16DEMENS	R16DEMENS:W16 R had dementia onset snce last IW	Categ
11	S11DEMENS	S11DEMENS:W11 S had dementia onset snce last IW	Categ
12	S12DEMENS	S12DEMENS:W12 S had dementia onset snce last IW	Categ
13	S13DEMENS	S13DEMENS:W13 S had dementia onset snce last IW	Categ
14	S14DEMENS	S14DEMENS:W14 S had dementia onset snce last IW	Categ
15	S15DEMENS	S15DEMENS:W15 S had dementia onset snce last IW	Categ
16	S16DEMENS	S16DEMENS:W16 S had dementia onset snce last IW	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R5MEMRYS	18852	0.02	0.13	0.0	1.0
R6MEMRYS	17698	0.02	0.14	0.0	1.0
R7MEMRYS	16553	0.02	0.15	0.0	1.0
R8MEMRYS	18212	0.02	0.14	0.0	1.0
R9MEMRYS	17058	0.02	0.15	0.0	1.0
S5MEMRYS	12235	0.01	0.11	0.0	1.0
S6MEMRYS	11317	0.01	0.11	0.0	1.0
S7MEMRYS	10432	0.01	0.12	0.0	1.0
S8MEMRYS	11516	0.01	0.12	0.0	1.0
S9MEMRYS	10501	0.02	0.12	0.0	1.0
R11ALZHES	19783	0.01	0.08	0.0	1.0
R12ALZHES	18440	0.01	0.08	0.0	1.0
R13ALZHES	16331	0.01	0.09	0.0	1.0

R14ALZHES	16957	0.01	0.08	0.0	1.0
R15ALZHES	15548	0.01	0.08	0.0	1.0
R16ALZHES	13024	0.01	0.09	0.0	1.0
S11ALZHES	11934	0.00	0.06	0.0	1.0
S12ALZHES	10787	0.00	0.07	0.0	1.0
S13ALZHES	9253	0.01	0.07	0.0	1.0
S14ALZHES	9178	0.00	0.07	0.0	1.0
S15ALZHES	8319	0.01	0.07	0.0	1.0
S16ALZHES	6618	0.00	0.07	0.0	1.0
R11DEMENS	19783	0.02	0.13	0.0	1.0
R12DEMENS	18440	0.02	0.13	0.0	1.0
R13DEMENS	16331	0.02	0.14	0.0	1.0
R14DEMENS	16957	0.01	0.12	0.0	1.0
R15DEMENS	15548	0.01	0.12	0.0	1.0
R16DEMENS	13024	0.02	0.13	0.0	1.0
S11DEMENS	11934	0.01	0.10	0.0	1.0
S12DEMENS	10787	0.01	0.11	0.0	1.0
S13DEMENS	9253	0.01	0.11	0.0	1.0
S14DEMENS	9178	0.01	0.11	0.0	1.0
S15DEMENS	8319	0.01	0.10	0.0	1.0
S16DEMENS	6618	0.01	0.10	0.0	1.0

Categorical Variable Codes

RwMEMRYS: R had memory prob snce last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA					6	11	13	14		
.M=Oth missing								1		
.P=No prev IW					719	455	3562	238	159	
.R=RF					1	1	1	4		
0.No					18523	17358	16178	17873	16684	
1.Yes					329	340	375	339	374	

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA						
.M=Oth missing						
.P=No prev IW						
.R=RF						
0.No						
1.Yes						

SwMEMRYS: S had memory prob snce last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA					5	3	4	6		
.P=No prev IW					490	318	2536	211	145	
.R=RF						1		2		
.U=Unmarried					6537	6306	6777	6417	6206	
.V=Spouse NR					311	220	380	317	365	
0.No					12091	11182	10279	11357	10337	
1.Yes					144	135	153	159	164	

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA						
.P=No prev IW						
.R=RF						
.U=Unmarried						
.V=Spouse NR						
0.No						
1.Yes						

RwALZHES: R had Alzheimer onset snce last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW	771	307	4581	189	175	2763
0.No	19648	18312	16197	16856	15456	12928
1.Yes	135	128	134	101	92	96

SwALZHES: S had Alzheimer onset snce last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW	550	225	2526	180	158	1222
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	11887	10735	9206	9134	8277	6588
1.Yes	47	52	47	44	42	30

RwDEMENS: R had dementia onset snce last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW	771	307	4581	189	175	2763
0.No	19448	18140	16010	16728	15326	12809
1.Yes	335	300	321	229	222	215

SwDEMENS: S had dementia onset snce last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prev IW										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.P=No prev IW	550	225	2526	180	158	1222
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	11805	10666	9130	9074	8233	6548
1.Yes	129	121	123	104	86	70

How Constructed

The change in health measures were chosen for their consistency across waves. They include measures of overall health, functional limitation summaries, doctor-diagnosed health conditions, and assessment of mortality measures.

They are calculated as the current wave less the previous interview measures. If the Respondent missed an interview due to non-response, the change is between the current and the last interview that the Respondent did respond to. A flag for each change variable indicates how many interviews were missed prior to the current.

For further discussion of the Change in Health variables see the section titled "Health Change" earlier in this document.

In Wave 10, the health questionnaire changed. Respondents are now asked if they have ever been told they have Alzheimer's disease or dementia rather than memory-related disease as in previous waves.

RwMEMRYS indicates if the Respondent has reported the onset of a memory-related disease since the last interview to which they responded. RwALZHES indicates if the Respondent has reported the onset of a Alzheimer's disease since the last interview to which they responded. RwDEMENS indicates if the Respondent has reported the onset of dementia since the last interview to which they responded. The variables are set to "yes" only if the condition is new since last interview, that is, the Respondent reported not having the condition at the last interview but says they have it now. If this is the Respondent's first interview, then these variables are set to .P to indicate no previous interview.

RwMEMRYS, RwALZHES, and RwDEMENS are included with the Change in Health variables along with those for other doctor-diagnosed health conditions, but is NOT included in the sum of those, i.e., RwCONDS. The question about memory-related disease is first asked in Wave 4, so RwMEMRYS begins in Wave 5. The questions about Alzheimer's and dementia begin in Wave 10, so RwALZHES and RwDEMENS begin in Wave 11.

SwMEMRYS, SwALZHES, and SwDEMENS are the information for the Respondent's spouse. It is taken from the Wave "w" spouse's self-reported information, e.g., S5MEMRYS is taken from the Wave 5 spouse's R5MEMRYS.

Please see the section on "Doctor diagnosed health problems: Memory-related disease" earlier in this section for a description of related "ever had" variables, the raw HRS variables, and cross-wave differences.

Cross Wave Differences in Original HRS Data

Please see the documentation of the variables used to derive this change-in-health variable for a description of cross-wave differences in the raw HRS data.

Section E: Health Conditions, Treatments, and Medication

Diabetes: Treatment and disease progression

Wave	Variable	Label	Type
1	R1DBORLMED	R1DBORLMED:W1 R reports taking oral meds for diabetes	Categ
2	R2DBORLMED	R2DBORLMED:W2 R reports taking oral meds for diabetes	Categ
3	R3DBORLMED	R3DBORLMED:W3 R reports taking oral meds for diabetes	Categ
4	R4DBORLMED	R4DBORLMED:W4 R reports taking oral meds for diabetes	Categ
5	R5DBORLMED	R5DBORLMED:W5 R reports taking oral meds for diabetes	Categ
6	R6DBORLMED	R6DBORLMED:W6 R reports taking oral meds for diabetes	Categ
7	R7DBORLMED	R7DBORLMED:W7 R reports taking oral meds for diabetes	Categ
8	R8DBORLMED	R8DBORLMED:W8 R reports taking oral meds for diabetes	Categ
9	R9DBORLMED	R9DBORLMED:W9 R reports taking oral meds for diabetes	Categ
10	R10DBORLMED	R10DBORLMED:W10 R reports taking oral meds for diabetes	Categ
11	R11DBORLMED	R11DBORLMED:W11 R reports taking oral meds for diabetes	Categ
12	R12DBORLMED	R12DBORLMED:W12 R reports taking oral meds for diabetes	Categ
13	R13DBORLMED	R13DBORLMED:W13 R reports taking oral meds for diabetes	Categ
14	R14DBORLMED	R14DBORLMED:W14 R reports taking oral meds for diabetes	Categ
15	R15DBORLMED	R15DBORLMED:W15 R reports taking oral meds for diabetes	Categ
16	R16DBORLMED	R16DBORLMED:W16 R reports taking oral meds for diabetes	Categ
1	S1DBORLMED	S1DBORLMED:W1 S reports taking oral meds for diabetes	Categ
2	S2DBORLMED	S2DBORLMED:W2 S reports taking oral meds for diabetes	Categ
3	S3DBORLMED	S3DBORLMED:W3 S reports taking oral meds for diabetes	Categ
4	S4DBORLMED	S4DBORLMED:W4 S reports taking oral meds for diabetes	Categ
5	S5DBORLMED	S5DBORLMED:W5 S reports taking oral meds for diabetes	Categ
6	S6DBORLMED	S6DBORLMED:W6 S reports taking oral meds for diabetes	Categ
7	S7DBORLMED	S7DBORLMED:W7 S reports taking oral meds for diabetes	Categ
8	S8DBORLMED	S8DBORLMED:W8 S reports taking oral meds for diabetes	Categ
9	S9DBORLMED	S9DBORLMED:W9 S reports taking oral meds for diabetes	Categ
10	S10DBORLMED	S10DBORLMED:W10 S reports taking oral meds for diabetes	Categ
11	S11DBORLMED	S11DBORLMED:W11 S reports taking oral meds for diabetes	Categ
12	S12DBORLMED	S12DBORLMED:W12 S reports taking oral meds for diabetes	Categ
13	S13DBORLMED	S13DBORLMED:W13 S reports taking oral meds for diabetes	Categ
14	S14DBORLMED	S14DBORLMED:W14 S reports taking oral meds for diabetes	Categ
15	S15DBORLMED	S15DBORLMED:W15 S reports taking oral meds for diabetes	Categ
16	S16DBORLMED	S16DBORLMED:W16 S reports taking oral meds for diabetes	Categ
1	R1DBINSULN	R1DBINSULN:W1 R reports taking insulin for diabetes	Categ
2	R2DBINSULN	R2DBINSULN:W2 R reports taking insulin for diabetes	Categ
3	R3DBINSULN	R3DBINSULN:W3 R reports taking insulin for diabetes	Categ
4	R4DBINSULN	R4DBINSULN:W4 R reports taking insulin for diabetes	Categ
5	R5DBINSULN	R5DBINSULN:W5 R reports taking insulin for diabetes	Categ
6	R6DBINSULN	R6DBINSULN:W6 R reports taking insulin for diabetes	Categ
7	R7DBINSULN	R7DBINSULN:W7 R reports taking insulin for diabetes	Categ
8	R8DBINSULN	R8DBINSULN:W8 R reports taking insulin for diabetes	Categ
9	R9DBINSULN	R9DBINSULN:W9 R reports taking insulin for diabetes	Categ
10	R10DBINSULN	R10DBINSULN:W10 R reports taking insulin for diabetes	Categ
11	R11DBINSULN	R11DBINSULN:W11 R reports taking insulin for diabetes	Categ
12	R12DBINSULN	R12DBINSULN:W12 R reports taking insulin for diabetes	Categ
13	R13DBINSULN	R13DBINSULN:W13 R reports taking insulin for diabetes	Categ
14	R14DBINSULN	R14DBINSULN:W14 R reports taking insulin for diabetes	Categ
15	R15DBINSULN	R15DBINSULN:W15 R reports taking insulin for diabetes	Categ
16	R16DBINSULN	R16DBINSULN:W16 R reports taking insulin for diabetes	Categ
1	S1DBINSULN	S1DBINSULN:W1 S reports taking insulin for diabetes	Categ
2	S2DBINSULN	S2DBINSULN:W2 S reports taking insulin for diabetes	Categ
3	S3DBINSULN	S3DBINSULN:W3 S reports taking insulin for diabetes	Categ
4	S4DBINSULN	S4DBINSULN:W4 S reports taking insulin for diabetes	Categ
5	S5DBINSULN	S5DBINSULN:W5 S reports taking insulin for diabetes	Categ
6	S6DBINSULN	S6DBINSULN:W6 S reports taking insulin for diabetes	Categ
7	S7DBINSULN	S7DBINSULN:W7 S reports taking insulin for diabetes	Categ
8	S8DBINSULN	S8DBINSULN:W8 S reports taking insulin for diabetes	Categ
9	S9DBINSULN	S9DBINSULN:W9 S reports taking insulin for diabetes	Categ
10	S10DBINSULN	S10DBINSULN:W10 S reports taking insulin for diabetes	Categ
11	S11DBINSULN	S11DBINSULN:W11 S reports taking insulin for diabetes	Categ
12	S12DBINSULN	S12DBINSULN:W12 S reports taking insulin for diabetes	Categ
13	S13DBINSULN	S13DBINSULN:W13 S reports taking insulin for diabetes	Categ
14	S14DBINSULN	S14DBINSULN:W14 S reports taking insulin for diabetes	Categ
15	S15DBINSULN	S15DBINSULN:W15 S reports taking insulin for diabetes	Categ

16	S16DBINSULN	S16DBINSULN:W16 S reports taking insulin for diabetes	Categ
1	R1DBDIAGYR	R1DBDIAGYR:W1 R year diabetes first diagnosed	Categ
7	R7DBDIAGYR	R7DBDIAGYR:W7 R year diabetes first diagnosed	Categ
8	R8DBDIAGYR	R8DBDIAGYR:W8 R year diabetes first diagnosed	Categ
9	R9DBDIAGYR	R9DBDIAGYR:W9 R year diabetes first diagnosed	Categ
10	R10DBDIAGYR	R10DBDIAGYR:W10 R year diabetes first diagnosed	Categ
11	R11DBDIAGYR	R11DBDIAGYR:W11 R year diabetes first diagnosed	Categ
12	R12DBDIAGYR	R12DBDIAGYR:W12 R year diabetes first diagnosed	Categ
13	R13DBDIAGYR	R13DBDIAGYR:W13 R year diabetes first diagnosed	Categ
14	R14DBDIAGYR	R14DBDIAGYR:W14 R year diabetes first diagnosed	Categ
15	R15DBDIAGYR	R15DBDIAGYR:W15 R year diabetes first diagnosed	Categ
16	R16DBDIAGYR	R16DBDIAGYR:W16 R year diabetes first diagnosed	Categ
1	S1DBDIAGYR	S1DBDIAGYR:W1 S year diabetes first diagnosed	Categ
7	S7DBDIAGYR	S7DBDIAGYR:W7 S year diabetes first diagnosed	Categ
8	S8DBDIAGYR	S8DBDIAGYR:W8 S year diabetes first diagnosed	Categ
9	S9DBDIAGYR	S9DBDIAGYR:W9 S year diabetes first diagnosed	Categ
10	S10DBDIAGYR	S10DBDIAGYR:W10 S year diabetes first diagnosed	Categ
11	S11DBDIAGYR	S11DBDIAGYR:W11 S year diabetes first diagnosed	Categ
12	S12DBDIAGYR	S12DBDIAGYR:W12 S year diabetes first diagnosed	Categ
13	S13DBDIAGYR	S13DBDIAGYR:W13 S year diabetes first diagnosed	Categ
14	S14DBDIAGYR	S14DBDIAGYR:W14 S year diabetes first diagnosed	Categ
15	S15DBDIAGYR	S15DBDIAGYR:W15 S year diabetes first diagnosed	Categ
16	S16DBDIAGYR	S16DBDIAGYR:W16 S year diabetes first diagnosed	Categ
1	RADBDIAGYF	RADBDIAGYF: R reported prob DG date	Categ
1	S1DBDIAGYF	S1DBDIAGYF: S reported prob DG date	Categ
2	S2DBDIAGYF	S2DBDIAGYF: S reported prob DG date	Categ
3	S3DBDIAGYF	S3DBDIAGYF: S reported prob DG date	Categ
4	S4DBDIAGYF	S4DBDIAGYF: S reported prob DG date	Categ
5	S5DBDIAGYF	S5DBDIAGYF: S reported prob DG date	Categ
6	S6DBDIAGYF	S6DBDIAGYF: S reported prob DG date	Categ
7	S7DBDIAGYF	S7DBDIAGYF: S reported prob DG date	Categ
8	S8DBDIAGYF	S8DBDIAGYF: S reported prob DG date	Categ
9	S9DBDIAGYF	S9DBDIAGYF: S reported prob DG date	Categ
10	S10DBDIAGYF	S10DBDIAGYF: S reported prob DG date	Categ
11	S11DBDIAGYF	S11DBDIAGYF: S reported prob DG date	Categ
12	S12DBDIAGYF	S12DBDIAGYF: S reported prob DG date	Categ
13	S13DBDIAGYF	S13DBDIAGYF: S reported prob DG date	Categ
14	S14DBDIAGYF	S14DBDIAGYF: S reported prob DG date	Categ
15	S15DBDIAGYF	S15DBDIAGYF: S reported prob DG date	Categ
16	S16DBDIAGYF	S16DBDIAGYF: S reported prob DG date	Categ
13	R13DBSTAGE	R13DBSTAGE:W13 R stage of diabetes	Categ
14	R14DBSTAGE	R14DBSTAGE:W14 R stage of diabetes	Categ
15	R15DBSTAGE	R15DBSTAGE:W15 R stage of diabetes	Categ
16	R16DBSTAGE	R16DBSTAGE:W16 R stage of diabetes	Categ
13	S13DBSTAGE	S13DBSTAGE:W13 S stage of diabetes	Categ
14	S14DBSTAGE	S14DBSTAGE:W14 S stage of diabetes	Categ
15	S15DBSTAGE	S15DBSTAGE:W15 S stage of diabetes	Categ
16	S16DBSTAGE	S16DBSTAGE:W16 S stage of diabetes	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DBORLMED	1390	0.47	0.50	0.0	1.0
R2DBORLMED	1365	0.61	0.49	0.0	1.0
R3DBORLMED	2478	0.54	0.50	0.0	1.0
R4DBORLMED	3040	0.61	0.49	0.0	1.0
R5DBORLMED	3010	0.67	0.47	0.0	1.0
R6DBORLMED	3192	0.70	0.46	0.0	1.0
R7DBORLMED	3612	0.72	0.45	0.0	1.0

R8DBORLMED	3717	0.73	0.45	0.0	1.0
R9DBORLMED	3767	0.73	0.44	0.0	1.0
R10DBORLMED	4931	0.73	0.45	0.0	1.0
R11DBORLMED	4801	0.73	0.45	0.0	1.0
R12DBORLMED	4619	0.72	0.45	0.0	1.0
R13DBORLMED	5335	0.70	0.46	0.0	1.0
R14DBORLMED	4616	0.70	0.46	0.0	1.0
R15DBORLMED	4393	0.69	0.46	0.0	1.0
R16DBORLMED	4719	0.70	0.46	0.0	1.0
S1DBORLMED	1023	0.47	0.50	0.0	1.0
S2DBORLMED	755	0.59	0.49	0.0	1.0
S3DBORLMED	1544	0.55	0.50	0.0	1.0
S4DBORLMED	1867	0.62	0.48	0.0	1.0
S5DBORLMED	1871	0.68	0.47	0.0	1.0
S6DBORLMED	1979	0.71	0.46	0.0	1.0
S7DBORLMED	2244	0.72	0.45	0.0	1.0
S8DBORLMED	2245	0.73	0.44	0.0	1.0
S9DBORLMED	2244	0.74	0.44	0.0	1.0
S10DBORLMED	2943	0.74	0.44	0.0	1.0
S11DBORLMED	2792	0.75	0.43	0.0	1.0
S12DBORLMED	2623	0.73	0.44	0.0	1.0
S13DBORLMED	2896	0.71	0.45	0.0	1.0
S14DBORLMED	2443	0.70	0.46	0.0	1.0
S15DBORLMED	2293	0.70	0.46	0.0	1.0
S16DBORLMED	2242	0.71	0.45	0.0	1.0
R1DBINSULN	1390	0.26	0.44	0.0	1.0
R2DBINSULN	1364	0.26	0.44	0.0	1.0
R3DBINSULN	2478	0.30	0.46	0.0	1.0
R4DBINSULN	3043	0.27	0.45	0.0	1.0
R5DBINSULN	3007	0.26	0.44	0.0	1.0
R6DBINSULN	3192	0.23	0.42	0.0	1.0
R7DBINSULN	3613	0.22	0.42	0.0	1.0
R8DBINSULN	3717	0.23	0.42	0.0	1.0
R9DBINSULN	3772	0.23	0.42	0.0	1.0
R10DBINSULN	4928	0.23	0.42	0.0	1.0
R11DBINSULN	4801	0.25	0.43	0.0	1.0
R12DBINSULN	4619	0.25	0.43	0.0	1.0
R13DBINSULN	4508	0.29	0.45	0.0	1.0
R14DBINSULN	3330	0.24	0.43	0.0	1.0
R15DBINSULN	3496	0.27	0.45	0.0	1.0
R16DBINSULN	3961	0.29	0.45	0.0	1.0
S1DBINSULN	1023	0.24	0.43	0.0	1.0
S2DBINSULN	755	0.25	0.43	0.0	1.0
S3DBINSULN	1544	0.28	0.45	0.0	1.0
S4DBINSULN	1869	0.26	0.44	0.0	1.0
S5DBINSULN	1869	0.26	0.44	0.0	1.0
S6DBINSULN	1978	0.22	0.41	0.0	1.0
S7DBINSULN	2243	0.21	0.41	0.0	1.0
S8DBINSULN	2246	0.21	0.41	0.0	1.0
S9DBINSULN	2248	0.22	0.42	0.0	1.0
S10DBINSULN	2941	0.22	0.41	0.0	1.0
S11DBINSULN	2792	0.24	0.43	0.0	1.0
S12DBINSULN	2624	0.24	0.43	0.0	1.0
S13DBINSULN	2446	0.28	0.45	0.0	1.0
S14DBINSULN	1765	0.23	0.42	0.0	1.0
S15DBINSULN	1793	0.26	0.44	0.0	1.0

S16DBINSULN	1869	0.27	0.44	0.0	1.0
R1DBDIAGYR	1390	1982.80	9.17	1932.0	1993.0
R7DBDIAGYR	2394	1991.07	11.47	1919.0	2004.0
R8DBDIAGYR	2796	1994.07	11.75	1919.0	2007.0
R9DBDIAGYR	3023	1996.46	11.42	1932.0	2009.0
R10DBDIAGYR	4343	1999.59	10.62	1932.0	2011.0
R11DBDIAGYR	4505	2001.08	10.43	1932.0	2013.0
R12DBDIAGYR	4471	2002.39	10.34	1926.0	2014.0
R13DBDIAGYR	4941	2003.16	10.16	1926.0	2018.0
R14DBDIAGYR	4236	2003.99	10.00	1940.0	2019.0
R15DBDIAGYR	3907	2004.96	9.91	1954.0	2021.0
R16DBDIAGYR	3915	2006.44	10.36	1950.0	2023.0
S1DBDIAGYR	1023	1982.54	9.34	1932.0	1993.0
S7DBDIAGYR	1515	1991.46	11.33	1919.0	2004.0
S8DBDIAGYR	1715	1994.51	11.66	1919.0	2007.0
S9DBDIAGYR	1820	1996.81	11.30	1932.0	2009.0
S10DBDIAGYR	2629	2000.07	10.31	1932.0	2011.0
S11DBDIAGYR	2648	2001.44	10.13	1932.0	2013.0
S12DBDIAGYR	2553	2002.81	10.07	1932.0	2014.0
S13DBDIAGYR	2690	2003.42	9.83	1949.0	2017.0
S14DBDIAGYR	2220	2004.07	9.89	1954.0	2019.0
S15DBDIAGYR	2004	2005.18	9.74	1954.0	2021.0
S16DBDIAGYR	1834	2006.82	10.02	1956.0	2023.0
RADBDIAGYF	45165	0.07	0.26	0.0	3.0
S1DBDIAGYF	10279	0.07	0.25	0.0	2.0
S2DBDIAGYF	13610	0.05	0.22	0.0	2.0
S3DBDIAGYF	12269	0.06	0.23	0.0	2.0
S4DBDIAGYF	14454	0.07	0.25	0.0	2.0
S5DBDIAGYF	13007	0.07	0.26	0.0	2.0
S6DBDIAGYF	11822	0.08	0.27	0.0	2.0
S7DBDIAGYF	13307	0.09	0.29	0.0	2.0
S8DBDIAGYF	12002	0.10	0.30	0.0	2.0
S9DBDIAGYF	10953	0.11	0.31	0.0	2.0
S10DBDIAGYF	14145	0.13	0.34	0.0	3.0
S11DBDIAGYF	12986	0.13	0.34	0.0	3.0
S12DBDIAGYF	11521	0.14	0.36	0.0	3.0
S13DBDIAGYF	12688	0.14	0.35	0.0	3.0
S14DBDIAGYF	10267	0.15	0.36	0.0	3.0
S15DBDIAGYF	9367	0.15	0.36	0.0	3.0
S16DBDIAGYF	8986	0.12	0.33	0.0	3.0
R13DBSTAGE	5347	1.59	1.25	1.0	10.0
R14DBSTAGE	4845	1.73	1.46	1.0	10.0
R15DBSTAGE	4527	1.76	1.49	1.0	10.0
R16DBSTAGE	4871	1.76	1.50	1.0	10.0
S13DBSTAGE	2905	1.60	1.25	1.0	10.0
S14DBSTAGE	2555	1.72	1.38	1.0	10.0
S15DBSTAGE	2362	1.77	1.42	1.0	10.0
S16DBSTAGE	2308	1.80	1.52	1.0	10.0

Categorical Variable Codes

RwDBORLMED: R reports taking oral meds for diabetes

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		6	2	3		2	2	2	7	106
.J=Web interview, missing										
.M=Missing										5
.R=RF										
.S=Skip	11262	18271	15511	18341	16568	14971	16515	14750	13443	16992
0.No	742	538	1139	1186	985	947	1016	1012	1014	1351
1.Yes	648	827	1339	1854	2025	2245	2596	2705	2753	3580

Value	w11	w12	w13	w14	w15	w16
.D=DK	134	119	83	6	50	47
.J=Web interview, missing					1	1
.M=Missing	1			120	9	8
.R=RF	1			4	2	
.S=Skip	15617	14009	15494	12400	11268	11012
0.No	1309	1289	1604	1395	1341	1427
1.Yes	3492	3330	3731	3221	3052	3292

SwDBORLMED: S reports taking oral meds for diabetes

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		5	2	2				1	4	66
.J=Web interview, missing										
.M=Missing										5
.R=RF										
.S=Skip	8877	12330	10371	12111	10859	9660	10728	9489	8398	10499
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	539	308	698	702	596	579	632	604	592	765
1.Yes	484	447	846	1165	1275	1400	1612	1641	1652	2178

Value	w11	w12	w13	w14	w15	w16
.D=DK	86	73	39	2	27	21
.J=Web interview, missing					1	1
.M=Missing	1			58	1	2
.R=RF	1			2	1	
.S=Skip	9604	8316	8844	6853	6154	5574
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	705	710	843	741	687	647
1.Yes	2087	1913	2053	1702	1606	1595

RwDBINSULN: R reports taking insulin for diabetes

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		6	2		3	2	1	2	2	109
.J=Web interview, missing										
.M=Missing										5
.R=RF		1								
.S=Skip	11262	18271	15511	18341	16568	14971	16515	14750	13443	16992
0.No	1029	1010	1734	2211	2224	2470	2811	2876	2887	3784
1.Yes	361	354	744	832	783	722	802	841	885	1144

Value	w11	w12	w13	w14	w15	w16
.D=DK	134	119	43	2	10	17
.J=Web interview, missing				1		3
.M=Missing	1		7	5		42
.R=RF	1				1	
.S=Skip	15617	14009	16354	13808	12216	11764
0.No	3585	3461	3191	2541	2542	2813
1.Yes	1216	1158	1317	789	954	1148

SwDBINSULN: S reports taking insulin for diabetes

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		5	2		2	1	1			68
.J=Web interview, missing										
.M=Missing										5
.R=RF										
.S=Skip	8877	12330	10371	12111	10859	9660	10728	9489	8398	10499
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	773	567	1109	1376	1392	1546	1777	1767	1746	2299
1.Yes	250	188	435	493	477	432	466	479	502	642

Value	w11	w12	w13	w14	w15	w16
.D=DK	86	72	26	2	8	10
.J=Web interview, missing				1		1
.M=Missing	1		2	2		17
.R=RF	1					
.S=Skip	9604	8316	9305	7588	6676	5943
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	2124	1991	1749	1352	1325	1362
1.Yes	668	633	697	413	468	507

RADBDIAGYF: R reported prob DG date

Value	
0.No reported year conflict	41999
1.Different yrs reported	3156
2.Report prior to birthyr	3
3.Both reported yr problems	7

SwDBDIAGYF: reported prob DG date

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		64	65	62	34	37	45	50	58	92
0.No reported year conflict	9593	12929	11595	13509	12074	10861	12070	10810	9788	12370
1.Different yrs reported	684	679	672	943	931	959	1235	1190	1163	1768
2.Report prior to birthyr	2	2	2	2	2	2	2	2	2	2
3.Both reported yr problems										5

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	95	101	200	201	163	260
0.No reported year conflict	11270	9865	10927	8745	8010	7933
1.Different yrs reported	1710	1650	1755	1517	1352	1050
2.Report prior to birthyr	2	2	2	2	1	
3.Both reported yr problems	4	4	4	3	4	3

RwDBSTAGE: R stage of diabetes

Value	w11	w12	w13	w14	w15	w16
.D=DK			71	15	54	25
.J=Web interview, missing				3	3	
.M=Missing					1	2
.R=RF				4	2	2
.S=Skip			15494	12279	11136	10887
1.Has diabetes			3928	3510	3215	3419
2.Borderline diabetes			241	138	138	156
3.Pre-diabetes			967	846	858	1008
4.Blood sugar little high			146	128	118	96
5.Impaired glucose toleranc			8	3	2	
6.Had before, not now, no m				100	82	50
7.Never had nor high bld su				88	73	88
10.Other			57	32	41	54

SwDBSTAGE: S stage of diabetes

Value	w11	w12	w13	w14	w15	w16
.D=DK			30	8	23	15
.J=Web interview, missing					2	
.M=Missing					1	1
.R=RF				1		1
.S=Skip			8844	6794	6089	5515
.U=Unmarried			8024	6678	6193	6541
.V=Spouse NR			1109	1110	1053	1406
1.Has diabetes			2119	1829	1639	1588
2.Borderline diabetes			123	75	57	62
3.Pre-diabetes			561	484	501	514
4.Blood sugar little high			67	67	74	52
5.Impaired glucose toleranc			4	1		
6.Had before, not now, no m				45	43	29
7.Never had nor high bld su				43	34	35
10.Other			31	11	14	28

How Constructed

For Respondents who report having diabetes or high blood sugar (RwDIAB=1), they are asked a series of follow-up treatment and disease progression questions. In all waves, they are asked if they are taking medication that you swallow (RwDBORLMED) or using insulin shots or a pump (RwDBINSULN).

In Wave 1 and from Wave 7 forward, Respondents are asked in what year their diabetes was first diagnosed (RwDBDIAGYR). If multiple years are reported across waves, the earliest valid year is retained. Invalid years, such as those earlier than the Respondent's birth year, are coded as missing. If a Respondent reports two or more different years across waves or if they ever report a diagnosis prior to their birth year, they are flagged as having at least one problematic diagnosis year (RADBDIAGYF).

From Wave 13 forward, RwDBSTAGE gives the Respondent's answer to whether a doctor said they have diabetes or pre-diabetes, or some other blood-sugar-related problem. The response options include: diabetes; borderline diabetes; pre-diabetes; blood sugar is a little high; impaired glucose tolerance; or Respondents could specify "other" problem.

Respondents who do not report having diabetes or high blood pressure are not asked the follow-up treatment and disease progression questions and RwDBORLMED, RwDBINSULN, RwDBDIAGYR,and RwDBSTAGE are set to ".S=Skip."

SwDBORLMED, SwDBINSULN, SwDBSTAGE, SwDBDIAGYR and SwDBDIAGYF give this information for the Respondent's spouse or partner. The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S10DBORLMED is taken from the Wave 10 spouse's R10DBORLMED variable.

Please refer to the "Doctor diagnosed health problems: Raw Recodes and Question Wording" section for the documentation on RwDIAB (Respondent reports having diabetes or high blood sugar this wave).

Cross Wave Differences in Original HRS Data

In Waves 1 and 2, Respondents were asked if they were using "insulin injection" to treat or control their diabetes. Beginning in Wave 3, Respondents are asked, "Are you now using insulin shots or a pump?"

In Wave 1 and from Wave 7 forward, Respondents were asked in what year they were first diagnosed.

Beginning in Wave 13, Respondents are asked whether their doctor said they had diabetes or pre-diabetes, or some other

blood-sugar-related problem. If they did not report a diabetes diagnosis and were not taking oral medication, they were not asked about taking insulin. Beginning in Wave 14 for both the questions concerning blood-sugar-related problems and in response to whether they are now taking oral medications, Respondents could refute having ever had diabetes or high blood sugar or report they had diabetes but no longer have it and are not taking any medication for it.

Beginning in Wave 14, Respondents may dispute having ever had diabetes or high blood sugar or they can report having had diabetes or high blood sugar before but no longer have it and are not taking medication for it. At the C010 Branchpoint, Respondents should be skipped over the diabetes diagnosis question if they previously reported having diabetes or high blood sugar. The C010 Branchpoint relies on xZ102–PREV WAVE R HAS DIABETES preload variable. If a Respondent previously clarified they had a diabetes diagnosis, they are not asked the clarifying question ("...did the doctor say that you have diabetes or pre-diabetes, or some other blood-sugar-related problem?"). The C285 Branchpoint relies on xZ281–PW DIABETES preload variable. These two variables sometimes disagree causing unexpected skip patterns to occur.

HRS Variables Used

```
HRS 1992:
    V328            B7:EVER DIAB/HI BLD :IMP
    V329            B7A:YEAR 1ST DIAGNOS:IMP
    V335            B8C:MEDS YOU SWALLOW:IMP
    V336            B8D:INSULIN INJECTIO:IMP
AHEAD 1993:
    B219            B4. DIABETES: NOW
    B223            B4a.DIABETES: SWALLOW MEDICATION
    B224            B4b.DIABETES: INSULIN
HRS 1994:
    W331            B7.DIABETES/HIGH BLOOD S
    W337            B8c.ORAL MEDICATION
    W338            B8d.INSULIN INJECTIONS
AHEAD 1995:
    D788            B4. DIABETES
    D789            B4A.DIABETES SWALLOWED
    D790            B4B.DIABETES-INSULIN
HRS 1996:
    E788            B4. DIABETES
    E789            B4A.DIABETES SWALLOWED
    E790            B4B.DIABETES-INSULIN
HRS 1998:
    F1116           B4. DIABETES
    F1117           B4A.DIABETES SWALLOWED
    F1118           B4B.DIABETES-INSULIN
HRS 2000:
    G1245           B4. DIABETES
    G1248           B4A.DIABETES SWALLOWED
    G1249           B4B.DIABETES-INSULIN
HRS 2002-2022:
    xC010           DIABETES
    xC011           SWALLOWED MEDICATION FOR DIABETES
    xC012           TAKING INSULIN - DIABETES
HRS 2004-2022:
    xC214           YEAR DIABETES FIRST DIAGNOSED
HRS 2016-2022:
    xC285           STAGE OF DIABETES
```

Cancer: Treatment and disease progression

Wave	Variable	Label	Type
1	R1CANCRDR	R1CANCRDR:W1 Has R seen a dr abt cancer, prv 12 mos	Categ
2	R2CANCRDR	R2CANCRDR:W2 Has R seen a dr abt cancer, prv 12 mos	Categ
3	R3CANCRDR	R3CANCRDR:W3 Has R seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
4	R4CANCRDR	R4CANCRDR:W4 Has R seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
5	R5CANCRDR	R5CANCRDR:W5 Has R seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
6	R6CANCRDR	R6CANCRDR:W6 Has R seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
7	R7CANCRDR	R7CANCRDR:W7 Has R seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
8	R8CANCRDR	R8CANCRDR:W8 Has R seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
9	R9CANCRDR	R9CANCRDR:W9 Has R seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
10	R10CANCRDR	R10CANCRDR:W10 Has R seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
11	R11CANCRDR	R11CANCRDR:W11 Has R seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
12	R12CANCRDR	R12CANCRDR:W12 Has R seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
13	R13CANCRDR	R13CANCRDR:W13 Has R seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
14	R14CANCRDR	R14CANCRDR:W14 Has R seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
15	R15CANCRDR	R15CANCRDR:W15 Has R seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
16	R16CANCRDR	R16CANCRDR:W16 Has R seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
1	S1CANCRDR	S1CANCRDR:W1 Has S seen a dr abt cancer, prv 12 mos	Categ
2	S2CANCRDR	S2CANCRDR:W2 Has S seen a dr abt cancer, prv 12 mos	Categ
3	S3CANCRDR	S3CANCRDR:W3 Has S seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
4	S4CANCRDR	S4CANCRDR:W4 Has S seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
5	S5CANCRDR	S5CANCRDR:W5 Has S seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
6	S6CANCRDR	S6CANCRDR:W6 Has S seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
7	S7CANCRDR	S7CANCRDR:W7 Has S seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
8	S8CANCRDR	S8CANCRDR:W8 Has S seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
9	S9CANCRDR	S9CANCRDR:W9 Has S seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
10	S10CANCRDR	S10CANCRDR:W10 Has S seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
11	S11CANCRDR	S11CANCRDR:W11 Has S seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
12	S12CANCRDR	S12CANCRDR:W12 Has S seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
13	S13CANCRDR	S13CANCRDR:W13 Has S seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
14	S14CANCRDR	S14CANCRDR:W14 Has S seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
15	S15CANCRDR	S15CANCRDR:W15 Has S seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
16	S16CANCRDR	S16CANCRDR:W16 Has S seen a dr abt cancer, prv 2 yrs/since PrvIvw	Categ
3	R3CANCRTX	R3CANCRTX:W3 R had cancer treatment, prv 2 yrs/since PrvIvw	Categ
4	R4CANCRTX	R4CANCRTX:W4 R had cancer treatment, prv 2 yrs/since PrvIvw	Categ
5	R5CANCRTX	R5CANCRTX:W5 R had cancer treatment, prv 2 yrs/since PrvIvw	Categ
6	R6CANCRTX	R6CANCRTX:W6 R had cancer treatment, prv 2 yrs/since PrvIvw	Categ
7	R7CANCRTX	R7CANCRTX:W7 R had cancer treatment, prv 2 yrs/since PrvIvw	Categ
8	R8CANCRTX	R8CANCRTX:W8 R had cancer treatment, prv 2 yrs/since PrvIvw	Categ
9	R9CANCRTX	R9CANCRTX:W9 R had cancer treatment, prv 2 yrs/since PrvIvw	Categ
10	R10CANCRTX	R10CANCRTX:W10 R had cancer treatment, prv 2 yrs/since PrvIvw	Categ
11	R11CANCRTX	R11CANCRTX:W11 R had cancer treatment, prv 2 yrs/since PrvIvw	Categ
12	R12CANCRTX	R12CANCRTX:W12 R had cancer treatment, prv 2 yrs/since PrvIvw	Categ
13	R13CANCRTX	R13CANCRTX:W13 R had cancer treatment, prv 2 yrs/since PrvIvw	Categ
14	R14CANCRTX	R14CANCRTX:W14 R had cancer treatment, prv 2 yrs/since PrvIvw	Categ
15	R15CANCRTX	R15CANCRTX:W15 R had cancer treatment, prv 2 yrs/since PrvIvw	Categ
16	R16CANCRTX	R16CANCRTX:W16 R had cancer treatment, prv 2 yrs/since PrvIvw	Categ
3	S3CANCRTX	S3CANCRTX:W3 S had cancer treatment, prv 2 yrs/since PrvIvw	Categ
4	S4CANCRTX	S4CANCRTX:W4 S had cancer treatment, prv 2 yrs/since PrvIvw	Categ
5	S5CANCRTX	S5CANCRTX:W5 S had cancer treatment, prv 2 yrs/since PrvIvw	Categ
6	S6CANCRTX	S6CANCRTX:W6 S had cancer treatment, prv 2 yrs/since PrvIvw	Categ
7	S7CANCRTX	S7CANCRTX:W7 S had cancer treatment, prv 2 yrs/since PrvIvw	Categ
8	S8CANCRTX	S8CANCRTX:W8 S had cancer treatment, prv 2 yrs/since PrvIvw	Categ
9	S9CANCRTX	S9CANCRTX:W9 S had cancer treatment, prv 2 yrs/since PrvIvw	Categ
10	S10CANCRTX	S10CANCRTX:W10 S had cancer treatment, prv 2 yrs/since PrvIvw	Categ
11	S11CANCRTX	S11CANCRTX:W11 S had cancer treatment, prv 2 yrs/since PrvIvw	Categ
12	S12CANCRTX	S12CANCRTX:W12 S had cancer treatment, prv 2 yrs/since PrvIvw	Categ
13	S13CANCRTX	S13CANCRTX:W13 S had cancer treatment, prv 2 yrs/since PrvIvw	Categ
14	S14CANCRTX	S14CANCRTX:W14 S had cancer treatment, prv 2 yrs/since PrvIvw	Categ
15	S15CANCRTX	S15CANCRTX:W15 S had cancer treatment, prv 2 yrs/since PrvIvw	Categ
16	S16CANCRTX	S16CANCRTX:W16 S had cancer treatment, prv 2 yrs/since PrvIvw	Categ
1	R1CANCHEMO	R1CANCHEMO:W1 R cancer tx: Chemo or meds, prv 12 mos	Categ
2	R2CANCHEMO	R2CANCHEMO:W2 R cancer tx: Chemo or meds, prv 1-,2-yr(A,H)	Categ

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 3    R3CANCHEMO          R3CANCHEMO:W3 R cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw    Categ
 4    R4CANCHEMO          R4CANCHEMO:W4 R cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw    Categ
 5    R5CANCHEMO          R5CANCHEMO:W5 R cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw    Categ
 6    R6CANCHEMO          R6CANCHEMO:W6 R cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw    Categ
 7    R7CANCHEMO          R7CANCHEMO:W7 R cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw    Categ
 8    R8CANCHEMO          R8CANCHEMO:W8 R cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw    Categ
 9    R9CANCHEMO          R9CANCHEMO:W9 R cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw    Categ
10    R10CANCHEMO         R10CANCHEMO:W10 R cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw  Categ
11    R11CANCHEMO         R11CANCHEMO:W11 R cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw  Categ
12    R12CANCHEMO         R12CANCHEMO:W12 R cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw  Categ
13    R13CANCHEMO         R13CANCHEMO:W13 R cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw  Categ
14    R14CANCHEMO         R14CANCHEMO:W14 R cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw  Categ
15    R15CANCHEMO         R15CANCHEMO:W15 R cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw  Categ

 1    S1CANCHEMO          S1CANCHEMO:W1 S cancer tx: Chemo or meds, prv 12 mos                Categ
 2    S2CANCHEMO          S2CANCHEMO:W2 S cancer tx: Chemo or meds, prv 1-,2-yr(A,H)          Categ
 3    S3CANCHEMO          S3CANCHEMO:W3 S cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw    Categ
 4    S4CANCHEMO          S4CANCHEMO:W4 S cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw    Categ
 5    S5CANCHEMO          S5CANCHEMO:W5 S cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw    Categ
 6    S6CANCHEMO          S6CANCHEMO:W6 S cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw    Categ
 7    S7CANCHEMO          S7CANCHEMO:W7 S cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw    Categ
 8    S8CANCHEMO          S8CANCHEMO:W8 S cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw    Categ
 9    S9CANCHEMO          S9CANCHEMO:W9 S cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw    Categ
10    S10CANCHEMO         S10CANCHEMO:W10 S cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw  Categ
11    S11CANCHEMO         S11CANCHEMO:W11 S cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw  Categ
12    S12CANCHEMO         S12CANCHEMO:W12 S cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw  Categ
13    S13CANCHEMO         S13CANCHEMO:W13 S cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw  Categ
14    S14CANCHEMO         S14CANCHEMO:W14 S cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw  Categ
15    S15CANCHEMO         S15CANCHEMO:W15 S cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw  Categ

 1    R1CANSURBX          R1CANSURBX:W1 R cancer tx: Surg or biopsy, prv 12 mos               Categ
 2    R2CANSURBX          R2CANSURBX:W2 R cancer tx: Surg or biopsy, prv 1-,2-yr(A,H)         Categ
 3    R3CANSURBX          R3CANSURBX:W3 R cancer tx: Surg or biopsy, prv 2 yrs/since PrvIvw   Categ
 4    R4CANSURBX          R4CANSURBX:W4 R cancer tx: Surg or biopsy, prv 2 yrs/since PrvIvw   Categ
 5    R5CANSURBX          R5CANSURBX:W5 R cancer tx: Surg or biopsy, prv 2 yrs/since PrvIvw   Categ
 6    R6CANSURBX          R6CANSURBX:W6 R cancer tx: Surg or biopsy, prv 2 yrs/since PrvIvw   Categ
 7    R7CANSURBX          R7CANSURBX:W7 R cancer tx: Surg or biopsy, prv 2 yrs/since PrvIvw   Categ
 8    R8CANSURBX          R8CANSURBX:W8 R cancer tx: Surg or biopsy, prv 2 yrs/since PrvIvw   Categ
 9    R9CANSURBX          R9CANSURBX:W9 R cancer tx: Surg or biopsy, prv 2 yrs/since PrvIvw   Categ
10    R10CANSURBX         R10CANSURBX:W10 R cancer tx: Surg or biopsy, prv 2 yrs/since PrvIvw Categ

 1    S1CANSURBX          S1CANSURBX:W1 S cancer tx: Surg or biopsy, prv 12 mos               Categ
 2    S2CANSURBX          S2CANSURBX:W2 S cancer tx: Surg or biopsy, prv 1-,2-yr(A,H)         Categ
 3    S3CANSURBX          S3CANSURBX:W3 S cancer tx: Surg or biopsy, prv 2 yrs/since PrvIvw   Categ
 4    S4CANSURBX          S4CANSURBX:W4 S cancer tx: Surg or biopsy, prv 2 yrs/since PrvIvw   Categ
 5    S5CANSURBX          S5CANSURBX:W5 S cancer tx: Surg or biopsy, prv 2 yrs/since PrvIvw   Categ
 6    S6CANSURBX          S6CANSURBX:W6 S cancer tx: Surg or biopsy, prv 2 yrs/since PrvIvw   Categ
 7    S7CANSURBX          S7CANSURBX:W7 S cancer tx: Surg or biopsy, prv 2 yrs/since PrvIvw   Categ
 8    S8CANSURBX          S8CANSURBX:W8 S cancer tx: Surg or biopsy, prv 2 yrs/since PrvIvw   Categ
 9    S9CANSURBX          S9CANSURBX:W9 S cancer tx: Surg or biopsy, prv 2 yrs/since PrvIvw   Categ
10    S10CANSURBX         S10CANSURBX:W10 S cancer tx: Surg or biopsy, prv 2 yrs/since PrvIvw Categ

11    R11CANSURG          R11CANSURG:W11 R cancer tx: Surgery, prv 2 yrs/since PrvIvw         Categ
12    R12CANSURG          R12CANSURG:W12 R cancer tx: Surgery, prv 2 yrs/since PrvIvw         Categ
13    R13CANSURG          R13CANSURG:W13 R cancer tx: Surgery, prv 2 yrs/since PrvIvw         Categ
14    R14CANSURG          R14CANSURG:W14 R cancer tx: Surgery, prv 2 yrs/since PrvIvw         Categ
15    R15CANSURG          R15CANSURG:W15 R cancer tx: Surgery, prv 2 yrs/since PrvIvw         Categ

11    S11CANSURG          S11CANSURG:W11 S cancer tx: Surgery, prv 2 yrs/since PrvIvw         Categ
12    S12CANSURG          S12CANSURG:W12 S cancer tx: Surgery, prv 2 yrs/since PrvIvw         Categ
13    S13CANSURG          S13CANSURG:W13 S cancer tx: Surgery, prv 2 yrs/since PrvIvw         Categ
14    S14CANSURG          S14CANSURG:W14 S cancer tx: Surgery, prv 2 yrs/since PrvIvw         Categ
15    S15CANSURG          S15CANSURG:W15 S cancer tx: Surgery, prv 2 yrs/since PrvIvw         Categ

11    R11CANBIO           R11CANBIO:W11 R cancer tx: Biopsy, prv 2 yrs/since PrvIvw           Categ
12    R12CANBIO           R12CANBIO:W12 R cancer tx: Biopsy, prv 2 yrs/since PrvIvw           Categ
13    R13CANBIO           R13CANBIO:W13 R cancer tx: Biopsy, prv 2 yrs/since PrvIvw           Categ
14    R14CANBIO           R14CANBIO:W14 R cancer tx: Biopsy, prv 2 yrs/since PrvIvw           Categ
15    R15CANBIO           R15CANBIO:W15 R cancer tx: Biopsy, prv 2 yrs/since PrvIvw           Categ

11    S11CANBIO           S11CANBIO:W11 S cancer tx: Biopsy, prv 2 yrs/since PrvIvw           Categ
12    S12CANBIO           S12CANBIO:W12 S cancer tx: Biopsy, prv 2 yrs/since PrvIvw           Categ
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13    S13CANBIO           S13CANBIO:W13 S cancer tx: Biopsy, prv 2 yrs/since PrvIvw          Categ
14    S14CANBIO           S14CANBIO:W14 S cancer tx: Biopsy, prv 2 yrs/since PrvIvw          Categ
15    S15CANBIO           S15CANBIO:W15 S cancer tx: Biopsy, prv 2 yrs/since PrvIvw          Categ

 1    R1CANRADX           R1CANRADX:W1 R cancer tx: Radiation/x-ray, prv 12 mos              Categ
 2    R2CANRADX           R2CANRADX:W2 R cancer tx: Radiation/x-ray, prv 1-,2-yr(A,H)        Categ
 3    R3CANRADX           R3CANRADX:W3 R cancer tx: Radiation/x-ray, prv 2 yrs/since PrvIvw  Categ
 4    R4CANRADX           R4CANRADX:W4 R cancer tx: Radiation/x-ray, prv 2 yrs/since PrvIvw  Categ
 5    R5CANRADX           R5CANRADX:W5 R cancer tx: Radiation/x-ray, prv 2 yrs/since PrvIvw  Categ
 6    R6CANRADX           R6CANRADX:W6 R cancer tx: Radiation/x-ray, prv 2 yrs/since PrvIvw  Categ
 7    R7CANRADX           R7CANRADX:W7 R cancer tx: Radiation/x-ray, prv 2 yrs/since PrvIvw  Categ
 8    R8CANRADX           R8CANRADX:W8 R cancer tx: Radiation/x-ray, prv 2 yrs/since PrvIvw  Categ
 9    R9CANRADX           R9CANRADX:W9 R cancer tx: Radiation/x-ray, prv 2 yrs/since PrvIvw  Categ
10    R10CANRADX          R10CANRADX:W10 R cancer tx: Radiation/x-ray, prv 2 yrs/since PrvIvw Categ

 1    S1CANRADX           S1CANRADX:W1 S cancer tx: Radiation/x-ray, prv 12 mos              Categ
 2    S2CANRADX           S2CANRADX:W2 S cancer tx: Radiation/x-ray, prv 1-,2-yr(A,H)        Categ
 3    S3CANRADX           S3CANRADX:W3 S cancer tx: Radiation/x-ray, prv 2 yrs/since PrvIvw  Categ
 4    S4CANRADX           S4CANRADX:W4 S cancer tx: Radiation/x-ray, prv 2 yrs/since PrvIvw  Categ
 5    S5CANRADX           S5CANRADX:W5 S cancer tx: Radiation/x-ray, prv 2 yrs/since PrvIvw  Categ
 6    S6CANRADX           S6CANRADX:W6 S cancer tx: Radiation/x-ray, prv 2 yrs/since PrvIvw  Categ
 7    S7CANRADX           S7CANRADX:W7 S cancer tx: Radiation/x-ray, prv 2 yrs/since PrvIvw  Categ
 8    S8CANRADX           S8CANRADX:W8 S cancer tx: Radiation/x-ray, prv 2 yrs/since PrvIvw  Categ
 9    S9CANRADX           S9CANRADX:W9 S cancer tx: Radiation/x-ray, prv 2 yrs/since PrvIvw  Categ
10    S10CANRADX          S10CANRADX:W10 S cancer tx: Radiation/x-ray, prv 2 yrs/since PrvIvw Categ

11    R11CANRAD           R11CANRAD:W11 R cancer tx: Radiation, prv 2 yrs/since PrvIvw       Categ
12    R12CANRAD           R12CANRAD:W12 R cancer tx: Radiation, prv 2 yrs/since PrvIvw       Categ
13    R13CANRAD           R13CANRAD:W13 R cancer tx: Radiation, prv 2 yrs/since PrvIvw       Categ
14    R14CANRAD           R14CANRAD:W14 R cancer tx: Radiation, prv 2 yrs/since PrvIvw       Categ
15    R15CANRAD           R15CANRAD:W15 R cancer tx: Radiation, prv 2 yrs/since PrvIvw       Categ

11    S11CANRAD           S11CANRAD:W11 S cancer tx: Radiation, prv 2 yrs/since PrvIvw       Categ
12    S12CANRAD           S12CANRAD:W12 S cancer tx: Radiation, prv 2 yrs/since PrvIvw       Categ
13    S13CANRAD           S13CANRAD:W13 S cancer tx: Radiation, prv 2 yrs/since PrvIvw       Categ
14    S14CANRAD           S14CANRAD:W14 S cancer tx: Radiation, prv 2 yrs/since PrvIvw       Categ
15    S15CANRAD           S15CANRAD:W15 S cancer tx: Radiation, prv 2 yrs/since PrvIvw       Categ

11    R11CANXRAY          R11CANXRAY:W11 R cancer tx: X-ray, prv 2 yrs/since PrvIvw          Categ
12    R12CANXRAY          R12CANXRAY:W12 R cancer tx: X-ray, prv 2 yrs/since PrvIvw          Categ
13    R13CANXRAY          R13CANXRAY:W13 R cancer tx: X-ray, prv 2 yrs/since PrvIvw          Categ
14    R14CANXRAY          R14CANXRAY:W14 R cancer tx: X-ray, prv 2 yrs/since PrvIvw          Categ
15    R15CANXRAY          R15CANXRAY:W15 R cancer tx: X-ray, prv 2 yrs/since PrvIvw          Categ

11    S11CANXRAY          S11CANXRAY:W11 S cancer tx: X-ray, prv 2 yrs/since PrvIvw          Categ
12    S12CANXRAY          S12CANXRAY:W12 S cancer tx: X-ray, prv 2 yrs/since PrvIvw          Categ
13    S13CANXRAY          S13CANXRAY:W13 S cancer tx: X-ray, prv 2 yrs/since PrvIvw          Categ
14    S14CANXRAY          S14CANXRAY:W14 S cancer tx: X-ray, prv 2 yrs/since PrvIvw          Categ
15    S15CANXRAY          S15CANXRAY:W15 S cancer tx: X-ray, prv 2 yrs/since PrvIvw          Categ

 3    R3CANMEDTX          R3CANMEDTX:W3 R cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw    Categ
 4    R4CANMEDTX          R4CANMEDTX:W4 R cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw    Categ
 5    R5CANMEDTX          R5CANMEDTX:W5 R cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw    Categ
 6    R6CANMEDTX          R6CANMEDTX:W6 R cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw    Categ
 7    R7CANMEDTX          R7CANMEDTX:W7 R cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw    Categ
 8    R8CANMEDTX          R8CANMEDTX:W8 R cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw    Categ
 9    R9CANMEDTX          R9CANMEDTX:W9 R cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw    Categ
10    R10CANMEDTX         R10CANMEDTX:W10 R cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw  Categ
11    R11CANMEDTX         R11CANMEDTX:W11 R cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw  Categ
12    R12CANMEDTX         R12CANMEDTX:W12 R cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw  Categ
13    R13CANMEDTX         R13CANMEDTX:W13 R cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw  Categ
14    R14CANMEDTX         R14CANMEDTX:W14 R cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw  Categ
15    R15CANMEDTX         R15CANMEDTX:W15 R cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw  Categ

 3    S3CANMEDTX          S3CANMEDTX:W3 S cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw    Categ
 4    S4CANMEDTX          S4CANMEDTX:W4 S cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw    Categ
 5    S5CANMEDTX          S5CANMEDTX:W5 S cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw    Categ
 6    S6CANMEDTX          S6CANMEDTX:W6 S cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw    Categ
 7    S7CANMEDTX          S7CANMEDTX:W7 S cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw    Categ
 8    S8CANMEDTX          S8CANMEDTX:W8 S cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw    Categ
 9    S9CANMEDTX          S9CANMEDTX:W9 S cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw    Categ
10    S10CANMEDTX         S10CANMEDTX:W10 S cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw  Categ
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11    S11CANMEDTX          S11CANMEDTX:W11 S cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw   Categ
12    S12CANMEDTX          S12CANMEDTX:W12 S cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw   Categ
13    S13CANMEDTX          S13CANMEDTX:W13 S cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw   Categ
14    S14CANMEDTX          S14CANMEDTX:W14 S cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw   Categ
15    S15CANMEDTX          S15CANMEDTX:W15 S cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw   Categ

 1    R1CANNOTX            R1CANNOTX:W1 R cancer tx: No treatment, prv 12 mos                 Categ
 2    R2CANNOTX            R2CANNOTX:W2 R cancer tx: No treatment, prv 1-,2-yr(A,H)           Categ
 3    R3CANNOTX            R3CANNOTX:W3 R cancer tx: No treatment, prv 2 yrs/since PrvIvw     Categ
 4    R4CANNOTX            R4CANNOTX:W4 R cancer tx: No treatment, prv 2 yrs/since PrvIvw     Categ
 5    R5CANNOTX            R5CANNOTX:W5 R cancer tx: No treatment, prv 2 yrs/since PrvIvw     Categ
 6    R6CANNOTX            R6CANNOTX:W6 R cancer tx: No treatment, prv 2 yrs/since PrvIvw     Categ
 7    R7CANNOTX            R7CANNOTX:W7 R cancer tx: No treatment, prv 2 yrs/since PrvIvw     Categ
 8    R8CANNOTX            R8CANNOTX:W8 R cancer tx: No treatment, prv 2 yrs/since PrvIvw     Categ
 9    R9CANNOTX            R9CANNOTX:W9 R cancer tx: No treatment, prv 2 yrs/since PrvIvw     Categ
10    R10CANNOTX           R10CANNOTX:W10 R cancer tx: No treatment, prv 2 yrs/since PrvIvw   Categ
11    R11CANNOTX           R11CANNOTX:W11 R cancer tx: No treatment, prv 2 yrs/since PrvIvw   Categ
12    R12CANNOTX           R12CANNOTX:W12 R cancer tx: No treatment, prv 2 yrs/since PrvIvw   Categ
13    R13CANNOTX           R13CANNOTX:W13 R cancer tx: No treatment, prv 2 yrs/since PrvIvw   Categ
14    R14CANNOTX           R14CANNOTX:W14 R cancer tx: No treatment, prv 2 yrs/since PrvIvw   Categ
15    R15CANNOTX           R15CANNOTX:W15 R cancer tx: No treatment, prv 2 yrs/since PrvIvw   Categ

 1    S1CANNOTX            S1CANNOTX:W1 S cancer tx: No treatment, prv 12 mos                 Categ
 2    S2CANNOTX            S2CANNOTX:W2 S cancer tx: No treatment, prv 1-,2-yr(A,H)           Categ
 3    S3CANNOTX            S3CANNOTX:W3 S cancer tx: No treatment, prv 2 yrs/since PrvIvw     Categ
 4    S4CANNOTX            S4CANNOTX:W4 S cancer tx: No treatment, prv 2 yrs/since PrvIvw     Categ
 5    S5CANNOTX            S5CANNOTX:W5 S cancer tx: No treatment, prv 2 yrs/since PrvIvw     Categ
 6    S6CANNOTX            S6CANNOTX:W6 S cancer tx: No treatment, prv 2 yrs/since PrvIvw     Categ
 7    S7CANNOTX            S7CANNOTX:W7 S cancer tx: No treatment, prv 2 yrs/since PrvIvw     Categ
 8    S8CANNOTX            S8CANNOTX:W8 S cancer tx: No treatment, prv 2 yrs/since PrvIvw     Categ
 9    S9CANNOTX            S9CANNOTX:W9 S cancer tx: No treatment, prv 2 yrs/since PrvIvw     Categ
10    S10CANNOTX           S10CANNOTX:W10 S cancer tx: No treatment, prv 2 yrs/since PrvIvw   Categ
11    S11CANNOTX           S11CANNOTX:W11 S cancer tx: No treatment, prv 2 yrs/since PrvIvw   Categ
12    S12CANNOTX           S12CANNOTX:W12 S cancer tx: No treatment, prv 2 yrs/since PrvIvw   Categ
13    S13CANNOTX           S13CANNOTX:W13 S cancer tx: No treatment, prv 2 yrs/since PrvIvw   Categ
14    S14CANNOTX           S14CANNOTX:W14 S cancer tx: No treatment, prv 2 yrs/since PrvIvw   Categ
15    S15CANNOTX           S15CANNOTX:W15 S cancer tx: No treatment, prv 2 yrs/since PrvIvw   Categ

 1    R1CANOTHTX           R1CANOTHTX:W1 R cancer tx: Other treatment, prv 12 mos             Categ
 2    R2CANOTHTX           R2CANOTHTX:W2 R cancer tx: Other treatment, prv 1-,2-yr(A,H)       Categ
 3    R3CANOTHTX           R3CANOTHTX:W3 R cancer tx: Othr treatment, prv 2 yrs/since PrvIvw  Categ
 4    R4CANOTHTX           R4CANOTHTX:W4 R cancer tx: Othr treatment, prv 2 yrs/since PrvIvw  Categ
 5    R5CANOTHTX           R5CANOTHTX:W5 R cancer tx: Othr treatment, prv 2 yrs/since PrvIvw  Categ
 6    R6CANOTHTX           R6CANOTHTX:W6 R cancer tx: Othr treatment, prv 2 yrs/since PrvIvw  Categ
 7    R7CANOTHTX           R7CANOTHTX:W7 R cancer tx: Othr treatment, prv 2 yrs/since PrvIvw  Categ
 8    R8CANOTHTX           R8CANOTHTX:W8 R cancer tx: Othr treatment, prv 2 yrs/since PrvIvw  Categ
 9    R9CANOTHTX           R9CANOTHTX:W9 R cancer tx: Othr treatment, prv 2 yrs/since PrvIvw  Categ
10    R10CANOTHTX          R10CANOTHTX:W10 R cancer tx: Othr treatment, prv 2 yrs/since PrvIvw Categ
11    R11CANOTHTX          R11CANOTHTX:W11 R cancer tx: Othr treatment, prv 2 yrs/since PrvIvw Categ
12    R12CANOTHTX          R12CANOTHTX:W12 R cancer tx: Othr treatment, prv 2 yrs/since PrvIvw Categ
13    R13CANOTHTX          R13CANOTHTX:W13 R cancer tx: Othr treatment, prv 2 yrs/since PrvIvw Categ
14    R14CANOTHTX          R14CANOTHTX:W14 R cancer tx: Othr treatment, prv 2 yrs/since PrvIvw Categ
15    R15CANOTHTX          R15CANOTHTX:W15 R cancer tx: Othr treatment, prv 2 yrs/since PrvIvw Categ

 1    S1CANOTHTX           S1CANOTHTX:W1 S cancer tx: Other treatment, prv 12 mos             Categ
 2    S2CANOTHTX           S2CANOTHTX:W2 S cancer tx: Other treatment, prv 1-,2-yr(A,H)       Categ
 3    S3CANOTHTX           S3CANOTHTX:W3 S cancer tx: Othr treatment, prv 2 yrs/since PrvIvw  Categ
 4    S4CANOTHTX           S4CANOTHTX:W4 S cancer tx: Othr treatment, prv 2 yrs/since PrvIvw  Categ
 5    S5CANOTHTX           S5CANOTHTX:W5 S cancer tx: Othr treatment, prv 2 yrs/since PrvIvw  Categ
 6    S6CANOTHTX           S6CANOTHTX:W6 S cancer tx: Othr treatment, prv 2 yrs/since PrvIvw  Categ
 7    S7CANOTHTX           S7CANOTHTX:W7 S cancer tx: Othr treatment, prv 2 yrs/since PrvIvw  Categ
 8    S8CANOTHTX           S8CANOTHTX:W8 S cancer tx: Othr treatment, prv 2 yrs/since PrvIvw  Categ
 9    S9CANOTHTX           S9CANOTHTX:W9 S cancer tx: Othr treatment, prv 2 yrs/since PrvIvw  Categ
10    S10CANOTHTX          S10CANOTHTX:W10 S cancer tx: Othr treatment, prv 2 yrs/since PrvIvw Categ
11    S11CANOTHTX          S11CANOTHTX:W11 S cancer tx: Othr treatment, prv 2 yrs/since PrvIvw Categ
12    S12CANOTHTX          S12CANOTHTX:W12 S cancer tx: Othr treatment, prv 2 yrs/since PrvIvw Categ
13    S13CANOTHTX          S13CANOTHTX:W13 S cancer tx: Othr treatment, prv 2 yrs/since PrvIvw Categ
14    S14CANOTHTX          S14CANOTHTX:W14 S cancer tx: Othr treatment, prv 2 yrs/since PrvIvw Categ
15    S15CANOTHTX          S15CANOTHTX:W15 S cancer tx: Othr treatment, prv 2 yrs/since PrvIvw Categ

 3    R3CANCRBW            R3CANCRBW:W3 R cancer better or worse, since PrvIvw                Categ
 4    R4CANCRBW            R4CANCRBW:W4 R cancer better or worse, since PrvIvw                Categ
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 5    R5CANCRBW           R5CANCRBW:W5 R cancer better or worse, since PrvIvw               Categ
 6    R6CANCRBW           R6CANCRBW:W6 R cancer better or worse, since PrvIvw               Categ
 7    R7CANCRBW           R7CANCRBW:W7 R cancer better or worse, since PrvIvw               Categ
 8    R8CANCRBW           R8CANCRBW:W8 R cancer better or worse, since PrvIvw               Categ
 9    R9CANCRBW           R9CANCRBW:W9 R cancer better or worse, since PrvIvw               Categ
10    R10CANCRBW          R10CANCRBW:W10 R cancer better or worse, since PrvIvw             Categ
11    R11CANCRBW          R11CANCRBW:W11 R cancer better or worse, since PrvIvw             Categ
12    R12CANCRBW          R12CANCRBW:W12 R cancer better or worse, since PrvIvw             Categ

 3    S3CANCRBW           S3CANCRBW:W3 S cancer better or worse, since PrvIvw               Categ
 4    S4CANCRBW           S4CANCRBW:W4 S cancer better or worse, since PrvIvw               Categ
 5    S5CANCRBW           S5CANCRBW:W5 S cancer better or worse, since PrvIvw               Categ
 6    S6CANCRBW           S6CANCRBW:W6 S cancer better or worse, since PrvIvw               Categ
 7    S7CANCRBW           S7CANCRBW:W7 S cancer better or worse, since PrvIvw               Categ
 8    S8CANCRBW           S8CANCRBW:W8 S cancer better or worse, since PrvIvw               Categ
 9    S9CANCRBW           S9CANCRBW:W9 S cancer better or worse, since PrvIvw               Categ
10    S10CANCRBW          S10CANCRBW:W10 S cancer better or worse, since PrvIvw             Categ
11    S11CANCRBW          S11CANCRBW:W11 S cancer better or worse, since PrvIvw             Categ
12    S12CANCRBW          S12CANCRBW:W12 S cancer better or worse, since PrvIvw             Categ

13    R13CANCRBWG         R13CANCRBWG:W13 R cancer status, since PrvIvw                     Categ
14    R14CANCRBWG         R14CANCRBWG:W14 R cancer status, since PrvIvw                     Categ
15    R15CANCRBWG         R15CANCRBWG:W15 R cancer status, since PrvIvw                     Categ

13    S13CANCRBWG         S13CANCRBWG:W13 S cancer status, since PrvIvw                     Categ
14    S14CANCRBWG         S14CANCRBWG:W14 S cancer status, since PrvIvw                     Categ
15    S15CANCRBWG         S15CANCRBWG:W15 S cancer status, since PrvIvw                     Categ

 2    R2CANCRNEW          R2CANCRNEW:W2 R new cancer excluding skin cancer, since PrvIvw    Categ
 3    R3CANCRNEW          R3CANCRNEW:W3 R new cancer excluding skin cancer, since PrvIvw    Categ
 4    R4CANCRNEW          R4CANCRNEW:W4 R new cancer excluding skin cancer, since PrvIvw    Categ
 5    R5CANCRNEW          R5CANCRNEW:W5 R new cancer excluding skin cancer, since PrvIvw    Categ
 6    R6CANCRNEW          R6CANCRNEW:W6 R new cancer excluding skin cancer, since PrvIvw    Categ
 7    R7CANCRNEW          R7CANCRNEW:W7 R new cancer excluding skin cancer, since PrvIvw    Categ
 8    R8CANCRNEW          R8CANCRNEW:W8 R new cancer excluding skin cancer, since PrvIvw    Categ
 9    R9CANCRNEW          R9CANCRNEW:W9 R new cancer excluding skin cancer, since PrvIvw    Categ
10    R10CANCRNEW         R10CANCRNEW:W10 R new cancer excluding skin cancer, since PrvIvw  Categ
11    R11CANCRNEW         R11CANCRNEW:W11 R new cancer excluding skin cancer, since PrvIvw  Categ
12    R12CANCRNEW         R12CANCRNEW:W12 R new cancer excluding skin cancer, since PrvIvw  Categ
13    R13CANCRNEW         R13CANCRNEW:W13 R new cancer excluding skin cancer, since PrvIvw  Categ
14    R14CANCRNEW         R14CANCRNEW:W14 R new cancer excluding skin cancer, since PrvIvw  Categ
15    R15CANCRNEW         R15CANCRNEW:W15 R new cancer excluding skin cancer, since PrvIvw  Categ
16    R16CANCRNEW         R16CANCRNEW:W16 R new cancer excluding skin cancer, since PrvIvw  Categ

 2    S2CANCRNEW          S2CANCRNEW:W2 S new cancer excluding skin cancer, since PrvIvw    Categ
 3    S3CANCRNEW          S3CANCRNEW:W3 S new cancer excluding skin cancer, since PrvIvw    Categ
 4    S4CANCRNEW          S4CANCRNEW:W4 S new cancer excluding skin cancer, since PrvIvw    Categ
 5    S5CANCRNEW          S5CANCRNEW:W5 S new cancer excluding skin cancer, since PrvIvw    Categ
 6    S6CANCRNEW          S6CANCRNEW:W6 S new cancer excluding skin cancer, since PrvIvw    Categ
 7    S7CANCRNEW          S7CANCRNEW:W7 S new cancer excluding skin cancer, since PrvIvw    Categ
 8    S8CANCRNEW          S8CANCRNEW:W8 S new cancer excluding skin cancer, since PrvIvw    Categ
 9    S9CANCRNEW          S9CANCRNEW:W9 S new cancer excluding skin cancer, since PrvIvw    Categ
10    S10CANCRNEW         S10CANCRNEW:W10 S new cancer excluding skin cancer, since PrvIvw  Categ
11    S11CANCRNEW         S11CANCRNEW:W11 S new cancer excluding skin cancer, since PrvIvw  Categ
12    S12CANCRNEW         S12CANCRNEW:W12 S new cancer excluding skin cancer, since PrvIvw  Categ
13    S13CANCRNEW         S13CANCRNEW:W13 S new cancer excluding skin cancer, since PrvIvw  Categ
14    S14CANCRNEW         S14CANCRNEW:W14 S new cancer excluding skin cancer, since PrvIvw  Categ
15    S15CANCRNEW         S15CANCRNEW:W15 S new cancer excluding skin cancer, since PrvIvw  Categ
16    S16CANCRNEW         S16CANCRNEW:W16 S new cancer excluding skin cancer, since PrvIvw  Categ

 1    R1CANCRNUM          R1CANCRNUM:W1 R number of different cancers                       Cont
 2    R2CANCRNUM          R2CANCRNUM:W2 R number of different cancers                       Cont
 3    R3CANCRNUM          R3CANCRNUM:W3 R number of different cancers                       Cont
 4    R4CANCRNUM          R4CANCRNUM:W4 R number of different cancers                       Cont
 5    R5CANCRNUM          R5CANCRNUM:W5 R number of different cancers                       Cont
 6    R6CANCRNUM          R6CANCRNUM:W6 R number of different cancers                       Cont

 1    S1CANCRNUM          S1CANCRNUM:W1 S number of different cancers                       Cont
 2    S2CANCRNUM          S2CANCRNUM:W2 S number of different cancers                       Cont
 3    S3CANCRNUM          S3CANCRNUM:W3 S number of different cancers                       Cont
 4    S4CANCRNUM          S4CANCRNUM:W4 S number of different cancers                       Cont
 5    S5CANCRNUM          S5CANCRNUM:W5 S number of different cancers                       Cont
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6	S6CANCRNUM	S6CANCRNUM:W6 S number of different cancers	Cont
3	R3CANCRSPR	R3CANCRSPR:W3 R cancer spread, since PrvIvw	Categ
4	R4CANCRSPR	R4CANCRSPR:W4 R cancer spread, since PrvIvw	Categ
5	R5CANCRSPR	R5CANCRSPR:W5 R cancer spread, since PrvIvw	Categ
6	R6CANCRSPR	R6CANCRSPR:W6 R cancer spread, since PrvIvw	Categ
3	S3CANCRSPR	S3CANCRSPR:W3 S cancer spread, since PrvIvw	Categ
4	S4CANCRSPR	S4CANCRSPR:W4 S cancer spread, since PrvIvw	Categ
5	S5CANCRSPR	S5CANCRSPR:W5 S cancer spread, since PrvIvw	Categ
6	S6CANCRSPR	S6CANCRSPR:W6 S cancer spread, since PrvIvw	Categ
1	R1CANCRYR	R1CANCRYR:W1 R year recent cancer	Cont
2	R2CANCRYR	R2CANCRYR:W2 R year recent cancer	Cont
3	R3CANCRYR	R3CANCRYR:W3 R year recent cancer	Cont
4	R4CANCRYR	R4CANCRYR:W4 R year recent cancer	Cont
5	R5CANCRYR	R5CANCRYR:W5 R year recent cancer	Cont
6	R6CANCRYR	R6CANCRYR:W6 R year recent cancer	Cont
7	R7CANCRYR	R7CANCRYR:W7 R year recent cancer	Cont
8	R8CANCRYR	R8CANCRYR:W8 R year recent cancer	Cont
9	R9CANCRYR	R9CANCRYR:W9 R year recent cancer	Cont
10	R10CANCRYR	R10CANCRYR:W10 R year recent cancer	Cont
11	R11CANCRYR	R11CANCRYR:W11 R year recent cancer	Cont
12	R12CANCRYR	R12CANCRYR:W12 R year recent cancer	Cont
13	R13CANCRYR	R13CANCRYR:W13 R year recent cancer	Cont
14	R14CANCRYR	R14CANCRYR:W14 R year recent cancer	Cont
15	R15CANCRYR	R15CANCRYR:W15 R year recent cancer	Cont
16	R16CANCRYR	R16CANCRYR:W16 R year recent cancer	Cont
1	S1CANCRYR	S1CANCRYR:W1 S year recent cancer	Cont
2	S2CANCRYR	S2CANCRYR:W2 S year recent cancer	Cont
3	S3CANCRYR	S3CANCRYR:W3 S year recent cancer	Cont
4	S4CANCRYR	S4CANCRYR:W4 S year recent cancer	Cont
5	S5CANCRYR	S5CANCRYR:W5 S year recent cancer	Cont
6	S6CANCRYR	S6CANCRYR:W6 S year recent cancer	Cont
7	S7CANCRYR	S7CANCRYR:W7 S year recent cancer	Cont
8	S8CANCRYR	S8CANCRYR:W8 S year recent cancer	Cont
9	S9CANCRYR	S9CANCRYR:W9 S year recent cancer	Cont
10	S10CANCRYR	S10CANCRYR:W10 S year recent cancer	Cont
11	S11CANCRYR	S11CANCRYR:W11 S year recent cancer	Cont
12	S12CANCRYR	S12CANCRYR:W12 S year recent cancer	Cont
13	S13CANCRYR	S13CANCRYR:W13 S year recent cancer	Cont
14	S14CANCRYR	S14CANCRYR:W14 S year recent cancer	Cont
15	S15CANCRYR	S15CANCRYR:W15 S year recent cancer	Cont
16	S16CANCRYR	S16CANCRYR:W16 S year recent cancer	Cont
3	R3CANCRMO	R3CANCRMO:W3 R month recent cancer	Cont
4	R4CANCRMO	R4CANCRMO:W4 R month recent cancer	Cont
5	R5CANCRMO	R5CANCRMO:W5 R month recent cancer	Cont
6	R6CANCRMO	R6CANCRMO:W6 R month recent cancer	Cont
7	R7CANCRMO	R7CANCRMO:W7 R month recent cancer	Cont
8	R8CANCRMO	R8CANCRMO:W8 R month recent cancer	Cont
9	R9CANCRMO	R9CANCRMO:W9 R month recent cancer	Cont
10	R10CANCRMO	R10CANCRMO:W10 R month recent cancer	Cont
11	R11CANCRMO	R11CANCRMO:W11 R month recent cancer	Cont
12	R12CANCRMO	R12CANCRMO:W12 R month recent cancer	Cont
13	R13CANCRMO	R13CANCRMO:W13 R month recent cancer	Cont
14	R14CANCRMO	R14CANCRMO:W14 R month recent cancer	Cont
15	R15CANCRMO	R15CANCRMO:W15 R month recent cancer	Cont
16	R16CANCRMO	R16CANCRMO:W16 R month recent cancer	Cont
3	S3CANCRMO	S3CANCRMO:W3 S month recent cancer	Cont
4	S4CANCRMO	S4CANCRMO:W4 S month recent cancer	Cont
5	S5CANCRMO	S5CANCRMO:W5 S month recent cancer	Cont
6	S6CANCRMO	S6CANCRMO:W6 S month recent cancer	Cont
7	S7CANCRMO	S7CANCRMO:W7 S month recent cancer	Cont
8	S8CANCRMO	S8CANCRMO:W8 S month recent cancer	Cont
9	S9CANCRMO	S9CANCRMO:W9 S month recent cancer	Cont
10	S10CANCRMO	S10CANCRMO:W10 S month recent cancer	Cont
11	S11CANCRMO	S11CANCRMO:W11 S month recent cancer	Cont
12	S12CANCRMO	S12CANCRMO:W12 S month recent cancer	Cont
13	S13CANCRMO	S13CANCRMO:W13 S month recent cancer	Cont

14	S14CANCRMO	S14CANCRMO:W14 S month recent cancer		Cont
15	S15CANCRMO	S15CANCRMO:W15 S month recent cancer		Cont
16	S16CANCRMO	S16CANCRMO:W16 S month recent cancer		Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1CANCRDR	703	0.68	0.47	0.0	1.0
R2CANCRDR	167	0.94	0.24	0.0	1.0
R3CANCRDR	1486	0.70	0.46	0.0	1.0
R4CANCRDR	1910	0.72	0.45	0.0	1.0
R5CANCRDR	1892	0.69	0.46	0.0	1.0
R6CANCRDR	1997	0.68	0.47	0.0	1.0
R7CANCRDR	2243	0.73	0.45	0.0	1.0
R8CANCRDR	2257	0.72	0.45	0.0	1.0
R9CANCRDR	2278	0.72	0.45	0.0	1.0
R10CANCRDR	2636	0.72	0.45	0.0	1.0
R11CANCRDR	2611	0.69	0.46	0.0	1.0
R12CANCRDR	2524	0.65	0.48	0.0	1.0
R13CANCRDR	2609	0.64	0.48	0.0	1.0
R14CANCRDR	2186	0.63	0.48	0.0	1.0
R15CANCRDR	2149	0.62	0.48	0.0	1.0
R16CANCRDR	2153	0.64	0.48	0.0	1.0
S1CANCRDR	535	0.67	0.47	0.0	1.0
S2CANCRDR	129	0.92	0.27	0.0	1.0
S3CANCRDR	894	0.75	0.43	0.0	1.0
S4CANCRDR	1175	0.74	0.44	0.0	1.0
S5CANCRDR	1151	0.72	0.45	0.0	1.0
S6CANCRDR	1197	0.72	0.45	0.0	1.0
S7CANCRDR	1349	0.76	0.43	0.0	1.0
S8CANCRDR	1343	0.74	0.44	0.0	1.0
S9CANCRDR	1338	0.74	0.44	0.0	1.0
S10CANCRDR	1569	0.75	0.44	0.0	1.0
S11CANCRDR	1507	0.73	0.45	0.0	1.0
S12CANCRDR	1388	0.70	0.46	0.0	1.0
S13CANCRDR	1405	0.68	0.47	0.0	1.0
S14CANCRDR	1178	0.65	0.48	0.0	1.0
S15CANCRDR	1165	0.65	0.48	0.0	1.0
S16CANCRDR	1091	0.65	0.48	0.0	1.0
R3CANCRTX	1879	0.18	0.38	0.0	1.0
R4CANCRTX	2333	0.17	0.37	0.0	1.0
R5CANCRTX	1894	0.19	0.39	0.0	1.0
R6CANCRTX	1996	0.18	0.39	0.0	1.0
R7CANCRTX	186	0.39	0.49	0.0	1.0
R8CANCRTX	2631	0.29	0.45	0.0	1.0
R9CANCRTX	14	0.50	0.52	0.0	1.0
R10CANCRTX	3022	0.31	0.46	0.0	1.0
R11CANCRTX	44	0.34	0.48	0.0	1.0
R12CANCRTX	2893	0.27	0.44	0.0	1.0
R13CANCRTX	301	0.28	0.45	0.0	1.0
R14CANCRTX	2588	0.27	0.45	0.0	1.0
R15CANCRTX	30	0.33	0.48	0.0	1.0
R16CANCRTX	2439	0.30	0.46	0.0	1.0

S3CANCRTX	1154	0.19	0.39	0.0	1.0
S4CANCRTX	1452	0.17	0.38	0.0	1.0
S5CANCRTX	1151	0.21	0.41	0.0	1.0
S6CANCRTX	1197	0.20	0.40	0.0	1.0
S7CANCRTX	119	0.36	0.48	0.0	1.0
S8CANCRTX	1572	0.31	0.46	0.0	1.0
S9CANCRTX	14	0.50	0.52	0.0	1.0
S10CANCRTX	1821	0.34	0.47	0.0	1.0
S11CANCRTX	38	0.37	0.49	0.0	1.0
S12CANCRTX	1627	0.31	0.46	0.0	1.0
S13CANCRTX	146	0.28	0.45	0.0	1.0
S14CANCRTX	1418	0.29	0.45	0.0	1.0
S15CANCRTX	25	0.32	0.48	0.0	1.0
S16CANCRTX	1227	0.31	0.46	0.0	1.0
R1CANCHEMO	703	0.16	0.37	0.0	1.0
R2CANCHEMO	1271	0.13	0.34	0.0	1.0
R3CANCHEMO	334	0.50	0.50	0.0	1.0
R4CANCHEMO	389	0.47	0.50	0.0	1.0
R5CANCHEMO	799	0.34	0.47	0.0	1.0
R6CANCHEMO	829	0.33	0.47	0.0	1.0
R7CANCHEMO	71	0.32	0.47	0.0	1.0
R8CANCHEMO	780	0.37	0.48	0.0	1.0
R9CANCHEMO	7	0.43	0.53	0.0	1.0
R10CANCHEMO	928	0.38	0.49	0.0	1.0
R11CANCHEMO	15	0.53	0.52	0.0	1.0
R12CANCHEMO	776	0.35	0.48	0.0	1.0
R13CANCHEMO	83	0.49	0.50	0.0	1.0
R14CANCHEMO	704	0.32	0.47	0.0	1.0
R15CANCHEMO	10	0.20	0.42	0.0	1.0
S1CANCHEMO	535	0.16	0.37	0.0	1.0
S2CANCHEMO	710	0.15	0.36	0.0	1.0
S3CANCHEMO	219	0.52	0.50	0.0	1.0
S4CANCHEMO	252	0.49	0.50	0.0	1.0
S5CANCHEMO	524	0.36	0.48	0.0	1.0
S6CANCHEMO	531	0.35	0.48	0.0	1.0
S7CANCHEMO	42	0.31	0.47	0.0	1.0
S8CANCHEMO	510	0.36	0.48	0.0	1.0
S9CANCHEMO	7	0.43	0.53	0.0	1.0
S10CANCHEMO	611	0.39	0.49	0.0	1.0
S11CANCHEMO	14	0.50	0.52	0.0	1.0
S12CANCHEMO	502	0.33	0.47	0.0	1.0
S13CANCHEMO	41	0.39	0.49	0.0	1.0
S14CANCHEMO	411	0.31	0.46	0.0	1.0
S15CANCHEMO	8	0.25	0.46	0.0	1.0
R1CANSURBX	703	0.20	0.40	0.0	1.0
R2CANSURBX	1271	0.18	0.38	0.0	1.0
R3CANSURBX	334	0.30	0.46	0.0	1.0
R4CANSURBX	389	0.30	0.46	0.0	1.0
R5CANSURBX	799	0.55	0.50	0.0	1.0
R6CANSURBX	829	0.50	0.50	0.0	1.0
R7CANSURBX	71	0.65	0.48	0.0	1.0
R8CANSURBX	780	0.45	0.50	0.0	1.0
R9CANSURBX	7	0.43	0.53	0.0	1.0
R10CANSURBX	928	0.47	0.50	0.0	1.0
S1CANSURBX	535	0.20	0.40	0.0	1.0

S2CANSURBX	710	0.21	0.41	0.0	1.0
S3CANSURBX	219	0.29	0.46	0.0	1.0
S4CANSURBX	252	0.30	0.46	0.0	1.0
S5CANSURBX	524	0.57	0.50	0.0	1.0
S6CANSURBX	531	0.48	0.50	0.0	1.0
S7CANSURBX	42	0.69	0.47	0.0	1.0
S8CANSURBX	510	0.45	0.50	0.0	1.0
S9CANSURBX	7	0.43	0.53	0.0	1.0
S10CANSURBX	611	0.48	0.50	0.0	1.0
R11CANSURG	15	0.27	0.46	0.0	1.0
R12CANSURG	776	0.46	0.50	0.0	1.0
R13CANSURG	83	0.46	0.50	0.0	1.0
R14CANSURG	704	0.43	0.50	0.0	1.0
R15CANSURG	10	0.50	0.53	0.0	1.0
S11CANSURG	14	0.29	0.47	0.0	1.0
S12CANSURG	502	0.46	0.50	0.0	1.0
S13CANSURG	41	0.56	0.50	0.0	1.0
S14CANSURG	411	0.48	0.50	0.0	1.0
S15CANSURG	8	0.38	0.52	0.0	1.0
R11CANBIO	15	0.13	0.35	0.0	1.0
R12CANBIO	776	0.07	0.25	0.0	1.0
R13CANBIO	83	0.13	0.34	0.0	1.0
R14CANBIO	704	0.09	0.29	0.0	1.0
R15CANBIO	10	0.20	0.42	0.0	1.0
S11CANBIO	14	0.14	0.36	0.0	1.0
S12CANBIO	502	0.07	0.25	0.0	1.0
S13CANBIO	41	0.10	0.30	0.0	1.0
S14CANBIO	411	0.10	0.30	0.0	1.0
S15CANBIO	8	0.13	0.35	0.0	1.0
R1CANRADX	703	0.12	0.32	0.0	1.0
R2CANRADX	1271	0.11	0.32	0.0	1.0
R3CANRADX	334	0.23	0.42	0.0	1.0
R4CANRADX	389	0.28	0.45	0.0	1.0
R5CANRADX	799	0.27	0.44	0.0	1.0
R6CANRADX	829	0.26	0.44	0.0	1.0
R7CANRADX	71	0.24	0.43	0.0	1.0
R8CANRADX	780	0.27	0.44	0.0	1.0
R9CANRADX	7	0.29	0.49	0.0	1.0
R10CANRADX	928	0.29	0.45	0.0	1.0
S1CANRADX	535	0.11	0.31	0.0	1.0
S2CANRADX	710	0.14	0.35	0.0	1.0
S3CANRADX	219	0.24	0.43	0.0	1.0
S4CANRADX	252	0.27	0.44	0.0	1.0
S5CANRADX	524	0.28	0.45	0.0	1.0
S6CANRADX	531	0.27	0.44	0.0	1.0
S7CANRADX	42	0.19	0.40	0.0	1.0
S8CANRADX	510	0.27	0.44	0.0	1.0
S9CANRADX	7	0.29	0.49	0.0	1.0
S10CANRADX	611	0.30	0.46	0.0	1.0
R11CANRAD	15	0.20	0.41	0.0	1.0
R12CANRAD	776	0.27	0.45	0.0	1.0
R13CANRAD	83	0.37	0.49	0.0	1.0

R14CANRAD	704	0.23	0.42	0.0	1.0
R15CANRAD	10	0.10	0.32	0.0	1.0
S11CANRAD	14	0.21	0.43	0.0	1.0
S12CANRAD	502	0.26	0.44	0.0	1.0
S13CANRAD	41	0.27	0.45	0.0	1.0
S14CANRAD	411	0.21	0.41	0.0	1.0
S15CANRAD	8	0.13	0.35	0.0	1.0
R11CANXRAY	15	0.07	0.26	0.0	1.0
R12CANXRAY	776	0.03	0.16	0.0	1.0
R13CANXRAY	83	0.05	0.22	0.0	1.0
R14CANXRAY	704	0.05	0.22	0.0	1.0
R15CANXRAY	10	0.00	0.00	0.0	0.0
S11CANXRAY	14	0.07	0.27	0.0	1.0
S12CANXRAY	502	0.02	0.14	0.0	1.0
S13CANXRAY	41	0.05	0.22	0.0	1.0
S14CANXRAY	411	0.05	0.22	0.0	1.0
S15CANXRAY	8	0.00	0.00	0.0	0.0
R3CANMEDTX	334	0.30	0.46	0.0	1.0
R4CANMEDTX	389	0.39	0.49	0.0	1.0
R5CANMEDTX	799	0.18	0.39	0.0	1.0
R6CANMEDTX	829	0.16	0.37	0.0	1.0
R7CANMEDTX	71	0.21	0.41	0.0	1.0
R8CANMEDTX	780	0.22	0.41	0.0	1.0
R9CANMEDTX	7	0.29	0.49	0.0	1.0
R10CANMEDTX	928	0.17	0.38	0.0	1.0
R11CANMEDTX	15	0.27	0.46	0.0	1.0
R12CANMEDTX	776	0.17	0.37	0.0	1.0
R13CANMEDTX	83	0.25	0.44	0.0	1.0
R14CANMEDTX	704	0.22	0.41	0.0	1.0
R15CANMEDTX	10	0.20	0.42	0.0	1.0
S3CANMEDTX	219	0.30	0.46	0.0	1.0
S4CANMEDTX	252	0.40	0.49	0.0	1.0
S5CANMEDTX	524	0.18	0.38	0.0	1.0
S6CANMEDTX	531	0.16	0.37	0.0	1.0
S7CANMEDTX	42	0.14	0.35	0.0	1.0
S8CANMEDTX	510	0.22	0.41	0.0	1.0
S9CANMEDTX	7	0.29	0.49	0.0	1.0
S10CANMEDTX	611	0.16	0.37	0.0	1.0
S11CANMEDTX	14	0.29	0.47	0.0	1.0
S12CANMEDTX	502	0.16	0.37	0.0	1.0
S13CANMEDTX	41	0.29	0.46	0.0	1.0
S14CANMEDTX	411	0.21	0.41	0.0	1.0
S15CANMEDTX	8	0.13	0.35	0.0	1.0
R1CANNOTX	703	0.57	0.50	0.0	1.0
R2CANNOTX	1271	0.63	0.48	0.0	1.0
R3CANNOTX	334	0.04	0.20	0.0	1.0
R4CANNOTX	389	0.01	0.10	0.0	1.0
R5CANNOTX	799	0.07	0.26	0.0	1.0
R6CANNOTX	829	0.09	0.28	0.0	1.0
R7CANNOTX	71	0.01	0.12	0.0	1.0
R8CANNOTX	780	0.03	0.17	0.0	1.0
R9CANNOTX	7	0.14	0.38	0.0	1.0
R10CANNOTX	928	0.01	0.10	0.0	1.0

R11CANNOTX	15	0.00	0.00	0.0	0.0
R12CANNOTX	776	0.02	0.12	0.0	1.0
R13CANNOTX	83	0.01	0.11	0.0	1.0
R14CANNOTX	704	0.03	0.17	0.0	1.0
R15CANNOTX	10	0.00	0.00	0.0	0.0
S1CANNOTX	535	0.58	0.49	0.0	1.0
S2CANNOTX	710	0.57	0.49	0.0	1.0
S3CANNOTX	219	0.05	0.21	0.0	1.0
S4CANNOTX	252	0.01	0.09	0.0	1.0
S5CANNOTX	524	0.05	0.21	0.0	1.0
S6CANNOTX	531	0.09	0.29	0.0	1.0
S7CANNOTX	42	0.02	0.15	0.0	1.0
S8CANNOTX	510	0.04	0.19	0.0	1.0
S9CANNOTX	7	0.14	0.38	0.0	1.0
S10CANNOTX	611	0.01	0.10	0.0	1.0
S11CANNOTX	14	0.00	0.00	0.0	0.0
S12CANNOTX	502	0.02	0.13	0.0	1.0
S13CANNOTX	41	0.00	0.00	0.0	0.0
S14CANNOTX	411	0.03	0.17	0.0	1.0
S15CANNOTX	8	0.00	0.00	0.0	0.0
R1CANOTHTX	703	0.07	0.25	0.0	1.0
R2CANOTHTX	1271	0.06	0.24	0.0	1.0
R3CANOTHTX	334	0.12	0.33	0.0	1.0
R4CANOTHTX	389	0.14	0.34	0.0	1.0
R5CANOTHTX	799	0.02	0.14	0.0	1.0
R6CANOTHTX	829	0.03	0.16	0.0	1.0
R7CANOTHTX	71	0.01	0.12	0.0	1.0
R8CANOTHTX	780	0.09	0.28	0.0	1.0
R9CANOTHTX	7	0.00	0.00	0.0	0.0
R10CANOTHTX	928	0.09	0.29	0.0	1.0
R11CANOTHTX	15	0.07	0.26	0.0	1.0
R12CANOTHTX	776	0.09	0.28	0.0	1.0
R13CANOTHTX	83	0.10	0.30	0.0	1.0
R14CANOTHTX	704	0.13	0.34	0.0	1.0
R15CANOTHTX	10	0.30	0.48	0.0	1.0
S1CANOTHTX	535	0.05	0.23	0.0	1.0
S2CANOTHTX	710	0.07	0.26	0.0	1.0
S3CANOTHTX	219	0.11	0.31	0.0	1.0
S4CANOTHTX	252	0.15	0.35	0.0	1.0
S5CANOTHTX	524	0.02	0.14	0.0	1.0
S6CANOTHTX	531	0.02	0.15	0.0	1.0
S7CANOTHTX	42	0.02	0.15	0.0	1.0
S8CANOTHTX	510	0.09	0.28	0.0	1.0
S9CANOTHTX	7	0.00	0.00	0.0	0.0
S10CANOTHTX	611	0.09	0.29	0.0	1.0
S11CANOTHTX	14	0.07	0.27	0.0	1.0
S12CANOTHTX	502	0.09	0.29	0.0	1.0
S13CANOTHTX	41	0.10	0.30	0.0	1.0
S14CANOTHTX	411	0.13	0.34	0.0	1.0
S15CANOTHTX	8	0.25	0.46	0.0	1.0
R3CANCRBW	1017	2.49	0.60	1.0	3.0
R4CANCRBW	1048	2.49	0.63	1.0	3.0
R5CANCRBW	1293	2.41	0.62	1.0	3.0
R6CANCRBW	1284	2.44	0.60	1.0	3.0
R7CANCRBW	1990	2.43	0.57	1.0	3.0

R8CANCRBW	1560	2.42	0.59	1.0	3.0
R9CANCRBW	1557	2.43	0.60	1.0	3.0
R10CANCRBW	1506	2.37	0.58	1.0	3.0
R11CANCRBW	1664	2.37	0.59	1.0	3.0
R12CANCRBW	1489	2.37	0.59	1.0	3.0
S3CANCRBW	650	2.50	0.61	1.0	3.0
S4CANCRBW	649	2.48	0.65	1.0	3.0
S5CANCRBW	819	2.41	0.63	1.0	3.0
S6CANCRBW	814	2.45	0.61	1.0	3.0
S7CANCRBW	1194	2.43	0.58	1.0	3.0
S8CANCRBW	940	2.42	0.59	1.0	3.0
S9CANCRBW	942	2.44	0.59	1.0	3.0
S10CANCRBW	944	2.35	0.59	1.0	3.0
S11CANCRBW	1016	2.36	0.59	1.0	3.0
S12CANCRBW	879	2.38	0.58	1.0	3.0
R13CANCRBWG	1439	2.91	0.96	1.0	4.0
R14CANCRBWG	2202	3.09	0.95	1.0	4.0
R15CANCRBWG	2083	3.10	0.96	1.0	4.0
S13CANCRBWG	850	2.90	0.97	1.0	4.0
S14CANCRBWG	1184	3.05	0.95	1.0	4.0
S15CANCRBWG	1124	3.12	0.94	1.0	4.0
R2CANCRNEW	578	0.08	0.27	0.0	1.0
R3CANCRNEW	1018	0.07	0.26	0.0	1.0
R4CANCRNEW	1058	0.08	0.28	0.0	1.0
R5CANCRNEW	1303	0.08	0.27	0.0	1.0
R6CANCRNEW	1303	0.07	0.25	0.0	1.0
R7CANCRNEW	2020	0.05	0.22	0.0	1.0
R8CANCRNEW	1582	0.08	0.26	0.0	1.0
R9CANCRNEW	1584	0.09	0.29	0.0	1.0
R10CANCRNEW	1564	0.07	0.26	0.0	1.0
R11CANCRNEW	1721	0.08	0.27	0.0	1.0
R12CANCRNEW	1610	0.08	0.27	0.0	1.0
R13CANCRNEW	1449	0.08	0.27	0.0	1.0
R14CANCRNEW	2228	0.04	0.21	0.0	1.0
R15CANCRNEW	2096	0.07	0.25	0.0	1.0
R16CANCRNEW	1185	0.12	0.33	0.0	1.0
S2CANCRNEW	422	0.09	0.28	0.0	1.0
S3CANCRNEW	651	0.07	0.26	0.0	1.0
S4CANCRNEW	655	0.08	0.27	0.0	1.0
S5CANCRNEW	823	0.09	0.28	0.0	1.0
S6CANCRNEW	828	0.07	0.26	0.0	1.0
S7CANCRNEW	1214	0.05	0.22	0.0	1.0
S8CANCRNEW	959	0.09	0.28	0.0	1.0
S9CANCRNEW	959	0.10	0.30	0.0	1.0
S10CANCRNEW	977	0.08	0.26	0.0	1.0
S11CANCRNEW	1041	0.08	0.27	0.0	1.0
S12CANCRNEW	952	0.07	0.26	0.0	1.0
S13CANCRNEW	854	0.07	0.26	0.0	1.0
S14CANCRNEW	1198	0.05	0.21	0.0	1.0
S15CANCRNEW	1124	0.07	0.25	0.0	1.0
S16CANCRNEW	624	0.13	0.33	0.0	1.0
R1CANCRNUM	703	1.24	0.72	1.0	9.0
R2CANCRNUM	205	1.27	0.71	1.0	7.0

R3CANCRNUM	496	1.18	0.52	0.0	6.0
R4CANCRNUM	950	1.19	0.58	0.0	9.0
R5CANCRNUM	572	1.23	0.73	1.0	10.0
R6CANCRNUM	609	1.22	0.60	1.0	8.0
S1CANCRNUM	535	1.22	0.71	1.0	9.0
S2CANCRNUM	159	1.30	0.77	1.0	7.0
S3CANCRNUM	334	1.20	0.57	0.0	6.0
S4CANCRNUM	614	1.18	0.54	0.0	4.0
S5CANCRNUM	377	1.25	0.83	1.0	10.0
S6CANCRNUM	392	1.26	0.67	1.0	8.0
R3CANCRSPR	493	0.13	0.33	0.0	1.0
R4CANCRSPR	1908	0.06	0.23	0.0	1.0
R5CANCRSPR	1758	0.06	0.23	0.0	1.0
R6CANCRSPR	1807	0.04	0.21	0.0	1.0
S3CANCRSPR	334	0.13	0.34	0.0	1.0
S4CANCRSPR	1208	0.06	0.24	0.0	1.0
S5CANCRSPR	1124	0.06	0.24	0.0	1.0
S6CANCRSPR	1146	0.05	0.22	0.0	1.0
R1CANCRYR	703	1983.57	8.95	1936.0	1993.0
R2CANCRYR	208	1993.18	1.34	1977.0	1994.0
R3CANCRYR	494	1994.25	3.39	1952.0	1996.0
R4CANCRYR	949	1993.05	8.44	1940.0	1999.0
R5CANCRYR	572	1998.54	2.12	1977.0	2000.0
R6CANCRYR	608	2000.34	3.22	1972.0	2003.0
R7CANCRYR	712	2000.79	6.05	1954.0	2005.0
R8CANCRYR	591	2003.99	4.29	1975.0	2007.0
R9CANCRYR	598	2006.17	4.03	1958.0	2008.0
R10CANCRYR	967	2005.43	7.48	1968.0	2011.0
R11CANCRYR	614	2010.50	3.41	1978.0	2013.0
R12CANCRYR	547	2011.71	6.51	1913.0	2014.0
R13CANCRYR	785	2011.44	7.69	1970.0	2018.0
R14CANCRYR	457	2016.39	3.62	1986.0	2019.0
R15CANCRYR	499	2017.47	7.27	1916.0	2021.0
R16CANCRYR	712	2017.72	8.19	1950.0	2023.0
S1CANCRYR	535	1983.71	8.70	1950.0	1993.0
S2CANCRYR	161	1993.13	1.49	1977.0	1994.0
S3CANCRYR	334	1994.07	3.93	1952.0	1996.0
S4CANCRYR	616	1993.33	7.92	1943.0	1999.0
S5CANCRYR	379	1998.43	2.46	1977.0	2000.0
S6CANCRYR	392	2000.36	3.01	1972.0	2002.0
S7CANCRYR	441	2001.01	5.84	1954.0	2005.0
S8CANCRYR	389	2003.89	4.34	1975.0	2007.0
S9CANCRYR	377	2006.20	4.08	1958.0	2008.0
S10CANCRYR	611	2005.64	7.06	1973.0	2011.0
S11CANCRYR	383	2010.39	3.77	1978.0	2013.0
S12CANCRYR	345	2011.44	7.40	1913.0	2014.0
S13CANCRYR	414	2011.83	7.05	1978.0	2018.0
S14CANCRYR	273	2016.20	4.02	1986.0	2019.0
S15CANCRYR	272	2017.33	6.38	1960.0	2021.0
S16CANCRYR	351	2018.38	6.88	1974.0	2023.0
R3CANCRMO	490	6.54	3.65	1.0	12.0
R4CANCRMO	591	6.06	3.56	1.0	12.0
R5CANCRMO	503	6.13	3.60	1.0	12.0

R6CANCRMO	517	6.21	3.33	1.0	12.0
R7CANCRMO	520	5.87	3.45	1.0	12.0
R8CANCRMO	497	6.22	3.50	1.0	12.0
R9CANCRMO	491	6.14	3.62	1.0	12.0
R10CANCRMO	573	6.47	3.39	1.0	12.0
R11CANCRMO	527	5.98	3.42	1.0	12.0
R12CANCRMO	467	6.15	3.54	1.0	12.0
R13CANCRMO	480	6.20	3.50	1.0	12.0
R14CANCRMO	387	6.05	3.36	1.0	12.0
R15CANCRMO	395	6.13	3.63	1.0	12.0
R16CANCRMO	435	6.12	3.51	1.0	12.0
S3CANCRMO	331	6.50	3.67	1.0	12.0
S4CANCRMO	384	6.22	3.56	1.0	12.0
S5CANCRMO	334	6.15	3.57	1.0	12.0
S6CANCRMO	334	6.24	3.36	1.0	12.0
S7CANCRMO	330	5.76	3.46	1.0	12.0
S8CANCRMO	329	6.19	3.49	1.0	12.0
S9CANCRMO	319	6.19	3.60	1.0	12.0
S10CANCRMO	368	6.40	3.44	1.0	12.0
S11CANCRMO	325	5.84	3.27	1.0	12.0
S12CANCRMO	287	6.31	3.44	1.0	12.0
S13CANCRMO	268	6.41	3.45	1.0	12.0
S14CANCRMO	230	6.07	3.21	1.0	12.0
S15CANCRMO	212	6.28	3.65	1.0	12.0
S16CANCRMO	225	5.95	3.45	1.0	12.0

Categorical Variable Codes

RwCANCRDR: Has R seen a dr abt cancer, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		2			3	2	5	2	2	14
.J=Web interview, missing										
.M=Missing			1							
.Q=Not asked this wv		8222								
.R=RF										
.S=Skip	11949	11251	16504	19474	17683	16166	17881	16210	14937	19384
0.No	226	10	450	533	588	634	611	624	641	747
1.Yes	477	157	1036	1377	1304	1363	1632	1633	1637	1889

Value	w11	w12	w13	w14	w15	w16
.D=DK	18	10	13	8	12	12
.J=Web interview, missing				1	1	1
.M=Missing				1		1
.Q=Not asked this wv						
.R=RF	1		1		1	
.S=Skip	17924	16213	18289	14950	13560	13620
0.No	817	893	943	814	812	782
1.Yes	1794	1631	1666	1372	1337	1371

SwCANCRDR: Has S seen a dr abt cancer, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		1			1				1	6
.J=Web interview, missing										
.M=Missing			1							
.Q=Not asked this wv		4549								
.S=Skip	9365	8611	11022	12805	11578	10442	11623	10392	9307	11938
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
0.No	175	10	224	304	318	333	320	347	348	398
1.Yes	360	119	670	871	833	864	1029	996	990	1171

Value	w11	w12	w13	w14	w15	w16
.D=DK	11	2	6	3	4	5
.J=Web interview, missing					1	
.M=Missing				1		
.Q=Not asked this wv						
.S=Skip	10966	9622	10368	8176	7307	6744
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	414	423	449	413	412	381
1.Yes	1093	965	956	765	753	710

RwCANCRTX: R had cancer treatment, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			1		1	3		3		19
.J=Web interview, missing										
.M=Missing										1
.P=Answered prev wv							2445		2656	
.R=RF										
.S=Skip			16111	19051	17683	16166	17498	15835	14547	18992
0.No			1543	1943	1540	1628	114	1870	7	2089
1.Yes			336	390	354	368	72	761	7	933

Value	w11	w12	w13	w14	w15	w16
.D=DK	12	9	2	2	1	8
.J=Web interview, missing				1		6
.M=Missing						2
.P=Answered prev wv	2977		2679		2440	
.R=RF				1		2
.S=Skip	17521	15845	17930	14554	13252	13330
0.No	29	2114	217	1881	20	1709
1.Yes	15	779	84	707	10	730

SwCANCRTX: S had cancer treatment, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK					1			1		10
.J=Web interview, missing										
.M=Missing										1
.P=Answered prev wv							1477		1568	
.R=RF										
.S=Skip			10763	12528	11578	10442	11376	10162	9064	11681
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			933	1200	909	954	76	1080	7	1207
1.Yes			221	252	242	243	43	492	7	614

Value	w11	w12	w13	w14	w15	w16
.D=DK	7	2	1	1	1	3
.J=Web interview, missing				1		3
.M=Missing						2
.P=Answered prev wv	1717		1467		1302	
.R=RF						2
.S=Skip	10722	9383	10165	7938	7149	6603
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	24	1124	105	1007	17	850
1.Yes	14	503	41	411	8	377

RwCANCHEMO: R cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		2	2		5	9	1	1		7
.P=Answered prev wv							2445		2656	
.R=RF				1						
.S=Skip	11949	18369	17655	20994	18774	17327	17612	17688	14554	21099
0.No	588	1101	167	206	527	554	48	491	4	572
1.Yes	115	170	167	183	272	275	23	289	3	356

Value	w11	w12	w13	w14	w15	w16
.D=DK	11	3	1	2		
.P=Answered prev wv	2977		2679		2440	
.R=RF						
.S=Skip	17551	17968	18149	16440	13273	
0.No	7	501	42	480	8	
1.Yes	8	275	41	224	2	

SwCANCHEMO: S cancer tx: Chemo or meds, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		1	2		2	5	1	1		4
.P=Answered prev wv							1477		1568	
.S=Skip	9365	12379	11696	13728	12204	11103	11452	11224	9071	12898
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	449	604	105	128	336	345	29	328	4	372
1.Yes	86	106	114	124	188	186	13	182	3	239

Value	w11	w12	w13	w14	w15	w16
.D=DK	7	1				
.P=Answered prev wv	1717		1467		1302	
.S=Skip	10746	10509	10271	8947	7167	
.U=Unmarried	7473	7125	8024	6678	6193	
.V=Spouse NR	597	610	1109	1110	1053	
0.No	7	335	25	283	6	
1.Yes	7	167	16	128	2	

RwCANSURBX: R cancer tx: Surg or biopsy, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		2	2		5	9	1	1		7
.P=Answered prev wv							2445		2656	
.R=RF				1						
.S=Skip	11949	18369	17655	20994	18774	17327	17612	17688	14554	21099
0.No	564	1048	234	272	362	415	25	426	4	489
1.Yes	139	223	100	117	437	414	46	354	3	439

Value	w11	w12	w13	w14	w15	w16
.D=DK						
.P=Answered prev wv						
.R=RF						
.S=Skip						
0.No						
1.Yes						

SwCANSURBX: S cancer tx: Surg or biopsy, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		1	2		2	5	1	1		4
.P=Answered prev wv							1477		1568	
.S=Skip	9365	12379	11696	13728	12204	11103	11452	11224	9071	12898
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	428	560	155	177	224	274	13	282	4	318
1.Yes	107	150	64	75	300	257	29	228	3	293

Value	w11	w12	w13	w14	w15	w16
.D=DK						
.P=Answered prev wv						
.S=Skip						
.U=Unmarried						
.V=Spouse NR						
0.No						
1.Yes						

RwCANSURG: R cancer tx: Surgery, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										
.P=Answered prev wv										
.S=Skip										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK	11	3	1	2		
.P=Answered prev wv	2977		2679		2440	
.S=Skip	17551	17968	18149	16440	13273	
0.No	11	420	45	401	5	
1.Yes	4	356	38	303	5	

SwCANSURG: S cancer tx: Surgery, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										
.P=Answered prev wv										
.S=Skip										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK	7	1				
.P=Answered prev wv	1717		1467		1302	
.S=Skip	10746	10509	10271	8947	7167	
.U=Unmarried	7473	7125	8024	6678	6193	
.V=Spouse NR	597	610	1109	1110	1053	
0.No	10	270	18	215	5	
1.Yes	4	232	23	196	3	

RwCANBIO: R cancer tx: Biopsy, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										
.P=Answered prev wv										
.S=Skip										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK	11	3	1	2		
.P=Answered prev wv	2977		2679		2440	
.S=Skip	17551	17968	18149	16440	13273	
0.No	13	722	72	639	8	
1.Yes	2	54	11	65	2	

SwCANBIO: S cancer tx: Biopsy, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										
.P=Answered prev wv										
.S=Skip										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK	7	1				
.P=Answered prev wv	1717		1467		1302	
.S=Skip	10746	10509	10271	8947	7167	
.U=Unmarried	7473	7125	8024	6678	6193	
.V=Spouse NR	597	610	1109	1110	1053	
0.No	12	469	37	369	7	
1.Yes	2	33	4	42	1	

RwCANRADX: R cancer tx: Radiation/x-ray, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		2	2		5	9	1	1		7
.P=Answered prev wv							2445		2656	
.R=RF				1						
.S=Skip	11949	18369	17655	20994	18774	17327	17612	17688	14554	21099
0.No	619	1129	257	281	583	617	54	573	5	659
1.Yes	84	142	77	108	216	212	17	207	2	269

Value	w11	w12	w13	w14	w15	w16
.D=DK						
.P=Answered prev wv						
.R=RF						
.S=Skip						
0.No						
1.Yes						

SwCANRADX: S cancer tx: Radiation/x-ray, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		1	2		2	5	1	1		4
.P=Answered prev wv							1477		1568	
.S=Skip	9365	12379	11696	13728	12204	11103	11452	11224	9071	12898
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	477	608	166	184	379	388	34	373	5	429
1.Yes	58	102	53	68	145	143	8	137	2	182

Value	w11	w12	w13	w14	w15	w16
.D=DK						
.P=Answered prev wv						
.S=Skip						
.U=Unmarried						
.V=Spouse NR						
0.No						
1.Yes						

RwCANRAD: R cancer tx: Radiation, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										
.P=Answered prev wv										
.S=Skip										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK	11	3	1	2		
.P=Answered prev wv	2977		2679		2440	
.S=Skip	17551	17968	18149	16440	13273	
0.No	12	563	52	542	9	
1.Yes	3	213	31	162	1	

SwCANRAD: S cancer tx: Radiation, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										
.P=Answered prev wv										
.S=Skip										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK	7	1				
.P=Answered prev wv	1717		1467		1302	
.S=Skip	10746	10509	10271	8947	7167	
.U=Unmarried	7473	7125	8024	6678	6193	
.V=Spouse NR	597	610	1109	1110	1053	
0.No	11	372	30	325	7	
1.Yes	3	130	11	86	1	

RwCANXRAY: R cancer tx: X-ray, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										
.P=Answered prev wv										
.S=Skip										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK	11	3	1	2		
.P=Answered prev wv	2977		2679		2440	
.S=Skip	17551	17968	18149	16440	13273	
0.No	14	756	79	669	10	
1.Yes	1	20	4	35		

SwCANXRAY: S cancer tx: X-ray, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										
.P=Answered prev wv										
.S=Skip										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK	7	1				
.P=Answered prev wv	1717		1467		1302	
.S=Skip	10746	10509	10271	8947	7167	
.U=Unmarried	7473	7125	8024	6678	6193	
.V=Spouse NR	597	610	1109	1110	1053	
0.No	13	492	39	391	8	
1.Yes	1	10	2	20		

RwCANMEDTX: R cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			2		5	9	1	1		7
.P=Answered prev wv							2445		2656	
.R=RF				1						
.S=Skip			17655	20994	18774	17327	17612	17688	14554	21099
0.No			233	236	653	697	56	612	5	769
1.Yes			101	153	146	132	15	168	2	159

Value	w11	w12	w13	w14	w15	w16
.D=DK	11	3	1	2		
.P=Answered prev wv	2977		2679		2440	
.R=RF						
.S=Skip	17551	17968	18149	16440	13273	
0.No	11	647	62	551	8	
1.Yes	4	129	21	153	2	

SwCANMEDTX: S cancer tx: symptom mgmt, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			2		2	5	1	1		4
.P=Answered prev wv							1477		1568	
.S=Skip			11696	13728	12204	11103	11452	11224	9071	12898
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			154	151	432	445	36	399	5	513
1.Yes			65	101	92	86	6	111	2	98

Value	w11	w12	w13	w14	w15	w16
.D=DK	7	1				
.P=Answered prev wv	1717		1467		1302	
.S=Skip	10746	10509	10271	8947	7167	
.U=Unmarried	7473	7125	8024	6678	6193	
.V=Spouse NR	597	610	1109	1110	1053	
0.No	10	422	29	324	7	
1.Yes	4	80	12	87	1	

RwCANNOTX: R cancer tx: No treatment, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		2	2		5	9	1	1		7
.P=Answered prev wv							2445		2656	
.R=RF				1						
.S=Skip	11949	18369	17655	20994	18774	17327	17612	17688	14554	21099
0.No	305	472	320	385	743	758	70	757	6	919
1.Yes	398	799	14	4	56	71	1	23	1	9

Value	w11	w12	w13	w14	w15	w16
.D=DK	11	3	1	2		
.P=Answered prev wv	2977		2679		2440	
.R=RF						
.S=Skip	17551	17968	18149	16440	13273	
0.No	15	764	82	683	10	
1.Yes		12	1	21		

SwCANNOTX: S cancer tx: No treatment, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		1	2		2	5	1	1		4
.P=Answered prev wv							1477		1568	
.S=Skip	9365	12379	11696	13728	12204	11103	11452	11224	9071	12898
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	224	302	209	250	499	483	41	490	6	605
1.Yes	311	408	10	2	25	48	1	20	1	6

Value	w11	w12	w13	w14	w15	w16
.D=DK	7	1				
.P=Answered prev wv	1717		1467		1302	
.S=Skip	10746	10509	10271	8947	7167	
.U=Unmarried	7473	7125	8024	6678	6193	
.V=Spouse NR	597	610	1109	1110	1053	
0.No	14	494	41	399	8	
1.Yes		8		12		

RwCANOTHTX: R cancer tx: Othr treatment, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		2	2		5	9	1	1		7
.P=Answered prev wv							2445		2656	
.R=RF				1						
.S=Skip	11949	18369	17655	20994	18774	17327	17612	17688	14554	21099
0.No	656	1192	294	336	782	807	70	711	7	843
1.Yes	47	79	40	53	17	22	1	69		85

Value	w11	w12	w13	w14	w15	w16
.D=DK	11	3	1	2		
.P=Answered prev wv	2977		2679		2440	
.R=RF						
.S=Skip	17551	17968	18149	16440	13273	
0.No	14	709	75	613	7	
1.Yes	1	67	8	91	3	

SwCANOTHTX: S cancer tx: Othr treatment, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		1	2		2	5	1	1		4
.P=Answered prev wv							1477		1568	
.S=Skip	9365	12379	11696	13728	12204	11103	11452	11224	9071	12898
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	506	660	196	215	513	519	41	465	7	555
1.Yes	29	50	23	37	11	12	1	45		56

Value	w11	w12	w13	w14	w15	w16
.D=DK	7	1				
.P=Answered prev wv	1717		1467		1302	
.S=Skip	10746	10509	10271	8947	7167	
.U=Unmarried	7473	7125	8024	6678	6193	
.V=Spouse NR	597	610	1109	1110	1053	
0.No	13	457	37	357	6	
1.Yes	1	45	4	54	2	

RwCANCRBW: R cancer better or worse, since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			2	12	9	18	29	26	26	56
.R=RF				1	1	2	4	1	2	6
.S=Skip			16972	20323	18275	16861	18106	16882	15632	20466
1.Worse			53	74	90	71	84	79	86	81
2.About the same			410	384	584	576	962	754	720	790
3.Better			554	590	619	637	944	727	751	635

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	68	112				
.R=RF	5	12				
.S=Skip	18817	17134				
1.Worse	96	84				
2.About the same	857	764				
3.Better	711	641				

SwCANCRBW: S cancer better or worse, since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			1	8	4	13	17	21	17	34
.R=RF				1		1	2	1		2
.S=Skip			11266	13322	11907	10811	11759	10773	9687	12533
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
1.Worse			39	55	62	49	53	50	47	56
2.About the same			244	225	363	349	569	447	430	497
3.Better			367	369	394	416	572	443	465	391

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	33	65				
.R=RF	3	9				
.S=Skip	11432	10059				
.U=Unmarried	7473	7125				
.V=Spouse NR	597	610				
1.Worse	60	42				
2.About the same	527	461				
3.Better	429	376				

RwCANCRBWG: R cancer status, since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip										
1.Worse										
2.About the same										
3.Better										
4.Gone or in remission										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			14	23	21	
.J=Web interview, missing				5		
.M=Oth missing			1			
.R=RF			1	5	2	
.S=Skip			19457	14911	13617	
1.Worse			76	62	77	
2.About the same			499	719	622	
3.Better			341	382	392	
4.Gone or in remission			523	1039	992	

SwCANCRBWG: S cancer status, since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.R=RF										
.S=Skip										
.U=Unmarried										
.V=Spouse NR										
1.Worse										
2.About the same										
3.Better										
4.Gone or in remission										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			6	10	7	
.J=Web interview, missing				5		
.R=RF			1	2		
.S=Skip			10922	8157	7346	
.U=Unmarried			8024	6678	6193	
.V=Spouse NR			1109	1110	1053	
1.Worse			50	34	40	
2.About the same			295	404	316	
3.Better			198	214	235	
4.Gone or in remission			307	532	533	

RwCANCRNEW: R new cancer excluding skin cancer, since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	2	1	3		1	4	5	1	4	
.J=Web interview, missing										
.M=Missing										
.Q=Not asked this wv	8222									
.R=RF										
.S=Skip	10840	16972	20323	18275	16861	18105	16882	15632	20466	
0.No	532	943	970	1198	1216	1913	1463	1436	1449	
1.Yes	46	75	88	105	87	107	119	148	115	

Value	w11	w12	w13	w14	w15	w16
.D=DK	16	3	4	6	9	7
.J=Web interview, missing				1	1	1
.M=Missing			1			
.Q=Not asked this wv						
.R=RF			1			
.S=Skip	18817	17134	19457	14911	13617	14594
0.No	1589	1482	1336	2129	1957	1040
1.Yes	132	128	113	99	139	145

SwCANCRNEW: S new cancer excluding skin cancer, since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		1		3				3		3
.J=Web interview, missing										
.Q=Not asked this wv		4549								
.R=RF										
.S=Skip		8318	11266	13322	11907	10811	11758	10773	9687	12533
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		384	417	536	311	220	380	317	365	724
0.No		385	604	604	750	768	1153	876	861	903
1.Yes		37	47	51	73	60	61	83	98	74

Value	w11	w12	w13	w14	w15	w16
.D=DK	11	1	2	2	6	4
.J=Web interview, missing				1	1	
.Q=Not asked this wv						
.R=RF			1			
.S=Skip	11432	10059	10922	8157	7346	7212
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	959	884	794	1144	1048	545
1.Yes	82	68	60	54	76	79

RwCANCRSPR: R cancer spread, since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			6	20	17	26				
.R=RF				1	2					
.S=Skip			17492	19455	17801	16332				
0.No			430	1798	1656	1726				
1.Yes			63	110	102	81				

Value	w11	w12	w13	w14	w15	w16
.D=DK						
.R=RF						
.S=Skip						
0.No						
1.Yes						

SwCANCRSPR: S cancer spread, since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			2	16	6	18				
.R=RF					1					
.S=Skip			11581	12756	11599	10475				
.U=Unmarried			5657	6868	6537	6306				
.V=Spouse NR			417	536	311	220				
0.No			291	1135	1055	1090				
1.Yes			43	73	69	56				

Value	w11	w12	w13	w14	w15	w16
.D=DK						
.R=RF						
.S=Skip						
.U=Unmarried						
.V=Spouse NR						
0.No						
1.Yes						

How Constructed

Respondents who report having been diagnosed with cancer (captured in RwCANCR) are asked a series of follow-up questions about treatment and disease progression. If a Respondent indicates that they don't have, dispute having, refuse, or don't know if they have been diagnosed with cancer, then all subsequent cancer questions are not asked and the variables are set to ".S=Skip, question not asked."

RwCANCRDR indicates if a Respondent has seen a doctor about their cancer in the last two years or since their prior interview. In Wave 1 and from Wave 3 forward, if this is the first wave a Respondent reports having cancer, then this question is not asked and RwCANCRDR is set to ".S=Skip, question not asked." In Wave 2H, if a Respondent reported having cancer in Wave 1 then this question is not asked and RwCANCRDR is set to ".S=Skip, question not asked."

RwCANCRTX indicates if a Respondent has received any treatment for their cancer in the last two years or since their prior interview and is available from Wave 3 forward. In Wave 5 and Wave 6, if this is the first wave a Respondent reports having cancer, then this question is not asked and RwCANCRTX is set to ".S=Skip, question not asked." From Wave 7 forward, RwCANCRTX is asked only of new Respondents in odd waves. For re-interviewees, RwCANCRTX is skipped and RwCANCRTX is set to ".P=Answered prev wv."

The treatments options that could be reported varied slightly across years. In Waves 1, 2A, and 2H, all Respondents who report having been diagnosed with cancer are asked their treatment options and Respondents could report the following treatment options: chemotherapy/medication; surgery or biopsy; radiation/x-ray; other (specify); or none. These are captured in RwCANCHEMO, RwCANSURBX, RwCANRADX, RwCANOTHTX, and RwCANNOTX, respectively. From Wave 3 to Wave 10, Respondents had an additional treatment option of medications/treatment for symptoms (pain, nausea, rashes), captured in RwCANMEDTX. For Waves 11-15, The "surgery or biopsy" and the "radiation/x-ray" options are decoupled. Respondents could now independently report surgery, biopsy, radiation, and x-ray treatments which are captured as RwCANSURG, RwCANBIO, RwCANRAD and RwCANXRAY, respectively. From Wave 3 to Wave 15, the treatment options are skipped if the Respondent does not indicate receiving cancer treatment in RwCANCRTX and all treatment options are set to ".S=Skip, question not asked." From Wave 7 to Wave 15, the treatment options are asked only of new Respondents in odd waves. For re-interviewees, these questions are skipped and all treatment options are set to ".P=Answered prev wv." Starting in Wave 16, Respondents are no longer asked about specific treatment options.

From Wave 3 to Wave 12, Respondents who have previously reported having been diagnosed with cancer are asked, since their last interview, "has the cancer gotten worse, better or stayed about the same?" This is captured in RwCANCRBW. From Wave 13 to Wave 15, the same question is asked with an additional volunteered option: "[VOL] Cancer is gone or in remission." This is

captured in RwCANCRBWG. For phone and in-person interviews, the gone or in remission option is only included if the Respondent volunteers it. For web interviews (Wave 14 and Wave 15), this option is included as a listed response choice. The addition of the gone or in remission option results in notable differences in response distributions, particularly for the "better" and "about the same" responses, compared with earlier waves. If this is the first wave a Respondent reports having cancer, then this question is not asked and RwCANCRBW/RwCANCRBWG is set to ".S=Skip, question not asked." Starting in Wave 16, Respondents are no longer asked about the status of their cancer.

RwCANCRNEW and RwCANCRSPR indicate if the Respondent has had a new cancer diagnosis or if their cancer has spread since their prior interview, respectively. RwCANCRNEW is available from Wave 2 forward and RwCANCRSPR is available from Wave 3 to Wave 6. If this is the first wave a Respondent reports having cancer, or if the Respondent did not see a doctor about cancer (RwCANCRDR not equal 1) and the Respondent did not receive cancer treatment (RwCANCRTX not equal 1) since last interview, then these questions are not asked and RwCANCRNEW and RwCANCRSPR are set to ".S=Skip, question not asked." In Wave 3, if the Respondent does not indicate a new cancer diagnosis (RwCANCRNEW not equal 1), then the question about if the cancer has spread is not asked and RwCANCRSPR is set to ".S=Skip, question not asked."

RwCANCRNUM indicates the number of cancers a Respondent has reported being diagnosed with. In Wave 1, all Respondents who report having been diagnosed with cancer are asked this question. This question is not asked in Wave 2A. In Wave 2H and from Wave 3 forward, if the Respondent did not see a doctor about cancer (RwCANCRDR not equal 1) and the Respondent did not receive cancer treatment (RwCANCRTX not equal 1) since last interview, or if the Respondent reported not having a new cancer diagnosis (RwCANCRNEW not equal 1), then then this question is not asked and RwCANCRNUM is set to ".S=Skip, question not asked."

RwCANCRYR and RwCANCRMO provide the year and month of the Respondent's most recent cancer diagnosis. RwCANCRMO is available from Wave 3 forward. These questions are not asked in Wave 2A. In Wave 2H and from Wave 3 forward, if no cancer diagnosis since last interview was reported (RwCANCRNEW not equal 1), these questions are skipped and RwCANCRYR and RwCANCRMO are set to ".S=Skip, question not asked." If a cancer diagnosis was reported but it was more than two years ago or the year was not reported the month question is not asked and RwCANCRMO is set to ".S=Skip, question not asked."

The spouse cancer variables are taken from the Wave "w" spouse's self-reported information, e.g., S3CANCRDR is taken from the Wave 3 spouse's R3CANCRDR.

Cross Wave Differences in Original HRS Data

The questions used to derive RwCANCRDR, RwCANCRNEW, RwCANCRNUM, RwCANCRYR, and RwCANCRMO are not asked in Wave 2A so they are set to ".Q=Not asked this wv" for Respondents in the AHEAD Cohort in Wave 2.

In Wave 1 and from Wave 3 forward, if this is the first wave a Respondent reports having cancer, then the question about seeing a doctor about cancer is not asked and RwCANCRDR is set to ".S=Skip, question not asked." In Wave 2H, if a Respondent reported having cancer in Wave 1 then this question is not asked and RwCANCRDR is set to ".S=Skip, question not asked."

RwCANCRTX is available from Wave 3 forward. In Wave 5 and Wave 6, if this is the first wave a Respondent reports having cancer, then this question is not asked and RwCANCRTX is set to ".S=Skip, question not asked." From Wave 7 forward, RwCANCRTX is asked only of new Respondents in odd waves. For re-interviewees, RwCANCRTX is skipped and RwCANCRTX is set to ".P=Answered prev wv."

From Waves 1-10, the treatment options a Respondent can report are stored in RwCANCHEMO, RwCANSURBX, RwCANRADX, RwCANNOTX and RwCANOTHTX. In Wave 2H, Respondents are asked to report treatments for up to two cancers separately. Both sets of responses are used in the construction of the Wave 2 variables for the Wave 2H Respondents. RwCANMEDTX is an option from Wave 4 forward. From Waves 11-15, the treatment options change, and the variables RwCANSURG, RwCANBIO, RwCANRAD and RwCANXRAY replace RwCANSURBX and RwCANRADX. From Wave 3 to Wave 15, the treatment options are skipped if the Respondent does not indicate receiving cancer treatment in RwCANCRTX and all treatment options are set to ".S=Skip, question not asked." From Wave 7 to Wave 15, the treatment options are asked only of new Respondents in odd waves. For re-interviewees, these questions are skipped and all treatment options are set to ".P=Answered prev wv." Starting in Wave 16, Respondents are no longer asked about treatment options so these variables are not available from Wave 16 forward.

RwCANCRBW is available from Wave 3 to Wave 12 and RwCANCRBWG is available from Wave 13 to Wave 15. These variables provide the Respondent's answer to the question, since their last interview, "has the cancer gotten worse, better or stayed about the same?" From Wave 13 to Wave 15, there is an additional volunteered option: "[VOL] Cancer is gone or in remission." For phone and in-person interviews, the gone or in remission option is only included if the Respondent volunteers it. For web interviews (Wave 14 and Wave 15), this option is included as a listed response choice. Starting in Wave 16, Respondents are no longer asked about the status of their cancer.

RwCANCRNEW is available from Wave 2 forward and RwCANCRSPR is available from Wave 3 to Wave 6. In Wave 3, if the Respondent does not indicate a new cancer diagnosis (RwCANCRNEW not equal 1), then the question about if the cancer has spread is not asked and RwCANCRSPR is set to ".S=Skip, question not asked."

In Wave 1, all Respondents who report having been diagnosed with cancer are asked the question used to derive RwCANCRNUM. In Wave 2H and from Wave 3 forward, if the Respondent did not see a doctor about cancer (RwCANCRDR not equal 1) and the Respondent did not receive cancer treatment (RwCANCRTX not equal 1) since last interview, or if the Respondent reported not having a new cancer diagnosis (RwCANCRNEW not equal 1), then then this question is not asked and RwCANCRNUM is set to ".S=Skip, question not asked."

RwCANCRMO is available from Wave 3 forward. In Wave 2H and from Wave 3 forward, if no cancer diagnosis since last interview was reported (RwCANCRNEW not equal 1), the year and month of last cancer diagnosis questions are skipped and RwCANCRYR and RwCANCRMO are set to ".S=Skip, question not asked."

HRS Variables Used

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HRS 1992:
    V337            B9: CANCER/MALIGN TU:IMP
    V338            B9A:NUMBER OF CANCER:IMP
    V339            B10:YEAR LAST CANCER:IMP
    V341            B12:1ST:DOCTR IN LAS:IMP
    V342            B13:1ST:CHEMOTHERAPY:IMP
    V343            B13:1ST:SURGRY OR BI:IMP
    V344            B13:1ST:RADIATION/X-:IMP
    V345            B13:1ST:OTHER       :IMP
    V349            B13:2ND:CHEMO/MEDICA:IMP
    V350            B13:2ND:SURGERY/BIOP:IMP
    V351            B13:2ND:RADIATION/X-:IMP
    V352            B13:2ND:OTHER       :IMP
AHEAD 1993:
    B225            B5. CANCER EVER
    B232A1          B5b. CANCER TREATMENT TYPE-1
    B232A2          B5b. CANCER TREATMENT TYPE-2
    B232A3          B5b. CANCER TREATMENT TYPE-3
    B232A4          B5b. CANCER TREATMENT TYPE-4
HRS 1994:
    W339            B9.CANCER/MALIGNANT TUMO
    W340            B9a.NEW CANCERS SINCE W1
    W341            B9b.NUMBER OF CANCERS
    W342            1: B10.YEAR DIAGNOSED
    W344            1: B12.SEEN A DOCTOR
    W345            1: B13.TREATMENTS
    W346            1: B13.TREATMENTS
    W347            1: B13.TREATMENTS
    W348            1: B13.TREATMENTS
    W349            1: B13.TREATMENTS
    W350            1: B13.TREATMENTS
    W351            1: B13.TREATMENTS
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    W354            2: B12.SEEN A DOCTOR
    W355            2: B13.TREATMENTS
    W356            2: B13.TREATMENTS
    W357            2: B13.TREATMENTS
AHEAD 1995:
    D111            W1 CANCER V225
    D370            W1 INTERV
    D801            B5.CANCER
    D802            B5A. DOCTOR PAST CANCER
    D803            B5B. PAST CANCER TREATED
    D804M1          B5C. CANCER TREATMENT
    D804M2          B5C. CANCER TREATMENT
    D804M3          B5C. CANCER TREATMENT
    D804M4          B5C. CANCER TREATMENT
    D805            B5D. CANCER BETTER NOW
    D806            B5E. NEW CANCER?
    D807            B5F. NUMBER CANCERS
    D812            B5H. CANCER SPREAD
    D813            B5J.DATE RECENT CANCER
    D814            B5K.YEAR RECENT CANCER
HRS 1996:
    E111            PREV WAVE CANCER V225
    E370            PREV WAVE INTERV
    E801            B5.CANCER
    E802            B5A. DOCTOR PAST CANCER
    E803            B5B. PAST CANCER TREATED
    E804M1          B5C. CANCER TREATMENT
    E804M2          B5C. CANCER TREATMENT
    E804M3          B5C. CANCER TREATMENT
    E804M4          B5C. CANCER TREATMENT
    E805            B5D. CANCER BETTER NOW
    E806            B5E. NEW CANCER?
    E807            B5F. NUMBER CANCERS
    E812            B5H. CANCER SPREAD
    E813            B5J.DATE RECENT CANCER
    E814            B5K.YEAR RECENT CANCER
HRS 1998:
    F1129           B5.CANCER
    F1130           B5A. DOCTOR PAST CANCER
    F1131           B5B. PAST CANCER TREATED
    F1132M1         B5C. CANCER TREATMENT
    F1132M2         B5C. CANCER TREATMENT
    F1132M3         B5C. CANCER TREATMENT
    F1132M4         B5C. CANCER TREATMENT
    F1133           B5D. CANCER BETTER NOW
    F1134           B5E. NEW CANCER?
    F1135           B5F. NUMBER CANCERS
    F1140           B5H. CANCER SPREAD
    F1141           B5J.YEAR RECENT CANCER
    F1142           B5K.MONTH RECENT CANCER
    F232            PREV WAVE CANCER
    F682            PREVIOUS WAVE INTERV
HRS 2000:
    G1262           B5.CANCER
    G1263           B5A. DOCTOR PAST CANCER
    G1264           B5B. PAST CANCER TREATED
    G1265M1         B5C. CANCER TREATMENT
    G1265M2         B5C. CANCER TREATMENT
    G1265M3         B5C. CANCER TREATMENT
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    G1265M4         B5C. CANCER TREATMENT
    G1266           B5D. CANCER BETTER NOW
    G1267           B5E. NEW CANCER?
    G1268           B5F. NUMBER CANCERS
    G1273           B5H. CANCER SPREAD
    G1274           B5J.YEAR RECENT CANCER
    G1275           B5K.MONTH RECENT CANCER
    G232            PR232.PREV WAVE CANCER
    G753            CS22Y30.PREVIOUS WAVE INTERV
HRS 2002:
    HC021M5         CANCER TREATMENT-TYPE- 5
    HC025           NUMBER OF DIFFERENT CANCERS
    HC027           CANCER SPREAD
HRS 2006:
    KC021M5         CANCER TREATMENT-TYPE
HRS 2006:
    KC021M6         CANCER TREATMENT-TYPE
HRS 2010:
    MC021M5         CANCER TREATMENT-TYPE -5
HRS 2010:
    MC021M6         CANCER TREATMENT-TYPE -6
HRS 2012:
    NC021M5         CANCER TREATMENT-TYPE -5
HRS 2012:
    NC021M6         CANCER TREATMENT-TYPE -6
HRS 2014:
    OC021M5         CANCER TREATMENT-TYPE -5
HRS 2014:
    OC021M6         CANCER TREATMENT-TYPE -6
HRS 2016:
    PC021M5         CANCER TREATMENT-TYPE- 5
HRS 2016:
    PC021M6         CANCER TREATMENT-TYPE- 6
HRS 2018:
    QC021M5         CANCER TREATMENT-TYPE- 5
HRS 2018:
    QC021M6         CANCER TREATMENT-TYPE- 6
HRS 2020:
    RC021M5         CANCER TREATMENT-TYPE- 5
HRS 2002-2020:
    xC021M1         CANCER TREATMENT-TYPE- 1
    xC021M2         CANCER TREATMENT-TYPE- 2
    xC021M3         CANCER TREATMENT-TYPE- 3
    xC021M4         CANCER TREATMENT-TYPE- 4
    xC023           CANCER BETTER/WORSE/SAME NOW
HRS 2002-2022:
    xC018           CANCER OF ANY KIND EXCLUDING SKIN
    xC019           R SEEN DOC CONCERNING CANCER
    xC020           PAST CANCER TREATED
    xC024           NEW CANCER EXCLUDING SKIN
    xC028           YEAR RECENT CANCER
    xC029           MONTH RECENT CANCER
    xIWYEAR         2002 INTERVIEW YEAR
    xZ076           R EVER INTERVIEWED
    xZ103           PREV WAVE R HAS CANCER
HRS 2004-2022:
    xC185           DIFFERENT REPORTER FROM PREV IW
HRS 2014-2018:
    xC021M7         CANCER TREATMENT-TYPE -7
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Heart: Heart disease and treatment

Wave	Variable	Label	Type
3	R3HRTMED	R3HRTMED:W3 R reports heart meds this wv	Categ
4	R4HRTMED	R4HRTMED:W4 R reports heart meds this wv	Categ
5	R5HRTMED	R5HRTMED:W5 R reports heart meds this wv	Categ
6	R6HRTMED	R6HRTMED:W6 R reports heart meds this wv	Categ
7	R7HRTMED	R7HRTMED:W7 R reports heart meds this wv	Categ
8	R8HRTMED	R8HRTMED:W8 R reports heart meds this wv	Categ
9	R9HRTMED	R9HRTMED:W9 R reports heart meds this wv	Categ
10	R10HRTMED	R10HRTMED:W10 R reports heart meds this wv	Categ
11	R11HRTMED	R11HRTMED:W11 R reports heart meds this wv	Categ
12	R12HRTMED	R12HRTMED:W12 R reports heart meds this wv	Categ
13	R13HRTMED	R13HRTMED:W13 R reports heart meds this wv	Categ
14	R14HRTMED	R14HRTMED:W14 R reports heart meds this wv	Categ
15	R15HRTMED	R15HRTMED:W15 R reports heart meds this wv	Categ
16	R16HRTMED	R16HRTMED:W16 R reports heart meds this wv	Categ
3	S3HRTMED	S3HRTMED:W3 S reports heart meds this wv	Categ
4	S4HRTMED	S4HRTMED:W4 S reports heart meds this wv	Categ
5	S5HRTMED	S5HRTMED:W5 S reports heart meds this wv	Categ
6	S6HRTMED	S6HRTMED:W6 S reports heart meds this wv	Categ
7	S7HRTMED	S7HRTMED:W7 S reports heart meds this wv	Categ
8	S8HRTMED	S8HRTMED:W8 S reports heart meds this wv	Categ
9	S9HRTMED	S9HRTMED:W9 S reports heart meds this wv	Categ
10	S10HRTMED	S10HRTMED:W10 S reports heart meds this wv	Categ
11	S11HRTMED	S11HRTMED:W11 S reports heart meds this wv	Categ
12	S12HRTMED	S12HRTMED:W12 S reports heart meds this wv	Categ
13	S13HRTMED	S13HRTMED:W13 S reports heart meds this wv	Categ
14	S14HRTMED	S14HRTMED:W14 S reports heart meds this wv	Categ
15	S15HRTMED	S15HRTMED:W15 S reports heart meds this wv	Categ
16	S16HRTMED	S16HRTMED:W16 S reports heart meds this wv	Categ
1	R1HRTDOC	R1HRTDOC:W1 R saw Dr. for heart problems, prv 12 mos	Categ
2	R2HRTDOC	R2HRTDOC:W2 R saw Dr. for heart problems, prv 12 mos	Categ
3	R3HRTDOC	R3HRTDOC:W3 R saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
4	R4HRTDOC	R4HRTDOC:W4 R saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
5	R5HRTDOC	R5HRTDOC:W5 R saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
6	R6HRTDOC	R6HRTDOC:W6 R saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
7	R7HRTDOC	R7HRTDOC:W7 R saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
8	R8HRTDOC	R8HRTDOC:W8 R saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
9	R9HRTDOC	R9HRTDOC:W9 R saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
10	R10HRTDOC	R10HRTDOC:W10 R saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
11	R11HRTDOC	R11HRTDOC:W11 R saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
12	R12HRTDOC	R12HRTDOC:W12 R saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
13	R13HRTDOC	R13HRTDOC:W13 R saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
14	R14HRTDOC	R14HRTDOC:W14 R saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
15	R15HRTDOC	R15HRTDOC:W15 R saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
16	R16HRTDOC	R16HRTDOC:W16 R saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
1	S1HRTDOC	S1HRTDOC:W1 S saw Dr. for heart problems, prv 12 mos	Categ
2	S2HRTDOC	S2HRTDOC:W2 S saw Dr. for heart problems, prv 12 mos	Categ
3	S3HRTDOC	S3HRTDOC:W3 S saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
4	S4HRTDOC	S4HRTDOC:W4 S saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
5	S5HRTDOC	S5HRTDOC:W5 S saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
6	S6HRTDOC	S6HRTDOC:W6 S saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
7	S7HRTDOC	S7HRTDOC:W7 S saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
8	S8HRTDOC	S8HRTDOC:W8 S saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
9	S9HRTDOC	S9HRTDOC:W9 S saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
10	S10HRTDOC	S10HRTDOC:W10 S saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
11	S11HRTDOC	S11HRTDOC:W11 S saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
12	S12HRTDOC	S12HRTDOC:W12 S saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
13	S13HRTDOC	S13HRTDOC:W13 S saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
14	S14HRTDOC	S14HRTDOC:W14 S saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
15	S15HRTDOC	S15HRTDOC:W15 S saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
16	S16HRTDOC	S16HRTDOC:W16 S saw Dr. for heart problems, prv 2 yrs/since PrvIvw	Categ
2	R2HATKR	R2HATKR:W2 R reports heart attack, prv 5-,2-yr(A,H)	Categ
3	R3HATKR	R3HATKR:W3 R had heart attack, prv 2 yrs/since PrvIvw	Categ

4	R4HATKR	R4HATKR:W4 R had heart attack, prv 2 yrs/since PrvIvw	Categ
5	R5HATKR	R5HATKR:W5 R had heart attack, prv 2 yrs/since PrvIvw	Categ
6	R6HATKR	R6HATKR:W6 R had heart attack, prv 2 yrs/since PrvIvw	Categ
7	R7HATKR	R7HATKR:W7 R had heart attack, prv 2 yrs/since PrvIvw	Categ
8	R8HATKR	R8HATKR:W8 R had heart attack, prv 2 yrs/since PrvIvw	Categ
9	R9HATKR	R9HATKR:W9 R had heart attack, prv 2 yrs/since PrvIvw	Categ
10	R10HATKR	R10HATKR:W10 R had heart attack, prv 2 yrs/since PrvIvw	Categ
11	R11HATKR	R11HATKR:W11 R had heart attack, prv 2 yrs/since PrvIvw	Categ
12	R12HATKR	R12HATKR:W12 R had heart attack, prv 2 yrs/since PrvIvw	Categ
13	R13HATKR	R13HATKR:W13 R had heart attack, prv 2 yrs/since PrvIvw	Categ
14	R14HATKR	R14HATKR:W14 R had heart attack, prv 2 yrs/since PrvIvw	Categ
15	R15HATKR	R15HATKR:W15 R had heart attack, prv 2 yrs/since PrvIvw	Categ
16	R16HATKR	R16HATKR:W16 R had heart attack, prv 2 yrs/since PrvIvw	Categ
2	S2HATKR	S2HATKR:W2 S reports heart attack, prv 5-,2-yr(A,H)	Categ
3	S3HATKR	S3HATKR:W3 S had heart attack, prv 2 yrs/since PrvIvw	Categ
4	S4HATKR	S4HATKR:W4 S had heart attack, prv 2 yrs/since PrvIvw	Categ
5	S5HATKR	S5HATKR:W5 S had heart attack, prv 2 yrs/since PrvIvw	Categ
6	S6HATKR	S6HATKR:W6 S had heart attack, prv 2 yrs/since PrvIvw	Categ
7	S7HATKR	S7HATKR:W7 S had heart attack, prv 2 yrs/since PrvIvw	Categ
8	S8HATKR	S8HATKR:W8 S had heart attack, prv 2 yrs/since PrvIvw	Categ
9	S9HATKR	S9HATKR:W9 S had heart attack, prv 2 yrs/since PrvIvw	Categ
10	S10HATKR	S10HATKR:W10 S had heart attack, prv 2 yrs/since PrvIvw	Categ
11	S11HATKR	S11HATKR:W11 S had heart attack, prv 2 yrs/since PrvIvw	Categ
12	S12HATKR	S12HATKR:W12 S had heart attack, prv 2 yrs/since PrvIvw	Categ
13	S13HATKR	S13HATKR:W13 S had heart attack, prv 2 yrs/since PrvIvw	Categ
14	S14HATKR	S14HATKR:W14 S had heart attack, prv 2 yrs/since PrvIvw	Categ
15	S15HATKR	S15HATKR:W15 S had heart attack, prv 2 yrs/since PrvIvw	Categ
16	S16HATKR	S16HATKR:W16 S had heart attack, prv 2 yrs/since PrvIvw	Categ
3	R3HATKDOC	R3HATKDOC:W3 R saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
4	R4HATKDOC	R4HATKDOC:W4 R saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
5	R5HATKDOC	R5HATKDOC:W5 R saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
6	R6HATKDOC	R6HATKDOC:W6 R saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
7	R7HATKDOC	R7HATKDOC:W7 R saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
8	R8HATKDOC	R8HATKDOC:W8 R saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
9	R9HATKDOC	R9HATKDOC:W9 R saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
10	R10HATKDOC	R10HATKDOC:W10 R saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
11	R11HATKDOC	R11HATKDOC:W11 R saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
12	R12HATKDOC	R12HATKDOC:W12 R saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
13	R13HATKDOC	R13HATKDOC:W13 R saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
14	R14HATKDOC	R14HATKDOC:W14 R saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
15	R15HATKDOC	R15HATKDOC:W15 R saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
16	R16HATKDOC	R16HATKDOC:W16 R saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
3	S3HATKDOC	S3HATKDOC:W3 S saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
4	S4HATKDOC	S4HATKDOC:W4 S saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
5	S5HATKDOC	S5HATKDOC:W5 S saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
6	S6HATKDOC	S6HATKDOC:W6 S saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
7	S7HATKDOC	S7HATKDOC:W7 S saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
8	S8HATKDOC	S8HATKDOC:W8 S saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
9	S9HATKDOC	S9HATKDOC:W9 S saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
10	S10HATKDOC	S10HATKDOC:W10 S saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
11	S11HATKDOC	S11HATKDOC:W11 S saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
12	S12HATKDOC	S12HATKDOC:W12 S saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
13	S13HATKDOC	S13HATKDOC:W13 S saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
14	S14HATKDOC	S14HATKDOC:W14 S saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
15	S15HATKDOC	S15HATKDOC:W15 S saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
16	S16HATKDOC	S16HATKDOC:W16 S saw Dr. for heart attack, prv 2 yrs/since PrvIvw	Categ
1	R1HATKRY	R1HATKRY:W1 R most recent Heart Attack Year	Cont
2	R2HATKRY	R2HATKRY:W2 R most recent Heart Attack Year	Cont
3	R3HATKRY	R3HATKRY:W3 R most recent Heart Attack Year	Cont
4	R4HATKRY	R4HATKRY:W4 R most recent Heart Attack Year	Cont
5	R5HATKRY	R5HATKRY:W5 R most recent Heart Attack Year	Cont
6	R6HATKRY	R6HATKRY:W6 R most recent Heart Attack Year	Cont
7	R7HATKRY	R7HATKRY:W7 R most recent Heart Attack Year	Cont
8	R8HATKRY	R8HATKRY:W8 R most recent Heart Attack Year	Cont
9	R9HATKRY	R9HATKRY:W9 R most recent Heart Attack Year	Cont
10	R10HATKRY	R10HATKRY:W10 R most recent Heart Attack Year	Cont
11	R11HATKRY	R11HATKRY:W11 R most recent Heart Attack Year	Cont
12	R12HATKRY	R12HATKRY:W12 R most recent Heart Attack Year	Cont

13	R13HATKRY	R13HATKRY:W13 R most recent Heart Attack Year	Cont
14	R14HATKRY	R14HATKRY:W14 R most recent Heart Attack Year	Cont
15	R15HATKRY	R15HATKRY:W15 R most recent Heart Attack Year	Cont
16	R16HATKRY	R16HATKRY:W16 R most recent Heart Attack Year	Cont
1	S1HATKRY	S1HATKRY:W1 S most recent Heart Attack Year	Cont
2	S2HATKRY	S2HATKRY:W2 S most recent Heart Attack Year	Cont
3	S3HATKRY	S3HATKRY:W3 S most recent Heart Attack Year	Cont
4	S4HATKRY	S4HATKRY:W4 S most recent Heart Attack Year	Cont
5	S5HATKRY	S5HATKRY:W5 S most recent Heart Attack Year	Cont
6	S6HATKRY	S6HATKRY:W6 S most recent Heart Attack Year	Cont
7	S7HATKRY	S7HATKRY:W7 S most recent Heart Attack Year	Cont
8	S8HATKRY	S8HATKRY:W8 S most recent Heart Attack Year	Cont
9	S9HATKRY	S9HATKRY:W9 S most recent Heart Attack Year	Cont
10	S10HATKRY	S10HATKRY:W10 S most recent Heart Attack Year	Cont
11	S11HATKRY	S11HATKRY:W11 S most recent Heart Attack Year	Cont
12	S12HATKRY	S12HATKRY:W12 S most recent Heart Attack Year	Cont
13	S13HATKRY	S13HATKRY:W13 S most recent Heart Attack Year	Cont
14	S14HATKRY	S14HATKRY:W14 S most recent Heart Attack Year	Cont
15	S15HATKRY	S15HATKRY:W15 S most recent Heart Attack Year	Cont
16	S16HATKRY	S16HATKRY:W16 S most recent Heart Attack Year	Cont
3	R3HATKRM	R3HATKRM:W3 R most recent Heart Attack Month	Cont
4	R4HATKRM	R4HATKRM:W4 R most recent Heart Attack Month	Cont
5	R5HATKRM	R5HATKRM:W5 R most recent Heart Attack Month	Cont
6	R6HATKRM	R6HATKRM:W6 R most recent Heart Attack Month	Cont
7	R7HATKRM	R7HATKRM:W7 R most recent Heart Attack Month	Cont
8	R8HATKRM	R8HATKRM:W8 R most recent Heart Attack Month	Cont
9	R9HATKRM	R9HATKRM:W9 R most recent Heart Attack Month	Cont
10	R10HATKRM	R10HATKRM:W10 R most recent Heart Attack Month	Cont
11	R11HATKRM	R11HATKRM:W11 R most recent Heart Attack Month	Cont
12	R12HATKRM	R12HATKRM:W12 R most recent Heart Attack Month	Cont
13	R13HATKRM	R13HATKRM:W13 R most recent Heart Attack Month	Cont
14	R14HATKRM	R14HATKRM:W14 R most recent Heart Attack Month	Cont
15	R15HATKRM	R15HATKRM:W15 R most recent Heart Attack Month	Cont
16	R16HATKRM	R16HATKRM:W16 R most recent Heart Attack Month	Cont
3	S3HATKRM	S3HATKRM:W3 S most recent Heart Attack Month	Cont
4	S4HATKRM	S4HATKRM:W4 S most recent Heart Attack Month	Cont
5	S5HATKRM	S5HATKRM:W5 S most recent Heart Attack Month	Cont
6	S6HATKRM	S6HATKRM:W6 S most recent Heart Attack Month	Cont
7	S7HATKRM	S7HATKRM:W7 S most recent Heart Attack Month	Cont
8	S8HATKRM	S8HATKRM:W8 S most recent Heart Attack Month	Cont
9	S9HATKRM	S9HATKRM:W9 S most recent Heart Attack Month	Cont
10	S10HATKRM	S10HATKRM:W10 S most recent Heart Attack Month	Cont
11	S11HATKRM	S11HATKRM:W11 S most recent Heart Attack Month	Cont
12	S12HATKRM	S12HATKRM:W12 S most recent Heart Attack Month	Cont
13	S13HATKRM	S13HATKRM:W13 S most recent Heart Attack Month	Cont
14	S14HATKRM	S14HATKRM:W14 S most recent Heart Attack Month	Cont
15	S15HATKRM	S15HATKRM:W15 S most recent Heart Attack Month	Cont
16	S16HATKRM	S16HATKRM:W16 S most recent Heart Attack Month	Cont
1	R1ANGINAR	R1ANGINAR:W1 R has angina or chest pains, currently	Categ
2	R2ANGINAR	R2ANGINAR:W2 R has angina or chest pains, recently(A)/currently(H)	Categ
3	R3ANGINAR	R3ANGINAR:W3 R had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
4	R4ANGINAR	R4ANGINAR:W4 R had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
5	R5ANGINAR	R5ANGINAR:W5 R had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
6	R6ANGINAR	R6ANGINAR:W6 R had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
7	R7ANGINAR	R7ANGINAR:W7 R had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
8	R8ANGINAR	R8ANGINAR:W8 R had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
9	R9ANGINAR	R9ANGINAR:W9 R had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
10	R10ANGINAR	R10ANGINAR:W10 R had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
11	R11ANGINAR	R11ANGINAR:W11 R had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
12	R12ANGINAR	R12ANGINAR:W12 R had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
13	R13ANGINAR	R13ANGINAR:W13 R had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
14	R14ANGINAR	R14ANGINAR:W14 R had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
15	R15ANGINAR	R15ANGINAR:W15 R had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
16	R16ANGINAR	R16ANGINAR:W16 R had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
1	S1ANGINAR	S1ANGINAR:W1 S has angina or chest pains, currently	Categ
2	S2ANGINAR	S2ANGINAR:W2 S has angina or chest pains, recently(A)/currently(H)	Categ
3	S3ANGINAR	S3ANGINAR:W3 S had angina or chest pains, prv 2 yrs/since PrvIvw	Categ

4	S4ANGINAR	S4ANGINAR:W4 S had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
5	S5ANGINAR	S5ANGINAR:W5 S had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
6	S6ANGINAR	S6ANGINAR:W6 S had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
7	S7ANGINAR	S7ANGINAR:W7 S had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
8	S8ANGINAR	S8ANGINAR:W8 S had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
9	S9ANGINAR	S9ANGINAR:W9 S had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
10	S10ANGINAR	S10ANGINAR:W10 S had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
11	S11ANGINAR	S11ANGINAR:W11 S had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
12	S12ANGINAR	S12ANGINAR:W12 S had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
13	S13ANGINAR	S13ANGINAR:W13 S had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
14	S14ANGINAR	S14ANGINAR:W14 S had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
15	S15ANGINAR	S15ANGINAR:W15 S had angina or chest pains, prv 2 yrs/since PrvIvw	Categ
16	S16ANGINAR	S16ANGINAR:W16 S had angina or chest pains, prv 2 yrs/since PrvIvw	Categ

2	R2HFAILR	R2HFAILR:W2 R had cong heart failure, prv 2 yrs/since PrvIvw	Categ
3	R3HFAILR	R3HFAILR:W3 R had cong heart failure, prv 2 yrs/since PrvIvw	Categ
4	R4HFAILR	R4HFAILR:W4 R had cong heart failure, prv 2 yrs/since PrvIvw	Categ
5	R5HFAILR	R5HFAILR:W5 R had cong heart failure, prv 2 yrs/since PrvIvw	Categ
6	R6HFAILR	R6HFAILR:W6 R had cong heart failure, prv 2 yrs/since PrvIvw	Categ
7	R7HFAILR	R7HFAILR:W7 R had cong heart failure, prv 2 yrs/since PrvIvw	Categ
8	R8HFAILR	R8HFAILR:W8 R had cong heart failure, prv 2 yrs/since PrvIvw	Categ
9	R9HFAILR	R9HFAILR:W9 R had cong heart failure, prv 2 yrs/since PrvIvw	Categ
10	R10HFAILR	R10HFAILR:W10 R had cong heart failure, prv 2 yrs/since PrvIvw	Categ
11	R11HFAILR	R11HFAILR:W11 R had cong heart failure, prv 2 yrs/since PrvIvw	Categ
12	R12HFAILR	R12HFAILR:W12 R had cong heart failure, prv 2 yrs/since PrvIvw	Categ
13	R13HFAILR	R13HFAILR:W13 R had cong heart failure, prv 2 yrs/since PrvIvw	Categ
14	R14HFAILR	R14HFAILR:W14 R had cong heart failure, prv 2 yrs/since PrvIvw	Categ
15	R15HFAILR	R15HFAILR:W15 R had cong heart failure, prv 2 yrs/since PrvIvw	Categ
16	R16HFAILR	R16HFAILR:W16 R had cong heart failure, prv 2 yrs/since PrvIvw	Categ

2	S2HFAILR	S2HFAILR:W2 S had cong heart failure, prv 2 yrs/since PrvIvw	Categ
3	S3HFAILR	S3HFAILR:W3 S had cong heart failure, prv 2 yrs/since PrvIvw	Categ
4	S4HFAILR	S4HFAILR:W4 S had cong heart failure, prv 2 yrs/since PrvIvw	Categ
5	S5HFAILR	S5HFAILR:W5 S had cong heart failure, prv 2 yrs/since PrvIvw	Categ
6	S6HFAILR	S6HFAILR:W6 S had cong heart failure, prv 2 yrs/since PrvIvw	Categ
7	S7HFAILR	S7HFAILR:W7 S had cong heart failure, prv 2 yrs/since PrvIvw	Categ
8	S8HFAILR	S8HFAILR:W8 S had cong heart failure, prv 2 yrs/since PrvIvw	Categ
9	S9HFAILR	S9HFAILR:W9 S had cong heart failure, prv 2 yrs/since PrvIvw	Categ
10	S10HFAILR	S10HFAILR:W10 S had cong heart failure, prv 2 yrs/since PrvIvw	Categ
11	S11HFAILR	S11HFAILR:W11 S had cong heart failure, prv 2 yrs/since PrvIvw	Categ
12	S12HFAILR	S12HFAILR:W12 S had cong heart failure, prv 2 yrs/since PrvIvw	Categ
13	S13HFAILR	S13HFAILR:W13 S had cong heart failure, prv 2 yrs/since PrvIvw	Categ
14	S14HFAILR	S14HFAILR:W14 S had cong heart failure, prv 2 yrs/since PrvIvw	Categ
15	S15HFAILR	S15HFAILR:W15 S had cong heart failure, prv 2 yrs/since PrvIvw	Categ
16	S16HFAILR	S16HFAILR:W16 S had cong heart failure, prv 2 yrs/since PrvIvw	Categ

3	R3HFAILH	R3HFAILH:W3 R hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
4	R4HFAILH	R4HFAILH:W4 R hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
5	R5HFAILH	R5HFAILH:W5 R hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
6	R6HFAILH	R6HFAILH:W6 R hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
7	R7HFAILH	R7HFAILH:W7 R hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
8	R8HFAILH	R8HFAILH:W8 R hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
9	R9HFAILH	R9HFAILH:W9 R hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
10	R10HFAILH	R10HFAILH:W10 R hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
11	R11HFAILH	R11HFAILH:W11 R hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
12	R12HFAILH	R12HFAILH:W12 R hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
13	R13HFAILH	R13HFAILH:W13 R hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
14	R14HFAILH	R14HFAILH:W14 R hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
15	R15HFAILH	R15HFAILH:W15 R hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
16	R16HFAILH	R16HFAILH:W16 R hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ

3	S3HFAILH	S3HFAILH:W3 S hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
4	S4HFAILH	S4HFAILH:W4 S hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
5	S5HFAILH	S5HFAILH:W5 S hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
6	S6HFAILH	S6HFAILH:W6 S hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
7	S7HFAILH	S7HFAILH:W7 S hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
8	S8HFAILH	S8HFAILH:W8 S hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
9	S9HFAILH	S9HFAILH:W9 S hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
10	S10HFAILH	S10HFAILH:W10 S hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
11	S11HFAILH	S11HFAILH:W11 S hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
12	S12HFAILH	S12HFAILH:W12 S hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ
13	S13HFAILH	S13HFAILH:W13 S hosp for cong hrt failure, prv 2 yrs/since PrvIvw	Categ

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14    S14HFAILH           S14HFAILH:W14 S hosp for cong hrt failure, prv 2 yrs/since PrvIvw   Categ
15    S15HFAILH           S15HFAILH:W15 S hosp for cong hrt failure, prv 2 yrs/since PrvIvw   Categ
16    S16HFAILH           S16HFAILH:W16 S hosp for cong hrt failure, prv 2 yrs/since PrvIvw   Categ

10    R10ABHRTRR          R10ABHRTRR:W10 R had abn. heart rhythm/afib, prv 2 yrs/since PrvIvw Categ
11    R11ABHRTRR          R11ABHRTRR:W11 R had abn. heart rhythm/afib, prv 2 yrs/since PrvIvw Categ
12    R12ABHRTRR          R12ABHRTRR:W12 R had abn. heart rhythm/afib, prv 2 yrs/since PrvIvw Categ
13    R13ABHRTRR          R13ABHRTRR:W13 R had abn. heart rhythm/afib, prv 2 yrs/since PrvIvw Categ
14    R14ABHRTRR          R14ABHRTRR:W14 R had abn. heart rhythm/afib, prv 2 yrs/since PrvIvw Categ
15    R15ABHRTRR          R15ABHRTRR:W15 R had abn. heart rhythm/afib, prv 2 yrs/since PrvIvw Categ
16    R16ABHRTRR          R16ABHRTRR:W16 R had abn. heart rhythm/afib, prv 2 yrs/since PrvIvw Categ

10    S10ABHRTRR          S10ABHRTRR:W10 S had abn. heart rhythm/afib, prv 2 yrs/since PrvIvw Categ
11    S11ABHRTRR          S11ABHRTRR:W11 S had abn. heart rhythm/afib, prv 2 yrs/since PrvIvw Categ
12    S12ABHRTRR          S12ABHRTRR:W12 S had abn. heart rhythm/afib, prv 2 yrs/since PrvIvw Categ
13    S13ABHRTRR          S13ABHRTRR:W13 S had abn. heart rhythm/afib, prv 2 yrs/since PrvIvw Categ
14    S14ABHRTRR          S14ABHRTRR:W14 S had abn. heart rhythm/afib, prv 2 yrs/since PrvIvw Categ
15    S15ABHRTRR          S15ABHRTRR:W15 S had abn. heart rhythm/afib, prv 2 yrs/since PrvIvw Categ
16    S16ABHRTRR          S16ABHRTRR:W16 S had abn. heart rhythm/afib, prv 2 yrs/since PrvIvw Categ

10    R10HRTARR           R10HRTARR:W10 R alt reports heart disease: abnormal rhythm/afib     Categ
11    R11HRTARR           R11HRTARR:W11 R alt reports heart disease: abnormal rhythm/afib     Categ
12    R12HRTARR           R12HRTARR:W12 R alt reports heart disease: abnormal rhythm/afib     Categ
13    R13HRTARR           R13HRTARR:W13 R alt reports heart disease: abnormal rhythm/afib     Categ
14    R14HRTARR           R14HRTARR:W14 R alt reports heart disease: abnormal rhythm/afib     Categ
15    R15HRTARR           R15HRTARR:W15 R alt reports heart disease: abnormal rhythm/afib     Categ
16    R16HRTARR           R16HRTARR:W16 R alt reports heart disease: abnormal rhythm/afib     Categ

10    S10HRTARR           S10HRTARR:W10 S alt reports heart disease: abnormal rhythm/afib     Categ
11    S11HRTARR           S11HRTARR:W11 S alt reports heart disease: abnormal rhythm/afib     Categ
12    S12HRTARR           S12HRTARR:W12 S alt reports heart disease: abnormal rhythm/afib     Categ
13    S13HRTARR           S13HRTARR:W13 S alt reports heart disease: abnormal rhythm/afib     Categ
14    S14HRTARR           S14HRTARR:W14 S alt reports heart disease: abnormal rhythm/afib     Categ
15    S15HRTARR           S15HRTARR:W15 S alt reports heart disease: abnormal rhythm/afib     Categ
16    S16HRTARR           S16HRTARR:W16 S alt reports heart disease: abnormal rhythm/afib     Categ

10    R10HRTARTB          R10HRTARTB:W10 R alt reports heart disease: artery blockage         Categ
11    R11HRTARTB          R11HRTARTB:W11 R alt reports heart disease: artery blockage         Categ
12    R12HRTARTB          R12HRTARTB:W12 R alt reports heart disease: artery blockage         Categ
13    R13HRTARTB          R13HRTARTB:W13 R alt reports heart disease: artery blockage         Categ
14    R14HRTARTB          R14HRTARTB:W14 R alt reports heart disease: artery blockage         Categ
15    R15HRTARTB          R15HRTARTB:W15 R alt reports heart disease: artery blockage         Categ
16    R16HRTARTB          R16HRTARTB:W16 R alt reports heart disease: artery blockage         Categ

10    S10HRTARTB          S10HRTARTB:W10 S alt reports heart disease: artery blockage         Categ
11    S11HRTARTB          S11HRTARTB:W11 S alt reports heart disease: artery blockage         Categ
12    S12HRTARTB          S12HRTARTB:W12 S alt reports heart disease: artery blockage         Categ
13    S13HRTARTB          S13HRTARTB:W13 S alt reports heart disease: artery blockage         Categ
14    S14HRTARTB          S14HRTARTB:W14 S alt reports heart disease: artery blockage         Categ
15    S15HRTARTB          S15HRTARTB:W15 S alt reports heart disease: artery blockage         Categ
16    S16HRTARTB          S16HRTARTB:W16 S alt reports heart disease: artery blockage         Categ

10    R10HRTVAL           R10HRTVAL:W10 R alt reports heart disease: valve problem           Categ
11    R11HRTVAL           R11HRTVAL:W11 R alt reports heart disease: valve problem           Categ
12    R12HRTVAL           R12HRTVAL:W12 R alt reports heart disease: valve problem           Categ
13    R13HRTVAL           R13HRTVAL:W13 R alt reports heart disease: valve problem           Categ
14    R14HRTVAL           R14HRTVAL:W14 R alt reports heart disease: valve problem           Categ
15    R15HRTVAL           R15HRTVAL:W15 R alt reports heart disease: valve problem           Categ
16    R16HRTVAL           R16HRTVAL:W16 R alt reports heart disease: valve problem           Categ

10    S10HRTVAL           S10HRTVAL:W10 S alt reports heart disease: valve problem           Categ
11    S11HRTVAL           S11HRTVAL:W11 S alt reports heart disease: valve problem           Categ
12    S12HRTVAL           S12HRTVAL:W12 S alt reports heart disease: valve problem           Categ
13    S13HRTVAL           S13HRTVAL:W13 S alt reports heart disease: valve problem           Categ
14    S14HRTVAL           S14HRTVAL:W14 S alt reports heart disease: valve problem           Categ
15    S15HRTVAL           S15HRTVAL:W15 S alt reports heart disease: valve problem           Categ
16    S16HRTVAL           S16HRTVAL:W16 S alt reports heart disease: valve problem           Categ

10    R10HRTFLR           R10HRTFLR:W10 R alt reports heart disease: hrt failure             Categ
11    R11HRTFLR           R11HRTFLR:W11 R alt reports heart disease: hrt failure             Categ
12    R12HRTFLR           R12HRTFLR:W12 R alt reports heart disease: hrt failure             Categ
13    R13HRTFLR           R13HRTFLR:W13 R alt reports heart disease: hrt failure             Categ
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14    R14HRTFLR           R14HRTFLR:W14 R alt reports heart disease: hrt failure              Categ
15    R15HRTFLR           R15HRTFLR:W15 R alt reports heart disease: hrt failure              Categ
16    R16HRTFLR           R16HRTFLR:W16 R alt reports heart disease: hrt failure              Categ

10    S10HRTFLR           S10HRTFLR:W10 S alt reports heart disease: hrt failure              Categ
11    S11HRTFLR           S11HRTFLR:W11 S alt reports heart disease: hrt failure              Categ
12    S12HRTFLR           S12HRTFLR:W12 S alt reports heart disease: hrt failure              Categ
13    S13HRTFLR           S13HRTFLR:W13 S alt reports heart disease: hrt failure              Categ
14    S14HRTFLR           S14HRTFLR:W14 S alt reports heart disease: hrt failure              Categ
15    S15HRTFLR           S15HRTFLR:W15 S alt reports heart disease: hrt failure              Categ
16    S16HRTFLR           S16HRTFLR:W16 S alt reports heart disease: hrt failure              Categ

10    R10HRTRSK           R10HRTRSK:W10 R alt reports heart disease: hrt disease risk factor  Categ
11    R11HRTRSK           R11HRTRSK:W11 R alt reports heart disease: hrt disease risk factor  Categ
12    R12HRTRSK           R12HRTRSK:W12 R alt reports heart disease: hrt disease risk factor  Categ
13    R13HRTRSK           R13HRTRSK:W13 R alt reports heart disease: hrt disease risk factor  Categ
14    R14HRTRSK           R14HRTRSK:W14 R alt reports heart disease: hrt disease risk factor  Categ
15    R15HRTRSK           R15HRTRSK:W15 R alt reports heart disease: hrt disease risk factor  Categ
16    R16HRTRSK           R16HRTRSK:W16 R alt reports heart disease: hrt disease risk factor  Categ

10    S10HRTRSK           S10HRTRSK:W10 S alt reports heart disease: hrt disease risk factor  Categ
11    S11HRTRSK           S11HRTRSK:W11 S alt reports heart disease: hrt disease risk factor  Categ
12    S12HRTRSK           S12HRTRSK:W12 S alt reports heart disease: hrt disease risk factor  Categ
13    S13HRTRSK           S13HRTRSK:W13 S alt reports heart disease: hrt disease risk factor  Categ
14    S14HRTRSK           S14HRTRSK:W14 S alt reports heart disease: hrt disease risk factor  Categ
15    S15HRTRSK           S15HRTRSK:W15 S alt reports heart disease: hrt disease risk factor  Categ
16    S16HRTRSK           S16HRTRSK:W16 S alt reports heart disease: hrt disease risk factor  Categ

10    R10HRTPRC           R10HRTPRC:W10 R alt reports heart disease: surgery/procedure        Categ
11    R11HRTPRC           R11HRTPRC:W11 R alt reports heart disease: surgery/procedure        Categ
12    R12HRTPRC           R12HRTPRC:W12 R alt reports heart disease: surgery/procedure        Categ
13    R13HRTPRC           R13HRTPRC:W13 R alt reports heart disease: surgery/procedure        Categ
14    R14HRTPRC           R14HRTPRC:W14 R alt reports heart disease: surgery/procedure        Categ
15    R15HRTPRC           R15HRTPRC:W15 R alt reports heart disease: surgery/procedure        Categ
16    R16HRTPRC           R16HRTPRC:W16 R alt reports heart disease: surgery/procedure        Categ

10    S10HRTPRC           S10HRTPRC:W10 S alt reports heart disease: surgery/procedure        Categ
11    S11HRTPRC           S11HRTPRC:W11 S alt reports heart disease: surgery/procedure        Categ
12    S12HRTPRC           S12HRTPRC:W12 S alt reports heart disease: surgery/procedure        Categ
13    S13HRTPRC           S13HRTPRC:W13 S alt reports heart disease: surgery/procedure        Categ
14    S14HRTPRC           S14HRTPRC:W14 S alt reports heart disease: surgery/procedure        Categ
15    S15HRTPRC           S15HRTPRC:W15 S alt reports heart disease: surgery/procedure        Categ
16    S16HRTPRC           S16HRTPRC:W16 S alt reports heart disease: surgery/procedure        Categ

10    R10HRTOTH           R10HRTOTH:W10 R alt reports heart disease: other                    Categ
11    R11HRTOTH           R11HRTOTH:W11 R alt reports heart disease: other                    Categ
12    R12HRTOTH           R12HRTOTH:W12 R alt reports heart disease: other                    Categ
13    R13HRTOTH           R13HRTOTH:W13 R alt reports heart disease: other                    Categ
14    R14HRTOTH           R14HRTOTH:W14 R alt reports heart disease: other                    Categ
15    R15HRTOTH           R15HRTOTH:W15 R alt reports heart disease: other                    Categ
16    R16HRTOTH           R16HRTOTH:W16 R alt reports heart disease: other                    Categ

10    S10HRTOTH           S10HRTOTH:W10 S alt reports heart disease: other                    Categ
11    S11HRTOTH           S11HRTOTH:W11 S alt reports heart disease: other                    Categ
12    S12HRTOTH           S12HRTOTH:W12 S alt reports heart disease: other                    Categ
13    S13HRTOTH           S13HRTOTH:W13 S alt reports heart disease: other                    Categ
14    S14HRTOTH           S14HRTOTH:W14 S alt reports heart disease: other                    Categ
15    S15HRTOTH           S15HRTOTH:W15 S alt reports heart disease: other                    Categ
16    S16HRTOTH           S16HRTOTH:W16 S alt reports heart disease: other                    Categ

 2    R2HRTTRTR           R2HRTTRTR:W2 R had heart test/treatment, prv 2 yrs/since PrvIvw     Categ
 3    R3HRTTRTR           R3HRTTRTR:W3 R had heart test/treatment, prv 2 yrs/since PrvIvw     Categ
 4    R4HRTTRTR           R4HRTTRTR:W4 R had heart test/treatment, prv 2 yrs/since PrvIvw     Categ
 5    R5HRTTRTR           R5HRTTRTR:W5 R had heart test/treatment, prv 2 yrs/since PrvIvw     Categ
 6    R6HRTTRTR           R6HRTTRTR:W6 R had heart test/treatment, prv 2 yrs/since PrvIvw     Categ
 7    R7HRTTRTR           R7HRTTRTR:W7 R had heart test/treatment, prv 2 yrs/since PrvIvw     Categ
 8    R8HRTTRTR           R8HRTTRTR:W8 R had heart test/treatment, prv 2 yrs/since PrvIvw     Categ
 9    R9HRTTRTR           R9HRTTRTR:W9 R had heart test/treatment, prv 2 yrs/since PrvIvw     Categ
10    R10HRTTRTR          R10HRTTRTR:W10 R had heart test/treatment, prv 2 yrs/since PrvIvw   Categ
11    R11HRTTRTR          R11HRTTRTR:W11 R had heart test/treatment, prv 2 yrs/since PrvIvw   Categ
12    R12HRTTRTR          R12HRTTRTR:W12 R had heart test/treatment, prv 2 yrs/since PrvIvw   Categ
13    R13HRTTRTR          R13HRTTRTR:W13 R had heart test/treatment, prv 2 yrs/since PrvIvw   Categ
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14	R14HRTTRTR	R14HRTTRTR:W14 R had heart test/treatment, prv 2 yrs/since PrvIvw	Categ
15	R15HRTTRTR	R15HRTTRTR:W15 R had heart test/treatment, prv 2 yrs/since PrvIvw	Categ
16	R16HRTTRTR	R16HRTTRTR:W16 R had heart test/treatment, prv 2 yrs/since PrvIvw	Categ
2	S2HRTTRTR	S2HRTTRTR:W2 S had heart test/treatment, prv 2 yrs/since PrvIvw	Categ
3	S3HRTTRTR	S3HRTTRTR:W3 S had heart test/treatment, prv 2 yrs/since PrvIvw	Categ
4	S4HRTTRTR	S4HRTTRTR:W4 S had heart test/treatment, prv 2 yrs/since PrvIvw	Categ
5	S5HRTTRTR	S5HRTTRTR:W5 S had heart test/treatment, prv 2 yrs/since PrvIvw	Categ
6	S6HRTTRTR	S6HRTTRTR:W6 S had heart test/treatment, prv 2 yrs/since PrvIvw	Categ
7	S7HRTTRTR	S7HRTTRTR:W7 S had heart test/treatment, prv 2 yrs/since PrvIvw	Categ
8	S8HRTTRTR	S8HRTTRTR:W8 S had heart test/treatment, prv 2 yrs/since PrvIvw	Categ
9	S9HRTTRTR	S9HRTTRTR:W9 S had heart test/treatment, prv 2 yrs/since PrvIvw	Categ
10	S10HRTTRTR	S10HRTTRTR:W10 S had heart test/treatment, prv 2 yrs/since PrvIvw	Categ
11	S11HRTTRTR	S11HRTTRTR:W11 S had heart test/treatment, prv 2 yrs/since PrvIvw	Categ
12	S12HRTTRTR	S12HRTTRTR:W12 S had heart test/treatment, prv 2 yrs/since PrvIvw	Categ
13	S13HRTTRTR	S13HRTTRTR:W13 S had heart test/treatment, prv 2 yrs/since PrvIvw	Categ
14	S14HRTTRTR	S14HRTTRTR:W14 S had heart test/treatment, prv 2 yrs/since PrvIvw	Categ
15	S15HRTTRTR	S15HRTTRTR:W15 S had heart test/treatment, prv 2 yrs/since PrvIvw	Categ
16	S16HRTTRTR	S16HRTTRTR:W16 S had heart test/treatment, prv 2 yrs/since PrvIvw	Categ
2	R2HRTSURR	R2HRTSURR:W2 R had heart surgery, prv 2 yrs/since PrvIvw	Categ
3	R3HRTSURR	R3HRTSURR:W3 R had heart surgery, prv 2 yrs/since PrvIvw	Categ
4	R4HRTSURR	R4HRTSURR:W4 R had heart surgery, prv 2 yrs/since PrvIvw	Categ
5	R5HRTSURR	R5HRTSURR:W5 R had heart surgery, prv 2 yrs/since PrvIvw	Categ
6	R6HRTSURR	R6HRTSURR:W6 R had heart surgery, prv 2 yrs/since PrvIvw	Categ
7	R7HRTSURR	R7HRTSURR:W7 R had heart surgery, prv 2 yrs/since PrvIvw	Categ
8	R8HRTSURR	R8HRTSURR:W8 R had heart surgery, prv 2 yrs/since PrvIvw	Categ
9	R9HRTSURR	R9HRTSURR:W9 R had heart surgery, prv 2 yrs/since PrvIvw	Categ
10	R10HRTSURR	R10HRTSURR:W10 R had heart surgery, prv 2 yrs/since PrvIvw	Categ
11	R11HRTSURR	R11HRTSURR:W11 R had heart surgery, prv 2 yrs/since PrvIvw	Categ
12	R12HRTSURR	R12HRTSURR:W12 R had heart surgery, prv 2 yrs/since PrvIvw	Categ
13	R13HRTSURR	R13HRTSURR:W13 R had heart surgery, prv 2 yrs/since PrvIvw	Categ
14	R14HRTSURR	R14HRTSURR:W14 R had heart surgery, prv 2 yrs/since PrvIvw	Categ
15	R15HRTSURR	R15HRTSURR:W15 R had heart surgery, prv 2 yrs/since PrvIvw	Categ
16	R16HRTSURR	R16HRTSURR:W16 R had heart surgery, prv 2 yrs/since PrvIvw	Categ
2	S2HRTSURR	S2HRTSURR:W2 S had heart surgery, prv 2 yrs/since PrvIvw	Categ
3	S3HRTSURR	S3HRTSURR:W3 S had heart surgery, prv 2 yrs/since PrvIvw	Categ
4	S4HRTSURR	S4HRTSURR:W4 S had heart surgery, prv 2 yrs/since PrvIvw	Categ
5	S5HRTSURR	S5HRTSURR:W5 S had heart surgery, prv 2 yrs/since PrvIvw	Categ
6	S6HRTSURR	S6HRTSURR:W6 S had heart surgery, prv 2 yrs/since PrvIvw	Categ
7	S7HRTSURR	S7HRTSURR:W7 S had heart surgery, prv 2 yrs/since PrvIvw	Categ
8	S8HRTSURR	S8HRTSURR:W8 S had heart surgery, prv 2 yrs/since PrvIvw	Categ
9	S9HRTSURR	S9HRTSURR:W9 S had heart surgery, prv 2 yrs/since PrvIvw	Categ
10	S10HRTSURR	S10HRTSURR:W10 S had heart surgery, prv 2 yrs/since PrvIvw	Categ
11	S11HRTSURR	S11HRTSURR:W11 S had heart surgery, prv 2 yrs/since PrvIvw	Categ
12	S12HRTSURR	S12HRTSURR:W12 S had heart surgery, prv 2 yrs/since PrvIvw	Categ
13	S13HRTSURR	S13HRTSURR:W13 S had heart surgery, prv 2 yrs/since PrvIvw	Categ
14	S14HRTSURR	S14HRTSURR:W14 S had heart surgery, prv 2 yrs/since PrvIvw	Categ
15	S15HRTSURR	S15HRTSURR:W15 S had heart surgery, prv 2 yrs/since PrvIvw	Categ
16	S16HRTSURR	S16HRTSURR:W16 S had heart surgery, prv 2 yrs/since PrvIvw	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3HRTMED	3414	0.69	0.46	0.0	1.0
R4HRTMED	3271	0.67	0.47	0.0	1.0
R5HRTMED	3525	0.69	0.46	0.0	1.0
R6HRTMED	3867	0.71	0.45	0.0	1.0
R7HRTMED	4104	0.71	0.46	0.0	1.0
R8HRTMED	4016	0.72	0.45	0.0	1.0
R9HRTMED	3875	0.72	0.45	0.0	1.0
R10HRTMED	4368	0.69	0.46	0.0	1.0
R11HRTMED	4895	0.68	0.47	0.0	1.0
R12HRTMED	4590	0.67	0.47	0.0	1.0

R13HRTMED	4626	0.67	0.47	0.0	1.0
R14HRTMED	4071	0.66	0.47	0.0	1.0
R15HRTMED	3769	0.66	0.47	0.0	1.0
R16HRTMED	3770	0.67	0.47	0.0	1.0
S3HRTMED	2080	0.68	0.47	0.0	1.0
S4HRTMED	2058	0.67	0.47	0.0	1.0
S5HRTMED	2164	0.68	0.47	0.0	1.0
S6HRTMED	2288	0.71	0.45	0.0	1.0
S7HRTMED	2435	0.72	0.45	0.0	1.0
S8HRTMED	2356	0.73	0.45	0.0	1.0
S9HRTMED	2251	0.73	0.45	0.0	1.0
S10HRTMED	2533	0.70	0.46	0.0	1.0
S11HRTMED	2800	0.69	0.46	0.0	1.0
S12HRTMED	2523	0.67	0.47	0.0	1.0
S13HRTMED	2425	0.67	0.47	0.0	1.0
S14HRTMED	2070	0.68	0.47	0.0	1.0
S15HRTMED	1905	0.66	0.47	0.0	1.0
S16HRTMED	1774	0.69	0.46	0.0	1.0
R1HRTDOC	1666	0.63	0.48	0.0	1.0
R2HRTDOC	412	0.90	0.31	0.0	1.0
R3HRTDOC	3419	0.80	0.40	0.0	1.0
R4HRTDOC	3275	0.79	0.41	0.0	1.0
R5HRTDOC	3533	0.77	0.42	0.0	1.0
R6HRTDOC	4551	0.82	0.38	0.0	1.0
R7HRTDOC	4788	0.83	0.37	0.0	1.0
R8HRTDOC	4695	0.84	0.36	0.0	1.0
R9HRTDOC	4511	0.86	0.35	0.0	1.0
R10HRTDOC	5024	0.82	0.38	0.0	1.0
R11HRTDOC	4919	0.82	0.38	0.0	1.0
R12HRTDOC	4649	0.80	0.40	0.0	1.0
R13HRTDOC	4671	0.82	0.39	0.0	1.0
R14HRTDOC	4029	0.82	0.39	0.0	1.0
R15HRTDOC	3698	0.80	0.40	0.0	1.0
R16HRTDOC	3745	0.82	0.38	0.0	1.0
S1HRTDOC	1286	0.63	0.48	0.0	1.0
S2HRTDOC	282	0.90	0.29	0.0	1.0
S3HRTDOC	2082	0.79	0.41	0.0	1.0
S4HRTDOC	2060	0.79	0.41	0.0	1.0
S5HRTDOC	2166	0.77	0.42	0.0	1.0
S6HRTDOC	2688	0.82	0.39	0.0	1.0
S7HRTDOC	2827	0.84	0.37	0.0	1.0
S8HRTDOC	2746	0.85	0.36	0.0	1.0
S9HRTDOC	2619	0.85	0.35	0.0	1.0
S10HRTDOC	2902	0.83	0.38	0.0	1.0
S11HRTDOC	2802	0.82	0.38	0.0	1.0
S12HRTDOC	2551	0.80	0.40	0.0	1.0
S13HRTDOC	2441	0.82	0.39	0.0	1.0
S14HRTDOC	2048	0.83	0.37	0.0	1.0
S15HRTDOC	1872	0.80	0.40	0.0	1.0
S16HRTDOC	1752	0.84	0.37	0.0	1.0
R2HATKR	3189	0.25	0.43	0.0	1.0
R3HATKR	3613	0.13	0.33	0.0	1.0
R4HATKR	3784	0.15	0.36	0.0	1.0
R5HATKR	3844	0.12	0.33	0.0	1.0
R6HATKR	4038	0.12	0.32	0.0	1.0

R7HATKR	4237	0.11	0.31	0.0	1.0
R8HATKR	4238	0.09	0.29	0.0	1.0
R9HATKR	4092	0.09	0.29	0.0	1.0
R10HATKR	4908	0.13	0.34	0.0	1.0
R11HATKR	4652	0.09	0.29	0.0	1.0
R12HATKR	4348	0.09	0.28	0.0	1.0
R13HATKR	4162	0.11	0.31	0.0	1.0
R14HATKR	3723	0.08	0.27	0.0	1.0
R15HATKR	3163	0.08	0.27	0.0	1.0
R16HATKR	2037	0.12	0.33	0.0	1.0
S2HATKR	1761	0.26	0.44	0.0	1.0
S3HATKR	2166	0.12	0.33	0.0	1.0
S4HATKR	2316	0.15	0.36	0.0	1.0
S5HATKR	2302	0.13	0.34	0.0	1.0
S6HATKR	2379	0.12	0.32	0.0	1.0
S7HATKR	2526	0.10	0.31	0.0	1.0
S8HATKR	2481	0.08	0.27	0.0	1.0
S9HATKR	2368	0.10	0.29	0.0	1.0
S10HATKR	2844	0.13	0.34	0.0	1.0
S11HATKR	2658	0.09	0.29	0.0	1.0
S12HATKR	2381	0.09	0.29	0.0	1.0
S13HATKR	2169	0.11	0.31	0.0	1.0
S14HATKR	1897	0.08	0.27	0.0	1.0
S15HATKR	1612	0.08	0.27	0.0	1.0
S16HATKR	980	0.11	0.32	0.0	1.0
R3HATKDOC	458	0.98	0.14	0.0	1.0
R4HATKDOC	569	0.97	0.18	0.0	1.0
R5HATKDOC	479	0.96	0.19	0.0	1.0
R6HATKDOC	468	0.99	0.10	0.0	1.0
R7HATKDOC	451	0.96	0.19	0.0	1.0
R8HATKDOC	378	0.97	0.18	0.0	1.0
R9HATKDOC	381	0.95	0.21	0.0	1.0
R10HATKDOC	619	0.87	0.34	0.0	1.0
R11HATKDOC	405	0.90	0.30	0.0	1.0
R12HATKDOC	378	0.92	0.27	0.0	1.0
R13HATKDOC	429	0.91	0.29	0.0	1.0
R14HATKDOC	153	0.96	0.19	0.0	1.0
R15HATKDOC	240	0.94	0.23	0.0	1.0
R16HATKDOC	237	0.87	0.33	0.0	1.0
S3HATKDOC	269	0.99	0.09	0.0	1.0
S4HATKDOC	354	0.96	0.20	0.0	1.0
S5HATKDOC	304	0.97	0.16	0.0	1.0
S6HATKDOC	283	0.99	0.10	0.0	1.0
S7HATKDOC	265	0.97	0.17	0.0	1.0
S8HATKDOC	204	0.97	0.17	0.0	1.0
S9HATKDOC	225	0.94	0.23	0.0	1.0
S10HATKDOC	362	0.86	0.34	0.0	1.0
S11HATKDOC	244	0.89	0.31	0.0	1.0
S12HATKDOC	218	0.92	0.28	0.0	1.0
S13HATKDOC	222	0.92	0.27	0.0	1.0
S14HATKDOC	77	0.97	0.16	0.0	1.0
S15HATKDOC	124	0.92	0.27	0.0	1.0
S16HATKDOC	106	0.88	0.33	0.0	1.0
R1HATKRY	753	1985.17	7.29	1952.0	1993.0
R2HATKRY	208	1992.98	1.67	1980.0	1994.0

R3HATKRY	449	1994.90	0.77	1993.0	1996.0
R4HATKRY	544	1996.47	1.81	1980.0	1998.0
R5HATKRY	462	1998.87	1.11	1992.0	2000.0
R6HATKRY	460	2000.98	1.24	1991.0	2002.0
R7HATKRY	432	2002.87	1.60	1985.0	2004.0
R8HATKRY	367	2004.68	2.57	1969.0	2007.0
R9HATKRY	370	2006.57	2.24	1986.0	2008.0
R10HATKRY	482	2008.82	2.04	1992.0	2011.0
R11HATKRY	393	2010.48	3.15	1978.0	2013.0
R12HATKRY	359	2012.38	2.68	1992.0	2014.0
R13HATKRY	330	2014.85	2.45	1993.0	2017.0
R14HATKRY	269	2016.71	2.48	1990.0	2019.0
R15HATKRY	232	2018.67	2.45	2000.0	2021.0
R16HATKRY	152	2020.49	4.25	1978.0	2023.0
S1HATKRY	584	1985.29	6.87	1955.0	1993.0
S2HATKRY	143	1992.96	1.63	1981.0	1994.0
S3HATKRY	263	1994.95	0.76	1993.0	1996.0
S4HATKRY	336	1996.44	1.86	1983.0	1998.0
S5HATKRY	294	1998.82	1.10	1992.0	2000.0
S6HATKRY	279	2000.95	1.18	1991.0	2002.0
S7HATKRY	256	2002.85	1.50	1988.0	2004.0
S8HATKRY	198	2004.58	3.25	1969.0	2006.0
S9HATKRY	218	2006.36	2.67	1986.0	2008.0
S10HATKRY	276	2008.79	1.96	1993.0	2011.0
S11HATKRY	232	2010.48	3.28	1978.0	2013.0
S12HATKRY	204	2012.37	2.37	1992.0	2014.0
S13HATKRY	172	2014.82	2.62	1993.0	2017.0
S14HATKRY	136	2016.82	2.11	2001.0	2019.0
S15HATKRY	116	2018.68	2.60	2000.0	2021.0
S16HATKRY	78	2020.32	5.36	1978.0	2023.0
R3HATKRM	446	6.67	3.72	1.0	12.0
R4HATKRM	457	6.41	3.58	1.0	12.0
R5HATKRM	418	5.90	3.56	1.0	12.0
R6HATKRM	406	6.21	3.33	1.0	12.0
R7HATKRM	367	6.10	3.57	1.0	12.0
R8HATKRM	307	6.47	3.61	1.0	12.0
R9HATKRM	296	6.51	3.58	1.0	12.0
R10HATKRM	403	6.27	3.50	1.0	12.0
R11HATKRM	330	6.43	3.45	1.0	12.0
R12HATKRM	299	6.34	3.47	1.0	12.0
R13HATKRM	287	6.00	3.58	1.0	12.0
R14HATKRM	230	6.52	3.45	1.0	12.0
R15HATKRM	194	6.24	3.52	1.0	12.0
R16HATKRM	131	5.91	3.53	1.0	12.0
S3HATKRM	262	6.72	3.76	1.0	12.0
S4HATKRM	281	6.60	3.57	1.0	12.0
S5HATKRM	264	5.99	3.63	1.0	12.0
S6HATKRM	248	6.28	3.35	1.0	12.0
S7HATKRM	222	5.79	3.53	1.0	12.0
S8HATKRM	166	6.74	3.61	1.0	12.0
S9HATKRM	176	6.44	3.66	1.0	12.0
S10HATKRM	238	6.38	3.51	1.0	12.0
S11HATKRM	197	6.06	3.39	1.0	12.0
S12HATKRM	171	6.66	3.47	1.0	12.0
S13HATKRM	149	5.44	3.44	1.0	12.0
S14HATKRM	118	6.29	3.48	1.0	12.0

S15HATKRM	101	6.26	3.66	1.0	12.0
S16HATKRM	67	5.66	3.64	1.0	12.0
R1ANGINAR	1666	0.33	0.47	0.0	1.0
R2ANGINAR	3201	0.32	0.46	0.0	1.0
R3ANGINAR	3621	0.38	0.48	0.0	1.0
R4ANGINAR	3789	0.39	0.49	0.0	1.0
R5ANGINAR	3850	0.33	0.47	0.0	1.0
R6ANGINAR	4044	0.30	0.46	0.0	1.0
R7ANGINAR	4235	0.28	0.45	0.0	1.0
R8ANGINAR	4236	0.28	0.45	0.0	1.0
R9ANGINAR	4083	0.24	0.43	0.0	1.0
R10ANGINAR	4923	0.10	0.31	0.0	1.0
R11ANGINAR	4705	0.12	0.33	0.0	1.0
R12ANGINAR	4406	0.12	0.32	0.0	1.0
R13ANGINAR	4144	0.20	0.40	0.0	1.0
R14ANGINAR	3744	0.13	0.33	0.0	1.0
R15ANGINAR	3148	0.19	0.39	0.0	1.0
R16ANGINAR	2034	0.18	0.38	0.0	1.0
S1ANGINAR	1286	0.29	0.45	0.0	1.0
S2ANGINAR	1768	0.31	0.46	0.0	1.0
S3ANGINAR	2173	0.37	0.48	0.0	1.0
S4ANGINAR	2323	0.38	0.48	0.0	1.0
S5ANGINAR	2303	0.32	0.47	0.0	1.0
S6ANGINAR	2383	0.29	0.45	0.0	1.0
S7ANGINAR	2525	0.26	0.44	0.0	1.0
S8ANGINAR	2484	0.25	0.43	0.0	1.0
S9ANGINAR	2365	0.23	0.42	0.0	1.0
S10ANGINAR	2854	0.10	0.30	0.0	1.0
S11ANGINAR	2679	0.11	0.32	0.0	1.0
S12ANGINAR	2403	0.11	0.31	0.0	1.0
S13ANGINAR	2167	0.18	0.39	0.0	1.0
S14ANGINAR	1914	0.12	0.32	0.0	1.0
S15ANGINAR	1607	0.17	0.37	0.0	1.0
S16ANGINAR	980	0.17	0.38	0.0	1.0
R2HFAILR	695	0.21	0.41	0.0	1.0
R3HFAILR	3615	0.13	0.33	0.0	1.0
R4HFAILR	3766	0.15	0.36	0.0	1.0
R5HFAILR	3845	0.15	0.36	0.0	1.0
R6HFAILR	4037	0.16	0.36	0.0	1.0
R7HFAILR	4224	0.16	0.36	0.0	1.0
R8HFAILR	4232	0.17	0.37	0.0	1.0
R9HFAILR	4084	0.17	0.37	0.0	1.0
R10HFAILR	4940	0.15	0.36	0.0	1.0
R11HFAILR	4709	0.15	0.35	0.0	1.0
R12HFAILR	4418	0.16	0.37	0.0	1.0
R13HFAILR	4144	0.20	0.40	0.0	1.0
R14HFAILR	3739	0.16	0.36	0.0	1.0
R15HFAILR	3150	0.19	0.39	0.0	1.0
R16HFAILR	2039	0.17	0.37	0.0	1.0
S2HFAILR	496	0.20	0.40	0.0	1.0
S3HFAILR	2167	0.12	0.32	0.0	1.0
S4HFAILR	2310	0.14	0.35	0.0	1.0
S5HFAILR	2304	0.13	0.34	0.0	1.0
S6HFAILR	2377	0.13	0.33	0.0	1.0
S7HFAILR	2519	0.13	0.34	0.0	1.0

S8HFAILR	2480	0.14	0.35	0.0	1.0
S9HFAILR	2362	0.14	0.34	0.0	1.0
S10HFAILR	2865	0.13	0.33	0.0	1.0
S11HFAILR	2686	0.13	0.33	0.0	1.0
S12HFAILR	2416	0.13	0.34	0.0	1.0
S13HFAILR	2159	0.16	0.36	0.0	1.0
S14HFAILR	1908	0.13	0.34	0.0	1.0
S15HFAILR	1613	0.15	0.36	0.0	1.0
S16HFAILR	981	0.14	0.35	0.0	1.0
R3HFAILH	462	0.56	0.50	0.0	1.0
R4HFAILH	570	0.58	0.49	0.0	1.0
R5HFAILH	574	0.51	0.50	0.0	1.0
R6HFAILH	625	0.54	0.50	0.0	1.0
R7HFAILH	658	0.51	0.50	0.0	1.0
R8HFAILH	705	0.47	0.50	0.0	1.0
R9HFAILH	682	0.46	0.50	0.0	1.0
R10HFAILH	730	0.50	0.50	0.0	1.0
R11HFAILH	671	0.44	0.50	0.0	1.0
R12HFAILH	694	0.46	0.50	0.0	1.0
R13HFAILH	801	0.44	0.50	0.0	1.0
R14HFAILH	431	0.35	0.48	0.0	1.0
R15HFAILH	590	0.36	0.48	0.0	1.0
R16HFAILH	308	0.41	0.49	0.0	1.0
S3HFAILH	249	0.55	0.50	0.0	1.0
S4HFAILH	323	0.56	0.50	0.0	1.0
S5HFAILH	310	0.53	0.50	0.0	1.0
S6HFAILH	305	0.55	0.50	0.0	1.0
S7HFAILH	334	0.52	0.50	0.0	1.0
S8HFAILH	352	0.47	0.50	0.0	1.0
S9HFAILH	323	0.45	0.50	0.0	1.0
S10HFAILH	356	0.52	0.50	0.0	1.0
S11HFAILH	339	0.49	0.50	0.0	1.0
S12HFAILH	318	0.47	0.50	0.0	1.0
S13HFAILH	339	0.43	0.50	0.0	1.0
S14HFAILH	178	0.37	0.48	0.0	1.0
S15HFAILH	244	0.36	0.48	0.0	1.0
S16HFAILH	122	0.50	0.50	0.0	1.0
R10ABHRTRR	4740	0.33	0.47	0.0	1.0
R11ABHRTRR	4281	0.42	0.49	0.0	1.0
R12ABHRTRR	3965	0.43	0.50	0.0	1.0
R13ABHRTRR	4106	0.40	0.49	0.0	1.0
R14ABHRTRR	3479	0.49	0.50	0.0	1.0
R15ABHRTRR	3143	0.45	0.50	0.0	1.0
R16ABHRTRR	2002	0.45	0.50	0.0	1.0
S10ABHRTRR	2764	0.33	0.47	0.0	1.0
S11ABHRTRR	2440	0.42	0.49	0.0	1.0
S12ABHRTRR	2176	0.43	0.49	0.0	1.0
S13ABHRTRR	2149	0.37	0.48	0.0	1.0
S14ABHRTRR	1793	0.47	0.50	0.0	1.0
S15ABHRTRR	1606	0.42	0.49	0.0	1.0
S16ABHRTRR	973	0.45	0.50	0.0	1.0
R10HRTARR	837	0.12	0.32	0.0	1.0
R11HRTARR	956	0.17	0.38	0.0	1.0
R12HRTARR	1019	0.17	0.37	0.0	1.0

R13HRTARR	1424	0.18	0.38	0.0	1.0
R14HRTARR	822	0.15	0.35	0.0	1.0
R15HRTARR	1074	0.16	0.36	0.0	1.0
R16HRTARR	1798	0.30	0.46	0.0	1.0
S10HRTARR	508	0.09	0.28	0.0	1.0
S11HRTARR	593	0.15	0.35	0.0	1.0
S12HRTARR	604	0.15	0.35	0.0	1.0
S13HRTARR	846	0.16	0.36	0.0	1.0
S14HRTARR	449	0.14	0.34	0.0	1.0
S15HRTARR	605	0.15	0.36	0.0	1.0
S16HRTARR	857	0.29	0.45	0.0	1.0
R10HRTARTB	832	0.31	0.46	0.0	1.0
R11HRTARTB	956	0.26	0.44	0.0	1.0
R12HRTARTB	1019	0.26	0.44	0.0	1.0
R13HRTARTB	1423	0.26	0.44	0.0	1.0
R14HRTARTB	822	0.29	0.46	0.0	1.0
R15HRTARTB	1074	0.31	0.46	0.0	1.0
R16HRTARTB	1798	0.25	0.43	0.0	1.0
S10HRTARTB	506	0.37	0.48	0.0	1.0
S11HRTARTB	593	0.27	0.45	0.0	1.0
S12HRTARTB	604	0.30	0.46	0.0	1.0
S13HRTARTB	846	0.29	0.45	0.0	1.0
S14HRTARTB	449	0.31	0.46	0.0	1.0
S15HRTARTB	605	0.34	0.48	0.0	1.0
S16HRTARTB	857	0.29	0.45	0.0	1.0
R10HRTVAL	832	0.21	0.41	0.0	1.0
R11HRTVAL	956	0.19	0.39	0.0	1.0
R12HRTVAL	1019	0.18	0.39	0.0	1.0
R13HRTVAL	1425	0.12	0.33	0.0	1.0
R14HRTVAL	822	0.19	0.39	0.0	1.0
R15HRTVAL	1074	0.12	0.32	0.0	1.0
R16HRTVAL	1798	0.13	0.34	0.0	1.0
S10HRTVAL	506	0.20	0.40	0.0	1.0
S11HRTVAL	593	0.18	0.39	0.0	1.0
S12HRTVAL	604	0.17	0.38	0.0	1.0
S13HRTVAL	847	0.12	0.32	0.0	1.0
S14HRTVAL	449	0.17	0.38	0.0	1.0
S15HRTVAL	605	0.10	0.31	0.0	1.0
S16HRTVAL	857	0.12	0.33	0.0	1.0
R10HRTFLR	832	0.04	0.19	0.0	1.0
R11HRTFLR	956	0.04	0.19	0.0	1.0
R12HRTFLR	1019	0.04	0.20	0.0	1.0
R13HRTFLR	1423	0.04	0.19	0.0	1.0
R14HRTFLR	822	0.05	0.21	0.0	1.0
R15HRTFLR	1074	0.06	0.24	0.0	1.0
R16HRTFLR	1798	0.10	0.30	0.0	1.0
S10HRTFLR	506	0.04	0.19	0.0	1.0
S11HRTFLR	593	0.03	0.18	0.0	1.0
S12HRTFLR	604	0.03	0.18	0.0	1.0
S13HRTFLR	846	0.03	0.17	0.0	1.0
S14HRTFLR	449	0.04	0.20	0.0	1.0
S15HRTFLR	605	0.05	0.22	0.0	1.0

S16HRTFLR	857	0.08	0.26	0.0	1.0
R10HRTRSK	832	0.06	0.25	0.0	1.0
R11HRTRSK	956	0.06	0.25	0.0	1.0
R12HRTRSK	1019	0.07	0.26	0.0	1.0
R13HRTRSK	1423	0.06	0.23	0.0	1.0
R14HRTRSK	822	0.07	0.26	0.0	1.0
R15HRTRSK	1074	0.09	0.28	0.0	1.0
R16HRTRSK	1798	0.06	0.24	0.0	1.0
S10HRTRSK	506	0.05	0.22	0.0	1.0
S11HRTRSK	593	0.08	0.27	0.0	1.0
S12HRTRSK	604	0.07	0.25	0.0	1.0
S13HRTRSK	846	0.06	0.24	0.0	1.0
S14HRTRSK	449	0.08	0.27	0.0	1.0
S15HRTRSK	605	0.09	0.29	0.0	1.0
S16HRTRSK	857	0.05	0.22	0.0	1.0
R10HRTPRC	832	0.26	0.44	0.0	1.0
R11HRTPRC	956	0.24	0.43	0.0	1.0
R12HRTPRC	1019	0.22	0.41	0.0	1.0
R13HRTPRC	1425	0.28	0.45	0.0	1.0
R14HRTPRC	822	0.19	0.40	0.0	1.0
R15HRTPRC	1074	0.23	0.42	0.0	1.0
R16HRTPRC	1798	0.15	0.35	0.0	1.0
S10HRTPRC	506	0.26	0.44	0.0	1.0
S11HRTPRC	593	0.24	0.43	0.0	1.0
S12HRTPRC	604	0.25	0.44	0.0	1.0
S13HRTPRC	847	0.30	0.46	0.0	1.0
S14HRTPRC	449	0.21	0.41	0.0	1.0
S15HRTPRC	605	0.26	0.44	0.0	1.0
S16HRTPRC	857	0.18	0.39	0.0	1.0
R10HRTOTH	835	0.13	0.33	0.0	1.0
R11HRTOTH	956	0.19	0.39	0.0	1.0
R12HRTOTH	1019	0.16	0.37	0.0	1.0
R13HRTOTH	1424	0.22	0.41	0.0	1.0
R14HRTOTH	822	0.15	0.36	0.0	1.0
R15HRTOTH	1074	0.17	0.38	0.0	1.0
R16HRTOTH	1798	0.17	0.38	0.0	1.0
S10HRTOTH	508	0.12	0.33	0.0	1.0
S11HRTOTH	593	0.18	0.38	0.0	1.0
S12HRTOTH	604	0.16	0.37	0.0	1.0
S13HRTOTH	846	0.21	0.40	0.0	1.0
S14HRTOTH	449	0.15	0.35	0.0	1.0
S15HRTOTH	605	0.16	0.36	0.0	1.0
S16HRTOTH	857	0.17	0.38	0.0	1.0
R2HRTTRTR	408	0.57	0.50	0.0	1.0
R3HRTTRTR	458	0.38	0.49	0.0	1.0
R4HRTTRTR	3778	0.30	0.46	0.0	1.0
R5HRTTRTR	3846	0.25	0.43	0.0	1.0
R6HRTTRTR	4035	0.26	0.44	0.0	1.0
R7HRTTRTR	4235	0.25	0.44	0.0	1.0
R8HRTTRTR	4236	0.25	0.43	0.0	1.0
R9HRTTRTR	4086	0.25	0.43	0.0	1.0
R10HRTTRTR	4403	0.29	0.46	0.0	1.0

R11HRTTRTR	4257	0.23	0.42	0.0	1.0
R12HRTTRTR	3963	0.22	0.41	0.0	1.0
R13HRTTRTR	4032	0.23	0.42	0.0	1.0
R14HRTTRTR	3469	0.22	0.41	0.0	1.0
R15HRTTRTR	3133	0.20	0.40	0.0	1.0
R16HRTTRTR	3210	0.23	0.42	0.0	1.0
S2HRTTRTR	281	0.59	0.49	0.0	1.0
S3HRTTRTR	248	0.44	0.50	0.0	1.0
S4HRTTRTR	2317	0.33	0.47	0.0	1.0
S5HRTTRTR	2302	0.28	0.45	0.0	1.0
S6HRTTRTR	2378	0.29	0.45	0.0	1.0
S7HRTTRTR	2525	0.27	0.44	0.0	1.0
S8HRTTRTR	2487	0.27	0.44	0.0	1.0
S9HRTTRTR	2369	0.26	0.44	0.0	1.0
S10HRTTRTR	2559	0.31	0.46	0.0	1.0
S11HRTTRTR	2430	0.24	0.43	0.0	1.0
S12HRTTRTR	2175	0.23	0.42	0.0	1.0
S13HRTTRTR	2119	0.24	0.42	0.0	1.0
S14HRTTRTR	1789	0.22	0.42	0.0	1.0
S15HRTTRTR	1589	0.21	0.41	0.0	1.0
S16HRTTRTR	1524	0.25	0.43	0.0	1.0
R2HRTSURR	412	0.21	0.41	0.0	1.0
R3HRTSURR	3628	0.10	0.30	0.0	1.0
R4HRTSURR	3799	0.11	0.31	0.0	1.0
R5HRTSURR	3857	0.09	0.29	0.0	1.0
R6HRTSURR	4053	0.10	0.30	0.0	1.0
R7HRTSURR	4256	0.09	0.29	0.0	1.0
R8HRTSURR	4251	0.09	0.29	0.0	1.0
R9HRTSURR	4108	0.09	0.28	0.0	1.0
R10HRTSURR	4432	0.10	0.30	0.0	1.0
R11HRTSURR	4297	0.08	0.27	0.0	1.0
R12HRTSURR	4003	0.08	0.27	0.0	1.0
R13HRTSURR	4066	0.09	0.28	0.0	1.0
R14HRTSURR	3494	0.08	0.28	0.0	1.0
R15HRTSURR	3167	0.09	0.28	0.0	1.0
R16HRTSURR	3235	0.10	0.29	0.0	1.0
S2HRTSURR	282	0.26	0.44	0.0	1.0
S3HRTSURR	2175	0.12	0.32	0.0	1.0
S4HRTSURR	2326	0.12	0.33	0.0	1.0
S5HRTSURR	2307	0.10	0.30	0.0	1.0
S6HRTSURR	2386	0.12	0.32	0.0	1.0
S7HRTSURR	2534	0.10	0.31	0.0	1.0
S8HRTSURR	2487	0.10	0.30	0.0	1.0
S9HRTSURR	2375	0.10	0.30	0.0	1.0
S10HRTSURR	2573	0.11	0.31	0.0	1.0
S11HRTSURR	2444	0.09	0.29	0.0	1.0
S12HRTSURR	2195	0.09	0.28	0.0	1.0
S13HRTSURR	2129	0.10	0.30	0.0	1.0
S14HRTSURR	1796	0.09	0.29	0.0	1.0
S15HRTSURR	1612	0.09	0.29	0.0	1.0
S16HRTSURR	1534	0.11	0.31	0.0	1.0

Categorical Variable Codes

RwHRTMED: R reports heart meds this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			5	5	11	14	17	19	27	72
.E=Known skip error				517						
.J=Web interview, missing										
.M=Oth missing			2					1		1
.R=RF			1							
.S=Skip,question not asked			14569	17591	16042	14284	16008	14433	13315	17593
0.No			1046	1071	1081	1120	1201	1138	1086	1353
1.Yes			2368	2200	2444	2747	2903	2878	2789	3015

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	65	105	70	42	44	50
.E=Known skip error						
.J=Web interview, missing				1	2	1
.M=Oth missing	1		1			2
.R=RF		2	1	2		1
.S=Skip,question not asked	15593	14050	16214	13030	11908	11963
0.No	1572	1519	1544	1366	1271	1257
1.Yes	3323	3071	3082	2705	2498	2513

SwHRTMED: S reports heart meds this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			1	2	3	6	4	5	8	30
.E=Known skip error				250						
.J=Web interview, missing										
.M=Oth missing			2							1
.R=RF			1							
.S=Skip,question not asked			9833	11670	10563	9345	10533	9374	8387	10949
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			670	687	694	662	692	647	613	768
1.Yes			1410	1371	1470	1626	1743	1709	1638	1765

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	27	50	28	20	21	9
.E=Known skip error						
.J=Web interview, missing				1	2	1
.M=Oth missing	1					1
.R=RF		1	1			
.S=Skip,question not asked	9656	8438	9325	7267	6549	6055
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	881	825	809	658	649	549
1.Yes	1919	1698	1616	1412	1256	1225

RwHRTDOC: R saw Dr. for heart problems, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		5	1	1	3	3	4	7	4	59
.E=Known skip error				517						
.J=Web interview, missing										
.M=Oth missing		1	2					1		1
.Q=Not asked this wv		8222								
.R=RF										
.S=Skip,question not asked	10986	11002	14569	17591	16042	13611	15337	13766	12702	16950
0.No	612	43	691	684	801	823	807	728	649	885
1.Yes	1054	369	2728	2591	2732	3728	3981	3967	3862	4139

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	40	44	26	7	13	17
.E=Known skip error						
.J=Web interview, missing					2	2
.M=Oth missing	2	2	1	1		4
.Q=Not asked this wv						
.R=RF		2		1	1	
.S=Skip,question not asked	15593	14050	16214	13108	12009	12019
0.No	884	920	860	731	753	666
1.Yes	4035	3729	3811	3298	2945	3079

SwHRTDOC: S saw Dr. for heart problems, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		5			1		1	3	1	28
.E=Known skip error				250						
.J=Web interview, missing										
.M=Oth missing		1	2							1
.Q=Not asked this wv		4549								
.R=RF										
.S=Skip,question not asked	8614	8453	9833	11670	10563	8951	10144	8986	8026	10582
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
0.No	481	27	447	433	508	492	452	418	381	494
1.Yes	805	255	1635	1627	1658	2196	2375	2328	2238	2408

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	25	20	13	3	7	3
.E=Known skip error						
.J=Web interview, missing					2	2
.M=Oth missing	1	1		1		2
.Q=Not asked this wv						
.R=RF		2				
.S=Skip,question not asked	9656	8438	9325	7306	6596	6081
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	500	500	443	343	373	289
1.Yes	2302	2051	1998	1705	1499	1463

RwHATKR: R had heart attack, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		20	23	15	13	16	22	20	17	12
.E=Known skip error				517						
.J=Web interview, missing										
.M=Oth missing			3					1		
.R=RF		1								1
.S=Skip,question not asked		16432	14352	17068	15721	14111	15870	14210	13108	17113
0.No		2404	3155	3215	3365	3570	3786	3860	3710	4254
1.Yes		785	458	569	479	468	451	378	382	654

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	13	43	50	15	26	18
.E=Known skip error						1302
.J=Web interview, missing				1	3	
.M=Oth missing	1	1	1			
.R=RF				1	1	1
.S=Skip,question not asked	15888	14355	16699	13406	12530	12429
0.No	4234	3965	3700	3437	2917	1787
1.Yes	418	383	462	286	246	250

SwHATKR: S had heart attack, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		12	17	10	5	8	9	8	7	9
.E=Known skip error				250						
.J=Web interview, missing										
.M=Oth missing			2							
.R=RF										
.S=Skip,question not asked		11317	9732	11404	10423	9252	10437	9246	8271	10660
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.No		1308	1897	1962	1998	2096	2261	2277	2143	2465
1.Yes		453	269	354	304	283	265	204	225	379

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	6	20	20	7	16	6
.E=Known skip error						586
.J=Web interview, missing				1	1	
.M=Oth missing	1	1				
.R=RF						1
.S=Skip,question not asked	9819	8610	9590	7453	6848	6267
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	2407	2160	1935	1748	1483	868
1.Yes	251	221	234	149	129	112

RwHATKDOC: R saw Dr. for heart attack, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA									1	3
.E=Known skip error				517						
.M=Oth missing			2					1		
.S=Skip,question not asked			17531	20298	19099	17697	19678	18090	16835	21412
0.No			9	19	18	5	17	13	18	83
1.Yes			449	550	461	463	434	365	363	536

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	3	1	1	1	3	
.E=Known skip error						1302
.M=Oth missing	1		2	10		
.S=Skip,question not asked	20145	18368	20480	16982	15480	14248
0.No	39	29	39	6	14	30
1.Yes	366	349	390	147	226	207

SwHATKDOC: S saw Dr. for heart attack, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										1
.E=Known skip error				250						
.M=Oth missing			2							
.S=Skip,question not asked			11646	13376	12426	11356	12707	11531	10421	13150
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			2	14	8	3	8	6	13	49
1.Yes			267	340	296	280	257	198	212	313

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	1	1			2	
.E=Known skip error						586
.M=Oth missing	1			10		
.S=Skip,question not asked	12238	10793	11557	9271	8351	7148
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	26	18	17	2	10	13
1.Yes	218	200	205	75	114	93

RwANGINAR: R had angina or chest pains, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		8	16	10	7	10	24	22	26	8
.E=Known skip error				517						
.J=Web interview, missing										
.M=Oth missing			2							1
.R=RF		1								
.S=Skip,question not asked	10986	16432	14352	17068	15721	14111	15870	14211	13108	17102
0.No	1123	2192	2254	2316	2570	2819	3060	3069	3088	4408
1.Yes	543	1009	1367	1473	1280	1225	1175	1167	995	515

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	3	28	52	9	39	17
.E=Known skip error						1301
.J=Web interview, missing				2	3	
.M=Oth missing	2	1				
.R=RF				1	2	1
.S=Skip,question not asked	15844	14312	16716	13390	12531	12434
0.No	4129	3888	3331	3266	2547	1675
1.Yes	576	518	813	478	601	359

SwANGINAR: S had angina or chest pains, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		5	10	3	4	4	10	5	10	4
.E=Known skip error				250						
.J=Web interview, missing										
.M=Oth missing			2							1
.R=RF										
.S=Skip,question not asked	8614	11317	9732	11404	10423	9252	10437	9246	8271	10654
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	912	1225	1372	1446	1574	1694	1860	1861	1816	2578
1.Yes	374	543	801	877	729	689	665	623	549	276

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA		15	22	4	20	5
.E=Known skip error						585
.J=Web interview, missing				1	2	
.M=Oth missing	1					
.R=RF						1
.S=Skip,question not asked	9804	8594	9590	7439	6848	6269
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	2375	2148	1773	1689	1340	813
1.Yes	304	255	394	225	267	167

RwHFAILR: R had cong heart failure, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		12	22	33	12	17	35	26	25	9
.E=Known skip error				517						
.J=Web interview, missing										
.M=Oth missing			2							
.Q=Not asked this wv		8222								
.R=RF		2								
.S=Skip,question not asked		10711	14352	17068	15721	14111	15870	14211	13108	17085
0.No		551	3150	3193	3269	3410	3561	3523	3394	4205
1.Yes		144	465	573	576	627	663	709	690	735

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	10	31	59	14	37	15
.E=Known skip error						1301
.J=Web interview, missing					4	
.M=Oth missing	1		1	2		1
.Q=Not asked this wv						
.R=RF				2	1	1
.S=Skip,question not asked	15834	14298	16708	13389	12531	12430
0.No	4026	3713	3335	3150	2554	1702
1.Yes	683	705	809	589	596	337

SwHFAILR: S had cong heart failure, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		7	16	16	3	10	16	9	13	3
.E=Known skip error				250						
.J=Web interview, missing										
.M=Oth missing			2							
.Q=Not asked this wv		4549								
.R=RF		1								
.S=Skip,question not asked		8237	9732	11404	10423	9252	10437	9246	8271	10645
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		384	417	536	311	220	380	317	365	724
0.No		398	1916	1986	1994	2071	2182	2127	2036	2506
1.Yes		98	251	324	310	306	337	353	326	359

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	3	15	29	6	13	5
.E=Known skip error						585
.J=Web interview, missing					2	
.M=Oth missing	1			1		
.Q=Not asked this wv						
.R=RF				1		1
.S=Skip,question not asked	9794	8581	9591	7442	6849	6268
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	2345	2093	1818	1655	1366	845
1.Yes	341	323	341	253	247	136

RwHFAILH: R hosp for cong hrt failure, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			3	3	2	2	5	4	8	1
.E=Known skip error				517						
.M=Oth missing			2							
.S=Skip,question not asked			17524	20294	19002	17538	19466	17760	16527	21303
0.No			202	237	280	286	320	371	369	362
1.Yes			260	333	294	339	338	334	313	368

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	6	5	6	5	3	1
.E=Known skip error						1319
.M=Oth missing			1	154	3	11
.S=Skip,question not asked	19877	18048	20104	16556	15127	14148
0.No	377	378	448	280	379	183
1.Yes	294	316	353	151	211	125

SwHFAILH: S hosp for cong hrt failure, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			2	1		1	3	1	3	
.E=Known skip error				250						
.M=Oth missing			2							
.S=Skip,question not asked			11664	13406	12420	11333	12635	11382	10320	13157
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			112	142	146	137	161	187	177	172
1.Yes			137	181	164	168	173	165	146	184

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	1	4	1	2	1	
.E=Known skip error						594
.M=Oth missing				73	2	5
.S=Skip,question not asked	12144	10690	11439	9105	8230	7119
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	174	170	192	113	156	61
1.Yes	165	148	147	65	88	61

RwABHRTRR: R had abn. heart rhythm/afib, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										23
.J=Web interview, missing										
.M=Oth missing										12
.R=RF										
.S=Skip,question not asked										17259
0.No										3183
1.Yes										1557

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	67	115	73	40	49	34
.J=Web interview, missing				2	4	
.M=Oth missing	1					
.R=RF			1	3	3	
.S=Skip,question not asked	16205	14667	16732	13622	12524	13751
0.No	2472	2253	2463	1790	1725	1103
1.Yes	1809	1712	1643	1689	1418	899

SwABHRTRR: S had abn. heart rhythm/afib, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										13
.J=Web interview, missing										
.M=Oth missing										4
.R=RF										
.S=Skip,question not asked										10732
.U=Unmarried										7797
.V=Spouse NR										724
0.No										1847
1.Yes										917

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	36	60	24	17	22	8
.J=Web interview, missing				2	2	
.M=Oth missing	1					
.R=RF				1	2	
.S=Skip,question not asked	10007	8776	9606	7545	6845	6859
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	1424	1247	1346	942	927	534
1.Yes	1016	929	803	851	679	439

RwHRTARR: R alt reports heart disease: abnormal rhythm/afib

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										163
.J=Web interview, missing										
.M=Oth missing										
.R=RF										1
.S=Skip,question not asked										21033
0.No										740
1.Yes										97

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	191	118	171	117	152	189
.J=Web interview, missing				6		
.M=Oth missing				2	27	36
.R=RF	1			1	5	5
.S=Skip,question not asked	19406	17610	19317	16198	14465	13759
0.No	792	850	1173	701	907	1258
1.Yes	164	169	251	121	167	540

SwHRTARR: S alt reports heart disease: abnormal rhythm/afib

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										70
.J=Web interview, missing										
.M=Oth missing										
.R=RF										1
.S=Skip,question not asked										12934
.U=Unmarried										7797
.V=Spouse NR										724
0.No										463
1.Yes										45

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	101	50	71	53	78	69
.J=Web interview, missing				4		
.M=Oth missing					15	23
.R=RF	1				4	4
.S=Skip,question not asked	11789	10358	10862	8852	7775	6887
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	507	516	713	388	512	612
1.Yes	86	88	133	61	93	245

RwHRTARTB: R alt reports heart disease: artery blockage

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										163
.J=Web interview, missing										
.M=Oth missing										
.R=RF										1
.S=Skip,question not asked										21038
0.No										574
1.Yes										258

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	191	118	171	117	152	189
.J=Web interview, missing				6		
.M=Oth missing				2	27	36
.R=RF	1			1	5	5
.S=Skip,question not asked	19406	17610	19318	16198	14465	13759
0.No	707	754	1047	580	736	1351
1.Yes	249	265	376	242	338	447

SwHRTARTB: S alt reports heart disease: artery blockage

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										70
.J=Web interview, missing										
.M=Oth missing										
.R=RF										1
.S=Skip,question not asked										12936
.U=Unmarried										7797
.V=Spouse NR										724
0.No										321
1.Yes										185

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	101	50	71	53	78	69
.J=Web interview, missing				4		
.M=Oth missing					15	23
.R=RF	1				4	4
.S=Skip,question not asked	11789	10358	10862	8852	7775	6887
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	430	425	599	308	397	609
1.Yes	163	179	247	141	208	248

RwHRTVAL: R alt reports heart disease: valve problem

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										163
.J=Web interview, missing										
.M=Oth missing										
.R=RF										1
.S=Skip,question not asked										21038
0.No										660
1.Yes										172

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	191	118	171	117	152	189
.J=Web interview, missing				6		
.M=Oth missing				2	27	36
.R=RF	1			1	5	5
.S=Skip,question not asked	19406	17610	19316	16198	14465	13759
0.No	776	833	1247	669	947	1562
1.Yes	180	186	178	153	127	236

SwHRTVAL: S alt reports heart disease: valve problem

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										70
.J=Web interview, missing										
.M=Oth missing										
.R=RF										1
.S=Skip,question not asked										12936
.U=Unmarried										7797
.V=Spouse NR										724
0.No										407
1.Yes										99

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	101	50	71	53	78	69
.J=Web interview, missing				4		
.M=Oth missing					15	23
.R=RF	1				4	4
.S=Skip,question not asked	11789	10358	10861	8852	7775	6887
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	485	501	748	373	542	752
1.Yes	108	103	99	76	63	105

RwHRTFLR: R alt reports heart disease: hrt failure

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										163
.J=Web interview, missing										
.M=Oth missing										
.R=RF										1
.S=Skip,question not asked										21038
0.No										801
1.Yes										31

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	191	118	171	117	152	189
.J=Web interview, missing				6		
.M=Oth missing				2	27	36
.R=RF	1			1	5	5
.S=Skip,question not asked	19406	17610	19318	16198	14465	13759
0.No	922	978	1371	783	1010	1618
1.Yes	34	41	52	39	64	180

SwHRTFLR: S alt reports heart disease: hrt failure

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										70
.J=Web interview, missing										
.M=Oth missing										
.R=RF										1
.S=Skip,question not asked										12936
.U=Unmarried										7797
.V=Spouse NR										724
0.No										488
1.Yes										18

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	101	50	71	53	78	69
.J=Web interview, missing				4		
.M=Oth missing					15	23
.R=RF	1				4	4
.S=Skip,question not asked	11789	10358	10862	8852	7775	6887
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	573	583	820	431	574	792
1.Yes	20	21	26	18	31	65

RwHRTRSK: R alt reports heart disease: hrt disease risk factor

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										163
.J=Web interview, missing										
.M=Oth missing										
.R=RF										1
.S=Skip,question not asked										21038
0.No										778
1.Yes										54

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	191	118	171	117	152	189
.J=Web interview, missing				6		
.M=Oth missing				2	27	36
.R=RF	1			1	5	5
.S=Skip,question not asked	19406	17610	19318	16198	14465	13759
0.No	894	945	1344	764	982	1687
1.Yes	62	74	79	58	92	111

SwHRTRSK: S alt reports heart disease: hrt disease risk factor

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										70
.J=Web interview, missing										
.M=Oth missing										
.R=RF										1
.S=Skip,question not asked										12936
.U=Unmarried										7797
.V=Spouse NR										724
0.No										479
1.Yes										27

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	101	50	71	53	78	69
.J=Web interview, missing				4		
.M=Oth missing					15	23
.R=RF	1				4	4
.S=Skip,question not asked	11789	10358	10862	8852	7775	6887
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	548	563	795	414	548	813
1.Yes	45	41	51	35	57	44

RwHRTPRC: R alt reports heart disease: surgery/procedure

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										163
.J=Web interview, missing										
.M=Oth missing										
.R=RF										1
.S=Skip,question not asked										21038
0.No										613
1.Yes										219

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	191	118	171	117	152	189
.J=Web interview, missing				6		
.M=Oth missing				2	27	36
.R=RF	1			1	5	5
.S=Skip,question not asked	19406	17610	19316	16198	14465	13759
0.No	728	796	1025	663	831	1534
1.Yes	228	223	400	159	243	264

SwHRTPRC: S alt reports heart disease: surgery/procedure

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										70
.J=Web interview, missing										
.M=Oth missing										
.R=RF										1
.S=Skip,question not asked										12936
.U=Unmarried										7797
.V=Spouse NR										724
0.No										374
1.Yes										132

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	101	50	71	53	78	69
.J=Web interview, missing				4		
.M=Oth missing					15	23
.R=RF	1				4	4
.S=Skip,question not asked	11789	10358	10861	8852	7775	6887
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	450	451	590	354	450	701
1.Yes	143	153	257	95	155	156

RwHRTOTH: R alt reports heart disease: other

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										163
.J=Web interview, missing										
.M=Oth missing										
.R=RF										1
.S=Skip,question not asked										21035
0.No										728
1.Yes										107

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	191	118	171	117	152	189
.J=Web interview, missing				6		
.M=Oth missing				2	27	36
.R=RF	1			1	5	5
.S=Skip,question not asked	19406	17610	19317	16198	14465	13759
0.No	779	852	1114	698	888	1492
1.Yes	177	167	310	124	186	306

SwHRTOTH: S alt reports heart disease: other

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										70
.J=Web interview, missing										
.M=Oth missing										
.R=RF										1
.S=Skip,question not asked										12934
.U=Unmarried										7797
.V=Spouse NR										724
0.No										447
1.Yes										61

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	101	50	71	53	78	69
.J=Web interview, missing				4		
.M=Oth missing					15	23
.R=RF	1				4	4
.S=Skip,question not asked	11789	10358	10862	8852	7775	6887
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	488	507	672	383	510	711
1.Yes	105	97	174	66	95	146

RwHRTTRTR: R had heart test/treatment, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		9	7	21	11	19	24	22	23	86
.E=Known skip error				517						
.J=Web interview, missing										
.M=Oth missing		1								
.Q=Not asked this wv		8222								
.R=RF										
.S=Skip,question not asked		11002	17526	17068	15721	14111	15870	14211	13108	17545
0.No		177	282	2646	2873	2992	3157	3180	3061	3111
1.Yes		231	176	1132	973	1043	1078	1056	1025	1292

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	87	110	79	46	56	50
.E=Known skip error						1
.J=Web interview, missing				1	1	
.M=Oth missing	2					
.Q=Not asked this wv						
.R=RF		1		1	2	2
.S=Skip,question not asked	16208	14673	16801	13629	12531	12524
0.No	3260	3089	3098	2717	2493	2470
1.Yes	997	874	934	752	640	740

SwHRTTRTR: S had heart test/treatment, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		6	3	9	5	9	10	2	6	41
.E=Known skip error				250						
.J=Web interview, missing										
.M=Oth missing		1								
.Q=Not asked this wv		4549								
.R=RF										
.S=Skip,question not asked		8453	11666	11404	10423	9252	10437	9246	8271	10913
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		384	417	536	311	220	380	317	365	724
0.No		114	140	1559	1665	1689	1841	1825	1753	1772
1.Yes		167	108	758	637	689	684	662	616	787

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	37	58	27	17	33	11
.E=Known skip error						1
.J=Web interview, missing				1	1	
.M=Oth missing	2					
.Q=Not asked this wv						
.R=RF					1	1
.S=Skip,question not asked	10015	8779	9633	7551	6853	6303
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	1835	1677	1618	1389	1255	1148
1.Yes	595	498	501	400	334	376

RwHRTSURR: R had heart surgery, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		5	9			1	3	7	1	57
.E=Known skip error				517						
.M=Oth missing		1	2							
.Q=Not asked this wv		8222								
.R=RF										
.S=Skip,question not asked		11002	14352	17068	15721	14111	15870	14211	13108	17545
0.No		327	3263	3385	3501	3644	3861	3872	3752	3980
1.Yes		85	365	414	356	409	395	379	356	452

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	47	71	45	22	23	28
.E=Known skip error						
.M=Oth missing	2				1	
.Q=Not asked this wv						
.R=RF				1	1	
.S=Skip,question not asked	16208	14673	16801	13629	12531	12524
0.No	3953	3681	3709	3203	2896	2925
1.Yes	344	322	357	291	271	310

SwHRTSURR: S had heart surgery, prv 2 yrs/since PrvIvw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		5	8			1	1	2		27
.E=Known skip error				250						
.M=Oth missing		1	2							
.Q=Not asked this wv		4549								
.S=Skip,question not asked		8453	9732	11404	10423	9252	10437	9246	8271	10913
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		384	417	536	311	220	380	317	365	724
0.No		210	1919	2037	2068	2110	2269	2241	2141	2299
1.Yes		72	256	289	239	276	265	246	234	274

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	23	38	17	11	12	3
.E=Known skip error						
.M=Oth missing	2					
.Q=Not asked this wv						
.S=Skip,question not asked	10015	8779	9633	7551	6853	6303
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	2225	2002	1912	1630	1462	1363
1.Yes	219	193	217	166	150	171

How Constructed

Respondents who report having heart conditions (captured in RwHEART) are asked a series of follow-up questions that explore these conditions and treatments. If a Respondent indicates that they don't have or don't know if they have a heart condition, then all subsequent heart questions are not asked and the variables are set to ".S=Skip, question not asked."

RwHRTDOC indicates if a Respondent has seen a doctor for heart problems in the prior two years. Beginning in Wave 3, RwHRTMED indicates if a respondent is currently taking heart medication. If a Respondent indicates that they have not seen a doctor

or are not taking a heart medication, they are not asked subsequent heart condition questions and all heart condition and treatment variables are set to ".S=Skip, question not asked." If Respondent gave a response that was classified as "other" they are set as ".M=Other Missing."

RwHATKR, RwANGINAR, RwHFAILR, RwABHRTRR, RwHRTTRTR, and RHRTSURR, indicate if a Respondent has had a heart attack or myocardial infarction, experienced angina or chest pains, experienced congestive heart failure, had an abnormal heart rhythm or atrial fibrillation, had a heart treatment such as cardiac catheterization, coronary angiogram or angioplasty, or had a heart surgery in the last two years or since their prior interview respectively.

Several follow up questions are asked for those indicating they have had a heart attack in the last two years or since last interview. RwHATKRY indicates the year of the Respondent's most recent heart attack. Beginning in Wave 3, RwHATKRM indicates the month of the Respondent's most recent heart attack. Also beginning in Wave 3, RwHATKDOC indicates if the Respondent saw a doctor for their reported heart attack in the last two years or since last interview. If no heart attack in the last two years or since last interview was reported, these questions are skipped and these variables are set to ".S=Skip, question not asked." If a heart attack was reported but it was more than two years ago or the year was not reported the month question is not asked and RwHATKRM is set to ".S=Skip, question not asked."

Beginning in Wave 3, RwHFAILH, indicates if the Respondent was hospitalized overnight due to congestive heart failure. If a Respondent did not report having congestive heart failure in the last two years or since last interview (RwHFAILR not equal 1), RwHFAILH is set to ".S=Skip, question not asked."

Beginning in Wave 10, if Respondents didn't indicate any of the identified heart conditions, but have indicated having a heart condition generally, they are asked to provide what heart condition(s) they have as an open-ended response. HRS then categorizes these open-ended responses into one of 7 categories. A Respondent can have up to two concurrent open-ended categorizations which we provide as the following dichotomous variables.

RwHRTARR indicates an abnormal heart rhythm which includes "heart skips", atrial fibrillation, palpitations, tachycardia, and pacemaker. RwHRTARTB indicates a blockage in arteries which includes clogged arteries, hardening of the arteries, build ups in the arteries, collapsed arteries, arteriosclerosis, and/or bundle branch blocks. RwHRTVAL indicates valve problems which includes mitral valve prolapse, leaky heart valves, valves wearing out, narrowing of valve(s), aortic stenosis, leaking heart problems, and heart murmurs. RwHRTFLR indicates heart failure which includes enlarged hearts, congestive heart failure, and enlarged chambers. RwHRTRSK indicates various heart disease risk factors including high blood pressure, high blood lipids, fats and cholesterol, smoking and diabetes. RwHRTPRC indicates heart surgery and procedures including bypass surgeries, stent insertions, open heart surgeries, pacemaker insertions, heart valve surgeries, and other stent procedures. RwHRTOTH indicates other heart conditions not categorized by these groups.

Some categories overlap with existing heart conditions variables produced from standalone questions. However more granular information about open-ended responses are not available in publicly released data. Users may consider combining these with other heart-condition variables based on their research needs.

The spouse heart condition variables are taken from the Wave "w" spouse's self-reported information, e.g., S3BHRTDOC is taken from the Wave 3 spouse's R3HRTDOC.

Cross Wave Differences in Original HRS Data

In Wave 1, heart variables include HRS imputations to the core data.

The questions used to derive RwHATKR, RwHFAILR, RwHRTTRTR, and RwHRTSURR are asked starting in Wave 2. The questions used to derive RwHFAILR, RwHRTTRTR, and RwHRTSURR are not asked in Wave 2A so they are set to ".Q=Not asked this wv" for Respondents in the AHEAD Cohort in Wave 2.

The questions used to derive RwHRTMED, RwHATKDOC, RwHATKRM, and RwHFAILH are asked starting in Wave 3.

The questions used to derive RwABHRTRR, RwHRTARR, RwHRTARTB, RwHRTVAL, RwHRTFLR, RwHRTRSK, RwHRTPRC, and RwHRTOTH are asked starting in Wave 10.

The question wording for HRS heart variables vary considerably in early waves.

In Wave 1 and 2H, the question used to derive RwHRTDOC reads "During the last 12 months, have you seen a doctor for any of your heart problems?". This question is not asked in Wave 2A so R2HRTDOC is set to ".Q=Not asked this wv" for Respondents in the AHEAD Cohort in Wave 2. From Wave 3 forward, the question uses a reference period using the date of the last interview or in the prior two years.

In Wave 2A the question used to derive RwHRTATKR reads: "Have you had a heart attack in the past five years." In Wave 2H and from Wave 3 forward, the question uses a reference period using the date of the last interview or in the prior two years.

In Wave 1 and 2H, the question used to derive RwANGINAR asks reads, "Do you currently have any angina or chest pains due to your heart?" In wave 2A, it reads"have you recently had any angina or chest pains due to your heart". From Wave 3 forward, the question uses a reference period using the date of the last interview or in the prior two years.

In Wave 3, if the Respondent did not indicate they have congestive heart failure (R3HFAILR not equal 1), they are not asked the question used to derive R3HRTTRTR and this variable is set to ".S=Skip."

In Wave 2H, if a Respondent indicates they didn't have a heart attack and don't take congestive heart medication or medication for angina, they are not asked the question used to derive R2HRTDOC, R2HRTTRTR, or R2HRTSURR and these variables are set to ".S=Skip, question not asked."

In Wave 10, and for new Respondents thereafter, a small history for many heart conditions is asked. If a Respondent indicates ever having a condition and that condition occurs in the reference period of the last two years or since the prior interview, they are not asked about recently having that condition. In these cases, the recent condition variable is set to yes. Any date information when available is also added as appropriate. If a Respondent indicate that they never have had the condition in the ever-had question, then the recent condition is set to "0=No." This additional information is used in wave 10 forward to derive RwHATKR, RwHATKRY, RwHATKRM, RwANGINAR, RwHFAILR, and RwABHRTRR.

For some Respondents in Wave 4 and Wave 16, known data collection issues impact data availability. Variables affected by these issues are set to ".E= Known skip error." Please see the HRS data documentation and data description for these waves for more information.

HRS Variables Used

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HRS 1992:
    V406            B16:EVER HEART PROBL:IMP
    V407            B16A:HRT ATTK/MYOCRL:IMP
    V408            B16B:LST HRT ATTK/MI:IMP
    V409            B17:ANIGMA/CHEST PAI:IMP
    V411            B18:CONGESTV HRT FAI:IMP
    V414            B19:SEEN DOCTR IN LS:IMP
    V415            B20:ANGIOGRAM/CATHER:IMP
    V416            B21:EVER HEART SURGE:IMP
AHEAD 1993:
    B242            B7. HEART CONDITION: EVER
    B244            B7a. HEART ATTACK PAST 5 YEARS
    B245            B7b. ANGINA RECENTLY
HRS 1994:
    W2RESP          HRS Wave 2 Status Flag
    W367            B15.HEART PROBLEMS EVER
    W368            B15.HEART CONDITIONS
    W369            B15a.HEART ATTACK/MYOCAR
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    W370            B15b.HEART ATTACK-YEAR
    W371            B16.ANGINA/CHEST PAINS
    W372            B16a.MEDICATIONS FOR CHE
    W373            B17.CONGESTIVE HEART FAI
    W374            B17a.MEDICATIONS FOR HEA
    W376            B18.VISIT DOCTOR IN LAST
    W377            B19.HEART TESTS/CATHERIZ
    W378            B20.HEART SURGERY
    W391            B24d.SURGICAL PROCEDURES
    W392            B24d-1.TYPES OF SURGERY
    W393            B24d-1.TYPES OF SURGERY
AHEAD 1995:
    D113            W1 HEART V244/245/252
    D370            W1 INTERV
    D828            B7. HEART CONDITION
    D829            B7A. HEART MEDICATION
    D830            B7B. HEART SEEN DR
    D834            B7D. HEART ATTACK
    D836            B7E. DOCTOR FOR HEART ATTACK
    D838            B7G.DATE RECENT HEARTATTACK
    D839            B7Y.YEAR RECENT HEARTATTACK
    D840            B7I. ANGINA
    D843            B7K. CONGESTIVE HEART
    D844            B7M. CONGESTIVE HOSPITAL
    D846            B7P.HEART TREATMENT
    D847            B7Q. HEART SURGERY
HRS 1996:
    E113            PREV WAVE HEART V244/245/252
    E370            PREV WAVE INTERV
    E828            B7. HEART CONDITION
    E829            B7A. HEART MEDICATION
    E830            B7B. HEART SEEN DR
    E834            B7D. HEART ATTACK
    E836            B7E. DOCTOR FOR HEART ATTACK
    E838            B7G.DATE RECENT HEARTATTACK
    E839            B7Y.YEAR RECENT HEARTATTACK
    E840            B7I. ANGINA
    E843            B7KB. CONGESTIVE HEART
    E844            B7M. CONGESTIVE HOSPITAL
    E846            B7P.HEART TREATMENT
    E847            B7Q. HEART SURGERY
HRS 1998:
    F1156           B7. HEART CONDITION
    F1156A          B7. HEART CONDITION
    F1157           B7A. HEART MEDICATION
    F1158           B7B. HEART SEEN DR
    F1162           B7D. HEART ATTACK
    F1164           B7E. DOCTOR FOR HEART ATTACK
    F1166           B7G.YEAR RECENT HEARTATTACK
    F1167           B7H.MONTH RECENT HEARTATTACK
    F1168           B7I. ANGINA
    F1171           B7KB. CONGESTIVE HEART
    F1172           B7M. CONGESTIVE HOSPITAL
    F1174           B7P.HEART TREATMENT
    F1175           B7Q. HEART SURGERY
    F234            PREV WAVE HEART
    F682            PREVIOUS WAVE INTERV
HRS 2000:
    G1289           B7. HEART CONDITION
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	G1290	B7A. HEART MEDICATION
	G1291	B7B. HEART SEEN DR
	G1295	B7D. HEART ATTACK
	G1297	B7E. DOCTOR FOR HEART ATTACK
	G1299	B7G.YEAR RECENT HEARTATTACK
	G1300	B7H.MONTH RECENT HEARTATTACK
	G1301	B7I. ANGINA
	G1304	B7KB. CONGESTIVE HEART
	G1305	B7M. CONGESTIVE HOSPITAL
	G1307	B7P.HEART TREATMENT
	G1308	B7Q. HEART SURGERY
	G234	PR234.PREV WAVE HEART
	G753	CS22Y30.PREVIOUS WAVE INTERV
HRS 2002-2022:		
	xA009	PROXY/SELF INTERVIEW
	xA010	CURRENT - WAVE PROXY
	xC036	HEART CONDITION
	xC037	HEART MEDICATION
	xC038	HAS R SEEN HEART DOCTOR
	xC040	HEART ATTACK
	xC041	R SEEN DOCTOR FOR HEART ATTACK
	xC043	YR RECENT HEART ATTACK
	xC044	MO RECENT HEART ATTACK
	xC045	ANGINA
	xC048	CONGESTIVE HEART FAILURE
	xC049	HOSPITALIZED DUE TO HEART FAILURE
	xC051	HEART TREATMENT
	xC052	HEART SURGERY
	xIWYEAR	2002 INTERVIEW YEAR
	xZ076	R EVER INTERVIEWED
	xZ093	PREV WAVE IW YEAR
	xZ095	PREV WAVE IW SELF/PROXY
	xZ105	PREV WAVE R HAS HEART PROBLEMS
	xZ106	PREV WAVE R HAS HAD STROKE
HRS 2004-2022:		
	xC185	DIFFERENT REPORTER FROM PREV IW
HRS 2010-2022:		
	xC257	EVER HAD HEART ATTACK
	xC258	YEAR FIRST HAD HEART ATTACK
	xC259	MONTH FIRST HAD HEART ATTACK
	xC260	EVER HAD ANGINA
	xC261	YEAR HAD FIRST ANGINA
	xC263	EVER HAD HEART FAILURE
	xC264	YEAR FIRST HAD HEART FAILURE
	xC266	EVER HAD ABNORMAL HEART RHYTHM
	xC267	YEAR FIRST HAD ABNORMAL HEART RHYTHM
	xC269	RECENT REPORT ABNORMAL HEART RHYTHM
	xC274	HAD OTHER HEART ATTACKS
	xC275	NUMBER OF OTHER HEART ATTACKS
	xC276	YEAR OF MOST RECENT HEART ATTACK
	xC277	MONTH OF MOST RECENT HEART ATTACK
	xZ255	HEART DISEASE BASELINE

Sleep: Sleep trouble

Wave	Variable	Label	Type
6	R6SLEEPFAL	R6SLEEPFAL:W6 R reports trouble falling asleep	Categ
7	R7SLEEPFAL	R7SLEEPFAL:W7 R reports trouble falling asleep	Categ
8	R8SLEEPFAL	R8SLEEPFAL:W8 R reports trouble falling asleep	Categ
9	R9SLEEPFAL	R9SLEEPFAL:W9 R reports trouble falling asleep	Categ
10	R10SLEEPFAL	R10SLEEPFAL:W10 R reports trouble falling asleep	Categ
11	R11SLEEPFAL	R11SLEEPFAL:W11 R reports trouble falling asleep	Categ
12	R12SLEEPFAL	R12SLEEPFAL:W12 R reports trouble falling asleep	Categ
13	R13SLEEPFAL	R13SLEEPFAL:W13 R reports trouble falling asleep	Categ
14	R14SLEEPFAL	R14SLEEPFAL:W14 R reports trouble falling asleep	Categ
15	R15SLEEPFAL	R15SLEEPFAL:W15 R reports trouble falling asleep	Categ
16	R16SLEEPFAL	R16SLEEPFAL:W16 R reports trouble falling asleep	Categ
6	S6SLEEPFAL	S6SLEEPFAL:W6 S reports trouble falling asleep	Categ
7	S7SLEEPFAL	S7SLEEPFAL:W7 S reports trouble falling asleep	Categ
8	S8SLEEPFAL	S8SLEEPFAL:W8 S reports trouble falling asleep	Categ
9	S9SLEEPFAL	S9SLEEPFAL:W9 S reports trouble falling asleep	Categ
10	S10SLEEPFAL	S10SLEEPFAL:W10 S reports trouble falling asleep	Categ
11	S11SLEEPFAL	S11SLEEPFAL:W11 S reports trouble falling asleep	Categ
12	S12SLEEPFAL	S12SLEEPFAL:W12 S reports trouble falling asleep	Categ
13	S13SLEEPFAL	S13SLEEPFAL:W13 S reports trouble falling asleep	Categ
14	S14SLEEPFAL	S14SLEEPFAL:W14 S reports trouble falling asleep	Categ
15	S15SLEEPFAL	S15SLEEPFAL:W15 S reports trouble falling asleep	Categ
16	S16SLEEPFAL	S16SLEEPFAL:W16 S reports trouble falling asleep	Categ
6	R6SLEEPWKN	R6SLEEPWKN:W6 R reports trouble waking up during night	Categ
7	R7SLEEPWKN	R7SLEEPWKN:W7 R reports trouble waking up during night	Categ
8	R8SLEEPWKN	R8SLEEPWKN:W8 R reports trouble waking up during night	Categ
9	R9SLEEPWKN	R9SLEEPWKN:W9 R reports trouble waking up during night	Categ
10	R10SLEEPWKN	R10SLEEPWKN:W10 R reports trouble waking up during night	Categ
11	R11SLEEPWKN	R11SLEEPWKN:W11 R reports trouble waking up during night	Categ
12	R12SLEEPWKN	R12SLEEPWKN:W12 R reports trouble waking up during night	Categ
13	R13SLEEPWKN	R13SLEEPWKN:W13 R reports trouble waking up during night	Categ
14	R14SLEEPWKN	R14SLEEPWKN:W14 R reports trouble waking up during night	Categ
15	R15SLEEPWKN	R15SLEEPWKN:W15 R reports trouble waking up during night	Categ
16	R16SLEEPWKN	R16SLEEPWKN:W16 R reports trouble waking up during night	Categ
6	S6SLEEPWKN	S6SLEEPWKN:W6 S reports trouble waking up during night	Categ
7	S7SLEEPWKN	S7SLEEPWKN:W7 S reports trouble waking up during night	Categ
8	S8SLEEPWKN	S8SLEEPWKN:W8 S reports trouble waking up during night	Categ
9	S9SLEEPWKN	S9SLEEPWKN:W9 S reports trouble waking up during night	Categ
10	S10SLEEPWKN	S10SLEEPWKN:W10 S reports trouble waking up during night	Categ
11	S11SLEEPWKN	S11SLEEPWKN:W11 S reports trouble waking up during night	Categ
12	S12SLEEPWKN	S12SLEEPWKN:W12 S reports trouble waking up during night	Categ
13	S13SLEEPWKN	S13SLEEPWKN:W13 S reports trouble waking up during night	Categ
14	S14SLEEPWKN	S14SLEEPWKN:W14 S reports trouble waking up during night	Categ
15	S15SLEEPWKN	S15SLEEPWKN:W15 S reports trouble waking up during night	Categ
16	S16SLEEPWKN	S16SLEEPWKN:W16 S reports trouble waking up during night	Categ
6	R6SLEEPWKE	R6SLEEPWKE:W6 R reports trouble waking up too early	Categ
7	R7SLEEPWKE	R7SLEEPWKE:W7 R reports trouble waking up too early	Categ
8	R8SLEEPWKE	R8SLEEPWKE:W8 R reports trouble waking up too early	Categ
9	R9SLEEPWKE	R9SLEEPWKE:W9 R reports trouble waking up too early	Categ
10	R10SLEEPWKE	R10SLEEPWKE:W10 R reports trouble waking up too early	Categ
11	R11SLEEPWKE	R11SLEEPWKE:W11 R reports trouble waking up too early	Categ
12	R12SLEEPWKE	R12SLEEPWKE:W12 R reports trouble waking up too early	Categ
13	R13SLEEPWKE	R13SLEEPWKE:W13 R reports trouble waking up too early	Categ
14	R14SLEEPWKE	R14SLEEPWKE:W14 R reports trouble waking up too early	Categ
15	R15SLEEPWKE	R15SLEEPWKE:W15 R reports trouble waking up too early	Categ
16	R16SLEEPWKE	R16SLEEPWKE:W16 R reports trouble waking up too early	Categ
6	S6SLEEPWKE	S6SLEEPWKE:W6 S reports trouble waking up too early	Categ
7	S7SLEEPWKE	S7SLEEPWKE:W7 S reports trouble waking up too early	Categ
8	S8SLEEPWKE	S8SLEEPWKE:W8 S reports trouble waking up too early	Categ
9	S9SLEEPWKE	S9SLEEPWKE:W9 S reports trouble waking up too early	Categ
10	S10SLEEPWKE	S10SLEEPWKE:W10 S reports trouble waking up too early	Categ
11	S11SLEEPWKE	S11SLEEPWKE:W11 S reports trouble waking up too early	Categ

12	S12SLEEPWKE	S12SLEEPWKE:W12 S reports trouble waking up too early	Categ
13	S13SLEEPWKE	S13SLEEPWKE:W13 S reports trouble waking up too early	Categ
14	S14SLEEPWKE	S14SLEEPWKE:W14 S reports trouble waking up too early	Categ
15	S15SLEEPWKE	S15SLEEPWKE:W15 S reports trouble waking up too early	Categ
16	S16SLEEPWKE	S16SLEEPWKE:W16 S reports trouble waking up too early	Categ
6	R6SLEEPRT	R6SLEEPRT:W6 R reports feeling rested in AM	Categ
7	R7SLEEPRT	R7SLEEPRT:W7 R reports feeling rested in AM	Categ
8	R8SLEEPRT	R8SLEEPRT:W8 R reports feeling rested in AM	Categ
9	R9SLEEPRT	R9SLEEPRT:W9 R reports feeling rested in AM	Categ
10	R10SLEEPRT	R10SLEEPRT:W10 R reports feeling rested in AM	Categ
11	R11SLEEPRT	R11SLEEPRT:W11 R reports feeling rested in AM	Categ
12	R12SLEEPRT	R12SLEEPRT:W12 R reports feeling rested in AM	Categ
13	R13SLEEPRT	R13SLEEPRT:W13 R reports feeling rested in AM	Categ
14	R14SLEEPRT	R14SLEEPRT:W14 R reports feeling rested in AM	Categ
15	R15SLEEPRT	R15SLEEPRT:W15 R reports feeling rested in AM	Categ
16	R16SLEEPRT	R16SLEEPRT:W16 R reports feeling rested in AM	Categ
6	S6SLEEPRT	S6SLEEPRT:W6 S reports feeling rested in AM	Categ
7	S7SLEEPRT	S7SLEEPRT:W7 S reports feeling rested in AM	Categ
8	S8SLEEPRT	S8SLEEPRT:W8 S reports feeling rested in AM	Categ
9	S9SLEEPRT	S9SLEEPRT:W9 S reports feeling rested in AM	Categ
10	S10SLEEPRT	S10SLEEPRT:W10 S reports feeling rested in AM	Categ
11	S11SLEEPRT	S11SLEEPRT:W11 S reports feeling rested in AM	Categ
12	S12SLEEPRT	S12SLEEPRT:W12 S reports feeling rested in AM	Categ
13	S13SLEEPRT	S13SLEEPRT:W13 S reports feeling rested in AM	Categ
14	S14SLEEPRT	S14SLEEPRT:W14 S reports feeling rested in AM	Categ
15	S15SLEEPRT	S15SLEEPRT:W15 S reports feeling rested in AM	Categ
16	S16SLEEPRT	S16SLEEPRT:W16 S reports feeling rested in AM	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R6SLEEPFAL	18127	2.47	0.70	1.0	3.0
R7SLEEPFAL	20086	2.45	0.72	1.0	3.0
R8SLEEPFAL	18434	2.42	0.72	1.0	3.0
R9SLEEPFAL	143	2.38	0.77	1.0	3.0
R10SLEEPFAL	21986	2.37	0.73	1.0	3.0
R11SLEEPFAL	516	2.38	0.73	1.0	3.0
R12SLEEPFAL	18672	2.35	0.74	1.0	3.0
R13SLEEPFAL	20831	2.33	0.75	1.0	3.0
R14SLEEPFAL	17087	2.33	0.73	1.0	3.0
R15SLEEPFAL	15643	2.31	0.73	1.0	3.0
R16SLEEPFAL	15710	2.30	0.75	1.0	3.0
S6SLEEPFAL	11631	2.52	0.67	1.0	3.0
S7SLEEPFAL	12955	2.49	0.70	1.0	3.0
S8SLEEPFAL	11723	2.47	0.70	1.0	3.0
S9SLEEPFAL	139	2.40	0.76	1.0	3.0
S10SLEEPFAL	13495	2.42	0.70	1.0	3.0
S11SLEEPFAL	448	2.39	0.72	1.0	3.0
S12SLEEPFAL	10978	2.40	0.71	1.0	3.0
S13SLEEPFAL	11741	2.39	0.72	1.0	3.0
S14SLEEPFAL	9336	2.39	0.71	1.0	3.0
S15SLEEPFAL	8439	2.37	0.71	1.0	3.0
S16SLEEPFAL	7806	2.35	0.72	1.0	3.0
R6SLEEPWKN	18078	2.15	0.78	1.0	3.0
R7SLEEPWKN	20041	2.14	0.80	1.0	3.0
R8SLEEPWKN	18391	2.14	0.80	1.0	3.0
R9SLEEPWKN	143	2.28	0.77	1.0	3.0

R10SLEEPWKN	21913	2.15	0.78	1.0	3.0
R11SLEEPWKN	513	2.22	0.78	1.0	3.0
R12SLEEPWKN	18617	2.14	0.78	1.0	3.0
R13SLEEPWKN	20785	2.16	0.77	1.0	3.0
R14SLEEPWKN	17069	2.15	0.76	1.0	3.0
R15SLEEPWKN	15596	2.16	0.76	1.0	3.0
R16SLEEPWKN	15679	2.13	0.76	1.0	3.0
S6SLEEPWKN	11615	2.16	0.77	1.0	3.0
S7SLEEPWKN	12944	2.16	0.80	1.0	3.0
S8SLEEPWKN	11710	2.16	0.79	1.0	3.0
S9SLEEPWKN	139	2.27	0.78	1.0	3.0
S10SLEEPWKN	13474	2.17	0.78	1.0	3.0
S11SLEEPWKN	446	2.21	0.78	1.0	3.0
S12SLEEPWKN	10961	2.17	0.78	1.0	3.0
S13SLEEPWKN	11731	2.19	0.76	1.0	3.0
S14SLEEPWKN	9323	2.19	0.74	1.0	3.0
S15SLEEPWKN	8425	2.20	0.74	1.0	3.0
S16SLEEPWKN	7795	2.16	0.75	1.0	3.0
R6SLEEPWKE	18077	2.47	0.70	1.0	3.0
R7SLEEPWKE	20035	2.44	0.72	1.0	3.0
R8SLEEPWKE	18374	2.43	0.72	1.0	3.0
R9SLEEPWKE	143	2.45	0.71	1.0	3.0
R10SLEEPWKE	21941	2.39	0.72	1.0	3.0
R11SLEEPWKE	515	2.41	0.71	1.0	3.0
R12SLEEPWKE	18666	2.38	0.72	1.0	3.0
R13SLEEPWKE	20837	2.37	0.73	1.0	3.0
R14SLEEPWKE	17098	2.37	0.71	1.0	3.0
R15SLEEPWKE	15646	2.38	0.70	1.0	3.0
R16SLEEPWKE	15719	2.36	0.72	1.0	3.0
S6SLEEPWKE	11621	2.50	0.68	1.0	3.0
S7SLEEPWKE	12942	2.47	0.70	1.0	3.0
S8SLEEPWKE	11708	2.46	0.71	1.0	3.0
S9SLEEPWKE	139	2.45	0.70	1.0	3.0
S10SLEEPWKE	13483	2.43	0.70	1.0	3.0
S11SLEEPWKE	449	2.42	0.71	1.0	3.0
S12SLEEPWKE	10980	2.42	0.70	1.0	3.0
S13SLEEPWKE	11754	2.41	0.71	1.0	3.0
S14SLEEPWKE	9342	2.41	0.70	1.0	3.0
S15SLEEPWKE	8448	2.42	0.68	1.0	3.0
S16SLEEPWKE	7814	2.40	0.70	1.0	3.0
R6SLEEPRT	18028	1.52	0.72	1.0	3.0
R7SLEEPRT	19996	1.56	0.74	1.0	3.0
R8SLEEPRT	18338	1.56	0.75	1.0	3.0
R9SLEEPRT	17147	1.56	0.71	1.0	3.0
R10SLEEPRT	21935	1.63	0.74	1.0	3.0
R11SLEEPRT	20424	1.61	0.72	1.0	3.0
R12SLEEPRT	18671	1.64	0.74	1.0	3.0
R13SLEEPRT	20830	1.68	0.76	1.0	3.0
R14SLEEPRT	17089	1.67	0.74	1.0	3.0
R15SLEEPRT	15646	1.65	0.74	1.0	3.0
R16SLEEPRT	15709	1.68	0.75	1.0	3.0
S6SLEEPRT	11599	1.50	0.72	1.0	3.0
S7SLEEPRT	12923	1.54	0.73	1.0	3.0
S8SLEEPRT	11691	1.55	0.74	1.0	3.0

S9SLEEPRT	10625	1.54	0.70	1.0	3.0
S10SLEEPRT	13484	1.60	0.74	1.0	3.0
S11SLEEPRT	12424	1.59	0.71	1.0	3.0
S12SLEEPRT	10986	1.62	0.73	1.0	3.0
S13SLEEPRT	11754	1.66	0.75	1.0	3.0
S14SLEEPRT	9340	1.65	0.73	1.0	3.0
S15SLEEPRT	8450	1.62	0.73	1.0	3.0
S16SLEEPRT	7809	1.65	0.74	1.0	3.0

Categorical Variable Codes

RwSLEEPFAL: R reports trouble falling asleep

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK						37	39	32		43
.J=Web interview, missing										
.M=Oth missing								2		
.P=Answered prev wv									17074	
.R=RF						1	4	1		5
1.Most of the time						2178	2780	2570	25	3284
2.Sometimes						5161	5580	5482	38	7383
3.Rarely or never						10788	11726	10382	80	11319

Value	w11	w12	w13	w14	w15	w16
.D=DK	2	73	69	52	71	65
.J=Web interview, missing					2	7
.M=Oth missing	1		1			1
.P=Answered prev wv	20035					
.R=RF		2	11	7	7	4
1.Most of the time	77	2936	3538	2670	2508	2724
2.Sometimes	165	6358	6935	6050	5704	5552
3.Rarely or never	274	9378	10358	8367	7431	7434

SwSLEEPFAL: S reports trouble falling asleep

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK						8	15	10		16
.J=Web interview, missing										
.M=Oth missing								1		
.P=Answered prev wv									10507	
.R=RF							2	1		2
.U=Unmarried						6306	6777	6417	6206	7797
.V=Spouse NR						220	380	317	365	724
1.Most of the time						1186	1599	1407	23	1707
2.Sometimes						3196	3433	3365	38	4434
3.Rarely or never						7249	7923	6951	78	7354

Value	w11	w12	w13	w14	w15	w16
.D=DK	2	33	35	21	32	25
.J=Web interview, missing					2	5
.M=Oth missing						
.P=Answered prev wv	12034					
.R=RF		1	3	1	4	4
.U=Unmarried	7473	7125	8024	6678	6193	6541

.V=Spouse NR	597	610	1109	1110	1053	1406
1.Most of the time	62	1474	1694	1239	1165	1147
2.Sometimes	150	3639	3825	3249	2992	2745
3.Rarely or never	236	5865	6222	4848	4282	3914

RwSLEEPWKN: R reports trouble waking up during night

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK						85	80	71		111
.J=Web interview, missing										
.M=Oth missing								2		
.P=Answered prev wv									17074	
.R=RF						2	8	5		10
1.Most of the time						4327	5253	4783	28	5335
2.Sometimes						6739	6793	6257	47	7955
3.Rarely or never						7012	7995	7351	68	8623

Value	w11	w12	w13	w14	w15	w16
.D=DK	5	127	113	60	106	88
.J=Web interview, missing				6	11	7
.M=Oth missing	1		1			2
.P=Answered prev wv	20035					
.R=RF		3	13	11	10	11
1.Most of the time	113	4608	4816	3843	3411	3693
2.Sometimes	173	6870	7860	6768	6266	6243
3.Rarely or never	227	7139	8109	6458	5919	5743

SwSLEEPWKN: S reports trouble waking up during night

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK						24	23	21		35
.J=Web interview, missing										
.M=Oth missing								1		
.P=Answered prev wv									10507	
.R=RF							5	3		4
.U=Unmarried						6306	6777	6417	6206	7797
.V=Spouse NR						220	380	317	365	724
1.Most of the time						2687	3271	2884	28	3095
2.Sometimes						4326	4386	4020	46	4931
3.Rarely or never						4602	5287	4806	65	5448

Value	w11	w12	w13	w14	w15	w16
.D=DK	4	50	44	26	38	33
.J=Web interview, missing				4	11	4
.M=Oth missing						2
.P=Answered prev wv	12034					
.R=RF		1	4	5	3	6
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Most of the time	99	2537	2470	1874	1644	1687
2.Sometimes	154	4048	4511	3822	3475	3179
3.Rarely or never	193	4376	4750	3627	3306	2929

RwSLEEPWKE: R reports trouble waking up too early

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK						87	88	90		88
.J=Web interview, missing										
.M=Oth missing								2		
.P=Answered prev wv									17074	
.R=RF						1	6	3		5
1.Most of the time						2178	2692	2535	18	3053
2.Sometimes						5312	5872	5349	43	7313
3.Rarely or never						10587	11471	10490	82	11575

Value	w11	w12	w13	w14	w15	w16
.D=DK	3	75	67	35	60	55
.J=Web interview, missing				5	10	7
.M=Oth missing	1		1			1
.P=Answered prev wv	20035					
.R=RF		6	7	8	7	5
1.Most of the time	68	2598	3094	2360	2038	2261
2.Sometimes	170	6399	6867	5968	5663	5501
3.Rarely or never	277	9669	10876	8770	7945	7957

SwSLEEPWKE: S reports trouble waking up too early

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK						18	26	25		29
.J=Web interview, missing										
.M=Oth missing								1		
.P=Answered prev wv									10507	
.R=RF							4	1		1
.U=Unmarried						6306	6777	6417	6206	7797
.V=Spouse NR						220	380	317	365	724
1.Most of the time						1243	1564	1484	17	1632
2.Sometimes						3367	3759	3355	43	4408
3.Rarely or never						7011	7619	6869	79	7443

Value	w11	w12	w13	w14	w15	w16
.D=DK	1	29	24	11	19	18
.J=Web interview, missing				4	7	4
.M=Oth missing						1
.P=Answered prev wv	12034					
.R=RF		3	1	1	3	3
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Most of the time	57	1349	1515	1129	938	952
2.Sometimes	145	3697	3847	3231	3041	2779
3.Rarely or never	247	5934	6392	4982	4469	4083

RwSLEEPRT: R reports feeling rested in AM

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK						136	127	127	69	95
.J=Web interview, missing										
.M=Oth missing								2		
.R=RF						1	6	2	1	4
1.Most of the time						11095	11850	10955	9752	11714
2.Sometimes						4473	5156	4482	5167	6723
3.Rarely or never						2460	2990	2901	2228	3498

Value	w11	w12	w13	w14	w15	w16
.D=DK	124	74	76	45	62	64
.J=Web interview, missing				6	7	7
.M=Oth missing	1		1			4
.R=RF	5	2	5	6	8	3
1.Most of the time	10898	9698	10317	8483	7991	7719
2.Sometimes	6669	6044	6772	5766	5198	5298
3.Rarely or never	2857	2929	3741	2840	2457	2692

SwSLEEPRT: S reports feeling rested in AM

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK						40	45	42	20	27
.J=Web interview, missing										
.M=Oth missing								1		
.R=RF							4	1	1	2
.U=Unmarried						6306	6777	6417	6206	7797
.V=Spouse NR						220	380	317	365	724
1.Most of the time						7285	7785	7092	6157	7364
2.Sometimes						2784	3256	2818	3161	4090
3.Rarely or never						1530	1882	1781	1307	2030

Value	w11	w12	w13	w14	w15	w16
.D=DK	58	24	25	12	19	24
.J=Web interview, missing				5	3	5
.M=Oth missing	1					
.R=RF	1	2		1	5	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Most of the time	6706	5817	6010	4729	4428	3965
2.Sometimes	4077	3519	3772	3165	2767	2584
3.Rarely or never	1641	1650	1972	1446	1255	1260

How Constructed

RwSLEEPFAL, RwSLEEPWKN, RwSLEEPWKE and RwSLEEPRT indicate whether the Respondent had trouble falling asleep, waking up during the night, waking up too early, or feeling rested in the morning. These questions are first asked in Wave 6. These are frequency indicators (most of the time/sometimes/rarely or never) of the Respondent's sleep habits as it pertains to challenges with sleep and feeling rested.

SwSLEEPFAL, SwSLEEPWKN, SwSLEEPWKE and SwSLEEPRT contain this information for the Respondent's spouse or partner.

Cross Wave Differences in Original HRS Data

These questions are not asked in Waves 1-5. In Wave 9 and Wave 11, questions about trouble falling asleep (RwSLEEPFAL), waking up during the night (RwSLEEPWKN) and waking up too early (RwSLEEPWKE) are skipped for re-interviewees and RwSLEEPFAL, RwSLEEPWKN and RwSLEEPWKE are set to ".P, asked in a previous wave."

HRS Variables Used

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HRS 2002-2022:
    xC083           TROUBLE FALLING ASLEEP
    xC084           TROUBLE WAKING UP DURING NIGHT
    xC085           TROUBLE WAKING UP TOO EARLY
    xC086           FEEL RESTED IN MORNING
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Sleep: Disorders and treatment

Wave	Variable	Label	Type
13	R13SLEEPSN	R13SLEEPSN:W13 R reports snoring while sleeping	Categ
14	R14SLEEPSN	R14SLEEPSN:W14 R reports snoring while sleeping	Categ
15	R15SLEEPSN	R15SLEEPSN:W15 R reports snoring while sleeping	Categ
16	R16SLEEPSN	R16SLEEPSN:W16 R reports snoring while sleeping	Categ
13	S13SLEEPSN	S13SLEEPSN:W13 S reports snoring while sleeping	Categ
14	S14SLEEPSN	S14SLEEPSN:W14 S reports snoring while sleeping	Categ
15	S15SLEEPSN	S15SLEEPSN:W15 S reports snoring while sleeping	Categ
16	S16SLEEPSN	S16SLEEPSN:W16 S reports snoring while sleeping	Categ
13	R13SLEEPBR	R13SLEEPBR:W13 R reports snort gasp or stop breathing in past year	Categ
14	R14SLEEPBR	R14SLEEPBR:W14 R reports snort gasp or stop breathing in past year	Categ
15	R15SLEEPBR	R15SLEEPBR:W15 R reports snort gasp or stop breathing in past year	Categ
16	R16SLEEPBR	R16SLEEPBR:W16 R reports snort gasp or stop breathing in past year	Categ
13	S13SLEEPBR	S13SLEEPBR:W13 S reports snort gasp or stop breathing in past year	Categ
14	S14SLEEPBR	S14SLEEPBR:W14 S reports snort gasp or stop breathing in past year	Categ
15	S15SLEEPBR	S15SLEEPBR:W15 S reports snort gasp or stop breathing in past year	Categ
16	S16SLEEPBR	S16SLEEPBR:W16 S reports snort gasp or stop breathing in past year	Categ
13	R13SLEEPT	R13SLEEPT:W13 R reports tx for sleeping problems	Categ
14	R14SLEEPT	R14SLEEPT:W14 R reports tx for sleeping problems	Categ
15	R15SLEEPT	R15SLEEPT:W15 R reports tx for sleeping problems	Categ
16	R16SLEEPT	R16SLEEPT:W16 R reports tx for sleeping problems	Categ
13	S13SLEEPT	S13SLEEPT:W13 S reports tx for sleeping problems	Categ
14	S14SLEEPT	S14SLEEPT:W14 S reports tx for sleeping problems	Categ
15	S15SLEEPT	S15SLEEPT:W15 S reports tx for sleeping problems	Categ
16	S16SLEEPT	S16SLEEPT:W16 S reports tx for sleeping problems	Categ
13	R13STXOXY	R13STXOXY:W13 R reports oxygen tx for sleeping problems	Categ
14	R14STXOXY	R14STXOXY:W14 R reports oxygen tx for sleeping problems	Categ
15	R15STXOXY	R15STXOXY:W15 R reports oxygen tx for sleeping problems	Categ
16	R16STXOXY	R16STXOXY:W16 R reports oxygen tx for sleeping problems	Categ
13	S13STXOXY	S13STXOXY:W13 S reports oxygen tx for sleeping problems	Categ
14	S14STXOXY	S14STXOXY:W14 S reports oxygen tx for sleeping problems	Categ
15	S15STXOXY	S15STXOXY:W15 S reports oxygen tx for sleeping problems	Categ
16	S16STXOXY	S16STXOXY:W16 S reports oxygen tx for sleeping problems	Categ
13	R13STXPRE	R13STXPRE:W13 R reports CPAP/BIPAP tx for sleeping problems	Categ
14	R14STXPRE	R14STXPRE:W14 R reports CPAP/BIPAP tx for sleeping problems	Categ
15	R15STXPRE	R15STXPRE:W15 R reports CPAP/BIPAP tx for sleeping problems	Categ
16	R16STXPRE	R16STXPRE:W16 R reports CPAP/BIPAP tx for sleeping problems	Categ
13	S13STXPRE	S13STXPRE:W13 S reports CPAP/BIPAP tx for sleeping problems	Categ
14	S14STXPRE	S14STXPRE:W14 S reports CPAP/BIPAP tx for sleeping problems	Categ
15	S15STXPRE	S15STXPRE:W15 S reports CPAP/BIPAP tx for sleeping problems	Categ
16	S16STXPRE	S16STXPRE:W16 S reports CPAP/BIPAP tx for sleeping problems	Categ
13	R13STXSRG	R13STXSRG:W13 R reports surgery tx for sleeping problems	Categ
14	R14STXSRG	R14STXSRG:W14 R reports surgery tx for sleeping problems	Categ
15	R15STXSRG	R15STXSRG:W15 R reports surgery tx for sleeping problems	Categ
16	R16STXSRG	R16STXSRG:W16 R reports surgery tx for sleeping problems	Categ
13	S13STXSRG	S13STXSRG:W13 S reports surgery tx for sleeping problems	Categ
14	S14STXSRG	S14STXSRG:W14 S reports surgery tx for sleeping problems	Categ
15	S15STXSRG	S15STXSRG:W15 S reports surgery tx for sleeping problems	Categ
16	S16STXSRG	S16STXSRG:W16 S reports surgery tx for sleeping problems	Categ
13	R13STXJAW	R13STXJAW:W13 R reports jaw device tx for sleeping problems	Categ
14	R14STXJAW	R14STXJAW:W14 R reports jaw device tx for sleeping problems	Categ
15	R15STXJAW	R15STXJAW:W15 R reports jaw device tx for sleeping problems	Categ
16	R16STXJAW	R16STXJAW:W16 R reports jaw device tx for sleeping problems	Categ
13	S13STXJAW	S13STXJAW:W13 S reports jaw device tx for sleeping problems	Categ

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14    S14STXJAW           S14STXJAW:W14 S reports jaw device tx for sleeping problems         Categ
15    S15STXJAW           S15STXJAW:W15 S reports jaw device tx for sleeping problems         Categ
16    S16STXJAW           S16STXJAW:W16 S reports jaw device tx for sleeping problems         Categ

13    R13STXNERVE         R13STXNERVE:W13 R reports nerve stimulation tx for sleeping probs   Categ
14    R14STXNERVE         R14STXNERVE:W14 R reports nerve stimulation tx for sleeping probs   Categ
15    R15STXNERVE         R15STXNERVE:W15 R reports nerve stimulation tx for sleeping probs   Categ
16    R16STXNERVE         R16STXNERVE:W16 R reports nerve stimulation tx for sleeping probs   Categ

13    S13STXNERVE         S13STXNERVE:W13 S reports nerve stimulation tx for sleeping probs   Categ
14    S14STXNERVE         S14STXNERVE:W14 S reports nerve stimulation tx for sleeping probs   Categ
15    S15STXNERVE         S15STXNERVE:W15 S reports nerve stimulation tx for sleeping probs   Categ
16    S16STXNERVE         S16STXNERVE:W16 S reports nerve stimulation tx for sleeping probs   Categ

13    R13STXSTRIP         R13STXSTRIP:W13 R reports adhesive strips tx for sleeping probs     Categ
14    R14STXSTRIP         R14STXSTRIP:W14 R reports adhesive strips tx for sleeping probs     Categ
15    R15STXSTRIP         R15STXSTRIP:W15 R reports adhesive strips tx for sleeping probs     Categ
16    R16STXSTRIP         R16STXSTRIP:W16 R reports adhesive strips tx for sleeping probs     Categ

13    S13STXSTRIP         S13STXSTRIP:W13 S reports adhesive strips tx for sleeping probs     Categ
14    S14STXSTRIP         S14STXSTRIP:W14 S reports adhesive strips tx for sleeping probs     Categ
15    S15STXSTRIP         S15STXSTRIP:W15 S reports adhesive strips tx for sleeping probs     Categ
16    S16STXSTRIP         S16STXSTRIP:W16 S reports adhesive strips tx for sleeping probs     Categ

13    R13STXOTH           R13STXOTH:W13 R reports other tx for sleeping problems             Categ
14    R14STXOTH           R14STXOTH:W14 R reports other tx for sleeping problems             Categ
15    R15STXOTH           R15STXOTH:W15 R reports other tx for sleeping problems             Categ
16    R16STXOTH           R16STXOTH:W16 R reports other tx for sleeping problems             Categ

13    S13STXOTH           S13STXOTH:W13 S reports other tx for sleeping problems             Categ
14    S14STXOTH           S14STXOTH:W14 S reports other tx for sleeping problems             Categ
15    S15STXOTH           S15STXOTH:W15 S reports other tx for sleeping problems             Categ
16    S16STXOTH           S16STXOTH:W16 S reports other tx for sleeping problems             Categ

13    R13STXMED           R13STXMED:W13 R reports meds for sleeping problems                 Categ
14    R14STXMED           R14STXMED:W14 R reports meds for sleeping problems                 Categ
15    R15STXMED           R15STXMED:W15 R reports meds for sleeping problems                 Categ
16    R16STXMED           R16STXMED:W16 R reports meds for sleeping problems                 Categ

13    S13STXMED           S13STXMED:W13 S reports meds for sleeping problems                 Categ
14    S14STXMED           S14STXMED:W14 S reports meds for sleeping problems                 Categ
15    S15STXMED           S15STXMED:W15 S reports meds for sleeping problems                 Categ
16    S16STXMED           S16STXMED:W16 S reports meds for sleeping problems                 Categ

13    R13SDAPNEA          R13SDAPNEA:W13 R reports sleep apnea as dx sleep disorder          Categ
14    R14SDAPNEA          R14SDAPNEA:W14 R reports sleep apnea as dx sleep disorder          Categ
15    R15SDAPNEA          R15SDAPNEA:W15 R reports sleep apnea as dx sleep disorder          Categ
16    R16SDAPNEA          R16SDAPNEA:W16 R reports sleep apnea as dx sleep disorder          Categ

13    S13SDAPNEA          S13SDAPNEA:W13 S reports sleep apnea as dx sleep disorder          Categ
14    S14SDAPNEA          S14SDAPNEA:W14 S reports sleep apnea as dx sleep disorder          Categ
15    S15SDAPNEA          S15SDAPNEA:W15 S reports sleep apnea as dx sleep disorder          Categ
16    S16SDAPNEA          S16SDAPNEA:W16 S reports sleep apnea as dx sleep disorder          Categ

14    R14SDNRCLPS         R14SDNRCLPS:W14 R reports narcolepsy as dx sleep disorder          Categ
15    R15SDNRCLPS         R15SDNRCLPS:W15 R reports narcolepsy as dx sleep disorder          Categ
16    R16SDNRCLPS         R16SDNRCLPS:W16 R reports narcolepsy as dx sleep disorder          Categ

14    S14SDNRCLPS         S14SDNRCLPS:W14 S reports narcolepsy as dx sleep disorder          Categ
15    S15SDNRCLPS         S15SDNRCLPS:W15 S reports narcolepsy as dx sleep disorder          Categ
16    S16SDNRCLPS         S16SDNRCLPS:W16 S reports narcolepsy as dx sleep disorder          Categ

13    R13SDINSOM          R13SDINSOM:W13 R reports insomnia as dx sleep disorder             Categ
14    R14SDINSOM          R14SDINSOM:W14 R reports insomnia as dx sleep disorder             Categ
15    R15SDINSOM          R15SDINSOM:W15 R reports insomnia as dx sleep disorder             Categ
16    R16SDINSOM          R16SDINSOM:W16 R reports insomnia as dx sleep disorder             Categ

13    S13SDINSOM          S13SDINSOM:W13 S reports insomnia as dx sleep disorder             Categ
14    S14SDINSOM          S14SDINSOM:W14 S reports insomnia as dx sleep disorder             Categ
15    S15SDINSOM          S15SDINSOM:W15 S reports insomnia as dx sleep disorder             Categ
16    S16SDINSOM          S16SDINSOM:W16 S reports insomnia as dx sleep disorder             Categ
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13    R13SDRSTLG          R13SDRSTLG:W13 R reports restless leg syndrome as dx sleep disorder Categ
14    R14SDRSTLG          R14SDRSTLG:W14 R reports restless leg syndrome as dx sleep disorder Categ
15    R15SDRSTLG          R15SDRSTLG:W15 R reports restless leg syndrome as dx sleep disorder Categ
16    R16SDRSTLG          R16SDRSTLG:W16 R reports restless leg syndrome as dx sleep disorder Categ

13    S13SDRSTLG          S13SDRSTLG:W13 S reports restless leg syndrome as dx sleep disorder Categ
14    S14SDRSTLG          S14SDRSTLG:W14 S reports restless leg syndrome as dx sleep disorder Categ
15    S15SDRSTLG          S15SDRSTLG:W15 S reports restless leg syndrome as dx sleep disorder Categ
16    S16SDRSTLG          S16SDRSTLG:W16 S reports restless leg syndrome as dx sleep disorder Categ

13    R13SDOTH            R13SDOTH:W13 R reports other dx sleep disorder                    Categ
14    R14SDOTH            R14SDOTH:W14 R reports other dx sleep disorder                    Categ
15    R15SDOTH            R15SDOTH:W15 R reports other dx sleep disorder                    Categ
16    R16SDOTH            R16SDOTH:W16 R reports other dx sleep disorder                    Categ

13    S13SDOTH            S13SDOTH:W13 S reports other dx sleep disorder                    Categ
14    S14SDOTH            S14SDOTH:W14 S reports other dx sleep disorder                    Categ
15    S15SDOTH            S15SDOTH:W15 S reports other dx sleep disorder                    Categ
16    S16SDOTH            S16SDOTH:W16 S reports other dx sleep disorder                    Categ
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Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R13SLEEPSN	19907	1.66	1.08	0.0	3.0
R14SLEEPSN	16457	1.60	1.07	0.0	3.0
R15SLEEPSN	14924	1.59	1.06	0.0	3.0
R16SLEEPSN	14951	1.60	1.07	0.0	3.0
S13SLEEPSN	11527	1.76	1.03	0.0	3.0
S14SLEEPSN	9207	1.70	1.03	0.0	3.0
S15SLEEPSN	8275	1.68	1.02	0.0	3.0
S16SLEEPSN	7663	1.67	1.03	0.0	3.0
R13SLEEPBR	12076	0.69	0.99	0.0	3.0
R14SLEEPBR	9504	0.70	0.97	0.0	3.0
R15SLEEPBR	8528	0.72	0.97	0.0	3.0
R16SLEEPBR	8491	0.76	1.00	0.0	3.0
S13SLEEPBR	7262	0.69	0.98	0.0	3.0
S14SLEEPBR	5484	0.71	0.97	0.0	3.0
S15SLEEPBR	4884	0.72	0.96	0.0	3.0
S16SLEEPBR	4443	0.78	1.00	0.0	3.0
R13SLEEPT	12861	0.13	0.34	0.0	1.0
R14SLEEPT	10229	0.15	0.36	0.0	1.0
R15SLEEPT	9230	0.14	0.35	0.0	1.0
R16SLEEPT	9339	0.16	0.37	0.0	1.0
S13SLEEPT	7871	0.13	0.34	0.0	1.0
S14SLEEPT	6038	0.14	0.35	0.0	1.0
S15SLEEPT	5395	0.14	0.34	0.0	1.0
S16SLEEPT	5000	0.15	0.36	0.0	1.0
R13STXOXY	1721	0.08	0.28	0.0	1.0
R14STXOXY	1509	0.06	0.24	0.0	1.0
R15STXOXY	1314	0.06	0.24	0.0	1.0
R16STXOXY	1474	0.06	0.24	0.0	1.0
S13STXOXY	1019	0.07	0.25	0.0	1.0

S14STXOXY	868	0.06	0.23	0.0	1.0
S15STXOXY	742	0.05	0.21	0.0	1.0
S16STXOXY	755	0.05	0.21	0.0	1.0
R13STXPRE	1721	0.68	0.47	0.0	1.0
R14STXPRE	1509	0.69	0.46	0.0	1.0
R15STXPRE	1314	0.72	0.45	0.0	1.0
R16STXPRE	1474	0.66	0.47	0.0	1.0
S13STXPRE	1019	0.73	0.44	0.0	1.0
S14STXPRE	868	0.74	0.44	0.0	1.0
S15STXPRE	742	0.78	0.42	0.0	1.0
S16STXPRE	755	0.71	0.45	0.0	1.0
R13STXSRG	1721	0.01	0.10	0.0	1.0
R14STXSRG	1509	0.01	0.11	0.0	1.0
R15STXSRG	1314	0.02	0.13	0.0	1.0
R16STXSRG	1474	0.01	0.08	0.0	1.0
S13STXSRG	1019	0.01	0.10	0.0	1.0
S14STXSRG	868	0.01	0.12	0.0	1.0
S15STXSRG	742	0.01	0.11	0.0	1.0
S16STXSRG	755	0.01	0.10	0.0	1.0
R13STXJAW	1721	0.03	0.17	0.0	1.0
R14STXJAW	1509	0.03	0.17	0.0	1.0
R15STXJAW	1314	0.03	0.18	0.0	1.0
R16STXJAW	1474	0.04	0.19	0.0	1.0
S13STXJAW	1019	0.03	0.17	0.0	1.0
S14STXJAW	868	0.04	0.19	0.0	1.0
S15STXJAW	742	0.04	0.19	0.0	1.0
S16STXJAW	755	0.04	0.19	0.0	1.0
R13STXNERVE	1721	0.00	0.03	0.0	1.0
R14STXNERVE	1509	0.00	0.03	0.0	1.0
R15STXNERVE	1314	0.00	0.05	0.0	1.0
R16STXNERVE	1474	0.00	0.05	0.0	1.0
S13STXNERVE	1019	0.00	0.00	0.0	0.0
S14STXNERVE	868	0.00	0.03	0.0	1.0
S15STXNERVE	742	0.00	0.05	0.0	1.0
S16STXNERVE	755	0.00	0.06	0.0	1.0
R13STXSTRIP	1721	0.02	0.13	0.0	1.0
R14STXSTRIP	1509	0.01	0.11	0.0	1.0
R15STXSTRIP	1314	0.01	0.11	0.0	1.0
R16STXSTRIP	1474	0.01	0.09	0.0	1.0
S13STXSTRIP	1019	0.02	0.14	0.0	1.0
S14STXSTRIP	868	0.01	0.12	0.0	1.0
S15STXSTRIP	742	0.01	0.12	0.0	1.0
S16STXSTRIP	755	0.01	0.07	0.0	1.0
R13STXOTH	1721	0.07	0.26	0.0	1.0
R14STXOTH	1509	0.06	0.23	0.0	1.0
R15STXOTH	1314	0.04	0.19	0.0	1.0
R16STXOTH	1474	0.04	0.19	0.0	1.0

S13STXOTH	1019	0.07	0.26	0.0	1.0
S14STXOTH	868	0.05	0.22	0.0	1.0
S15STXOTH	742	0.03	0.17	0.0	1.0
S16STXOTH	755	0.04	0.20	0.0	1.0
R13STXMED	1721	0.23	0.42	0.0	1.0
R14STXMED	1509	0.25	0.43	0.0	1.0
R15STXMED	1314	0.27	0.45	0.0	1.0
R16STXMED	1474	0.32	0.47	0.0	1.0
S13STXMED	1019	0.19	0.39	0.0	1.0
S14STXMED	868	0.20	0.40	0.0	1.0
S15STXMED	742	0.22	0.41	0.0	1.0
S16STXMED	755	0.26	0.44	0.0	1.0
R13SDAPNEA	20705	0.12	0.32	0.0	1.0
R14SDAPNEA	16987	0.11	0.32	0.0	1.0
R15SDAPNEA	15552	0.13	0.33	0.0	1.0
R16SDAPNEA	15602	0.14	0.35	0.0	1.0
S13SDAPNEA	11671	0.12	0.33	0.0	1.0
S14SDAPNEA	9291	0.12	0.33	0.0	1.0
S15SDAPNEA	8401	0.14	0.35	0.0	1.0
S16SDAPNEA	7766	0.15	0.35	0.0	1.0
R14SDNRCLPS	16987	0.00	0.03	0.0	1.0
R15SDNRCLPS	15552	0.00	0.04	0.0	1.0
R16SDNRCLPS	15602	0.00	0.05	0.0	1.0
S14SDNRCLPS	9291	0.00	0.03	0.0	1.0
S15SDNRCLPS	8401	0.00	0.03	0.0	1.0
S16SDNRCLPS	7766	0.00	0.03	0.0	1.0
R13SDINSOM	20705	0.02	0.13	0.0	1.0
R14SDINSOM	16987	0.03	0.16	0.0	1.0
R15SDINSOM	15552	0.03	0.18	0.0	1.0
R16SDINSOM	15602	0.04	0.19	0.0	1.0
S13SDINSOM	11671	0.01	0.11	0.0	1.0
S14SDINSOM	9291	0.02	0.15	0.0	1.0
S15SDINSOM	8401	0.03	0.16	0.0	1.0
S16SDINSOM	7766	0.03	0.17	0.0	1.0
R13SDRSTLG	20705	0.00	0.04	0.0	1.0
R14SDRSTLG	16987	0.00	0.05	0.0	1.0
R15SDRSTLG	15552	0.01	0.09	0.0	1.0
R16SDRSTLG	15602	0.01	0.09	0.0	1.0
S13SDRSTLG	11671	0.00	0.04	0.0	1.0
S14SDRSTLG	9291	0.00	0.05	0.0	1.0
S15SDRSTLG	8401	0.01	0.08	0.0	1.0
S16SDRSTLG	7766	0.01	0.08	0.0	1.0
R13SDOTH	20705	0.01	0.10	0.0	1.0
R14SDOTH	16987	0.01	0.09	0.0	1.0
R15SDOTH	15552	0.01	0.09	0.0	1.0
R16SDOTH	15602	0.01	0.10	0.0	1.0
S13SDOTH	11671	0.01	0.10	0.0	1.0

S14SDOTH	9291	0.01	0.08	0.0	1.0
S15SDOTH	8401	0.01	0.08	0.0	1.0
S16SDOTH	7766	0.01	0.09	0.0	1.0

Categorical Variable Codes

RwSLEEPSN: R reports snoring while sleeping

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
0.Never										
1.Rarely: 1-2 nts/wk										
2.Occasionally: 3-4 nts/wk										
3.Frequently: 5+ nts/wk)										

Value	w11	w12	w13	w14	w15	w16
.D=DK			993	645	744	782
.J=Web interview, missing				26	31	18
.M=Oth missing			1		1	28
.R=RF			11	18	23	8
0.Never			3936	3328	2959	3046
1.Rarely: 1-2 nts/wk			4326	3973	3760	3709
2.Occasionally: 3-4 nts/wk			6222	5064	4662	4439
3.Frequently: 5+ nts/wk)			5423	4092	3543	3757

SwSLEEPSN: S reports snoring while sleeping

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.U=Unmarried										
.V=Spouse NR										
0.Never										
1.Rarely: 1-2 nts/wk										
2.Occasionally: 3-4 nts/wk										
3.Frequently: 5+ nts/wk)										

Value	w11	w12	w13	w14	w15	w16
.D=DK			249	140	183	155
.J=Web interview, missing				6	9	9
.M=Oth missing						8
.R=RF			3	5	10	5
.U=Unmarried			8024	6678	6193	6541
.V=Spouse NR			1109	1110	1053	1406
0.Never			1758	1470	1299	1249
1.Rarely: 1-2 nts/wk			2565	2287	2153	1975
2.Occasionally: 3-4 nts/wk			3879	2988	2749	2458
3.Frequently: 5+ nts/wk)			3325	2462	2074	1981

RwSLEEPBR: R reports snort gasp or stop breathing in past year

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip										
0.Never										
1.Rarely: 1-2 nts/wk										
2.Occasionally: 3-4 nts/wk										
3.Frequently: 5+ nts/wk)										

Value	w11	w12	w13	w14	w15	w16
.D=DK			564	313	439	506
.J=Web interview, missing				18	24	13
.M=Oth missing			1		1	13
.R=RF			9	11	12	9
.S=Skip			8262	7300	6719	6755
0.Never			7378	5622	4928	4849
1.Rarely: 1-2 nts/wk			2077	1811	1714	1600
2.Occasionally: 3-4 nts/wk			1637	1386	1246	1312
3.Frequently: 5+ nts/wk)			984	685	640	730

SwSLEEPBR: S reports snort gasp or stop breathing in past year

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip										
.U=Unmarried										
.V=Spouse NR										
0.Never										
1.Rarely: 1-2 nts/wk										
2.Occasionally: 3-4 nts/wk										
3.Frequently: 5+ nts/wk)										

Value	w11	w12	w13	w14	w15	w16
.D=DK			190	106	124	155
.J=Web interview, missing				10	11	8
.M=Oth missing						5
.R=RF			4	2	6	5
.S=Skip			4323	3756	3452	3224
.U=Unmarried			8024	6678	6193	6541
.V=Spouse NR			1109	1110	1053	1406
0.Never			4405	3197	2770	2453
1.Rarely: 1-2 nts/wk			1286	1066	1039	894
2.Occasionally: 3-4 nts/wk			999	829	733	734
3.Frequently: 5+ nts/wk)			572	392	342	362

RwSLEEPT: R reports tx for sleeping problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip,question not asked										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			20	2	18	10
.J=Web interview, missing				3	6	1
.M=Oth missing			2	4	1	22
.R=RF			2			
.S=Skip,question not asked			8027	6908	6468	6415
0.No			11137	8713	7914	7856
1.Yes			1724	1516	1316	1483

SwSLEEPT: S reports tx for sleeping problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip,question not asked										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			11	1	7	5
.J=Web interview, missing				1	3	
.M=Oth missing				3	1	4
.R=RF			2			
.S=Skip,question not asked			3895	3315	3071	2831
.U=Unmarried			8024	6678	6193	6541
.V=Spouse NR			1109	1110	1053	1406
0.No			6850	5168	4653	4240
1.Yes			1021	870	742	760

RwSTXOXY: R reports oxygen tx for sleeping problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip,question not asked										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			3	3	2	11
.J=Web interview, missing				4		
.M=Oth missing			2	4	1	22
.R=RF				2		
.S=Skip,question not asked			19186	15624	14406	14280
0.No			1579	1413	1231	1385
1.Yes			142	96	83	89

SwSTXOXY: S reports oxygen tx for sleeping problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.S=Skip,question not asked										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			2	1		7
.J=Web interview, missing				1		
.M=Oth missing				3	1	4
.S=Skip,question not asked			10758	8485	7734	7074
.U=Unmarried			8024	6678	6193	6541
.V=Spouse NR			1109	1110	1053	1406
0.No			951	818	708	719
1.Yes			68	50	34	36

RwSTXPRE: R reports CPAP/BIPAP tx for sleeping problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip,question not asked										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			3	3	2	11
.J=Web interview, missing				4		
.M=Oth missing			2	4	1	22
.R=RF				2		
.S=Skip,question not asked			19186	15624	14406	14280
0.No			544	472	366	497
1.Yes			1177	1037	948	977

SwSTXPRE: S reports CPAP/BIPAP tx for sleeping problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.S=Skip,question not asked										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			2	1		7
.J=Web interview, missing				1		
.M=Oth missing				3	1	4
.S=Skip,question not asked			10758	8485	7734	7074
.U=Unmarried			8024	6678	6193	6541
.V=Spouse NR			1109	1110	1053	1406
0.No			273	228	166	219
1.Yes			746	640	576	536

RwSTXSRG: R reports surgery tx for sleeping problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip,question not asked										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			3	3	2	11
.J=Web interview, missing				4		
.M=Oth missing			2	4	1	22
.R=RF				2		
.S=Skip,question not asked			19186	15624	14406	14280
0.No			1702	1490	1293	1464
1.Yes			19	19	21	10

SwSTXSRG: S reports surgery tx for sleeping problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.S=Skip,question not asked										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			2	1		7
.J=Web interview, missing				1		
.M=Oth missing				3	1	4
.S=Skip,question not asked			10758	8485	7734	7074
.U=Unmarried			8024	6678	6193	6541
.V=Spouse NR			1109	1110	1053	1406
0.No			1009	856	733	748
1.Yes			10	12	9	7

RwSTXJAW: R reports jaw device tx for sleeping problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip,question not asked										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			3	3	2	11
.J=Web interview, missing				4		
.M=Oth missing			2	4	1	22
.R=RF				2		
.S=Skip,question not asked			19186	15624	14406	14280
0.No			1667	1465	1271	1418
1.Yes			54	44	43	56

SwSTXJAW: S reports jaw device tx for sleeping problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.S=Skip,question not asked										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			2	1		7
.J=Web interview, missing				1		
.M=Oth missing				3	1	4
.S=Skip,question not asked			10758	8485	7734	7074
.U=Unmarried			8024	6678	6193	6541
.V=Spouse NR			1109	1110	1053	1406
0.No			987	837	715	727
1.Yes			32	31	27	28

RwSTXNERVE: R reports nerve stimulation tx for sleeping probs

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip,question not asked										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			3	3	2	11
.J=Web interview, missing				4		
.M=Oth missing			2	4	1	22
.R=RF				2		
.S=Skip,question not asked			19186	15624	14406	14280
0.No			1719	1508	1311	1470
1.Yes			2	1	3	4

SwSTXNERVE: S reports nerve stimulation tx for sleeping probs

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.S=Skip,question not asked										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			2	1		7
.J=Web interview, missing				1		
.M=Oth missing				3	1	4
.S=Skip,question not asked			10758	8485	7734	7074
.U=Unmarried			8024	6678	6193	6541
.V=Spouse NR			1109	1110	1053	1406
0.No			1019	867	740	752
1.Yes				1	2	3

RwSTXSTRIP: R reports adhesive strips tx for sleeping probs

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip,question not asked										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			3	3	2	11
.J=Web interview, missing				4		
.M=Oth missing			2	4	1	22
.R=RF				2		
.S=Skip,question not asked			19186	15624	14406	14280
0.No			1692	1491	1299	1462
1.Yes			29	18	15	12

SwSTXSTRIP: S reports adhesive strips tx for sleeping probs

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.S=Skip,question not asked										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			2	1		7
.J=Web interview, missing				1		
.M=Oth missing				3	1	4
.S=Skip,question not asked			10758	8485	7734	7074
.U=Unmarried			8024	6678	6193	6541
.V=Spouse NR			1109	1110	1053	1406
0.No			1000	856	731	751
1.Yes			19	12	11	4

RwSTXOTH: R reports other tx for sleeping problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip,question not asked										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			3	3	2	11
.J=Web interview, missing				4		
.M=Oth missing			2	4	1	22
.R=RF				2		
.S=Skip,question not asked			19186	15624	14406	14280
0.No			1594	1425	1265	1420
1.Yes			127	84	49	54

SwSTXOTH: S reports other tx for sleeping problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.S=Skip,question not asked										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			2	1		7
.J=Web interview, missing				1		
.M=Oth missing				3	1	4
.S=Skip,question not asked			10758	8485	7734	7074
.U=Unmarried			8024	6678	6193	6541
.V=Spouse NR			1109	1110	1053	1406
0.No			947	825	720	722
1.Yes			72	43	22	33

RwSTXMED: R reports meds for sleeping problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip,question not asked										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			3	3	2	11
.J=Web interview, missing				4		
.M=Oth missing			2	4	1	22
.R=RF				2		
.S=Skip,question not asked			19186	15624	14406	14280
0.No			1326	1139	955	996
1.Yes			395	370	359	478

SwSTXMED: S reports meds for sleeping problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.S=Skip,question not asked										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			2	1		7
.J=Web interview, missing				1		
.M=Oth missing				3	1	4
.S=Skip,question not asked			10758	8485	7734	7074
.U=Unmarried			8024	6678	6193	6541
.V=Spouse NR			1109	1110	1053	1406
0.No			830	694	581	555
1.Yes			189	174	161	200

RwSDAPNEA: R reports sleep apnea as dx sleep disorder

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip,question not asked										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			172	92	110	134
.J=Web interview, missing				1		
.M=Oth missing			2	6	1	
.R=RF			3	4	2	
.S=Skip,question not asked			30	56	58	51
0.No			18270	15042	13558	13406
1.Yes			2435	1945	1994	2196

SwSDAPNEA: S reports sleep apnea as dx sleep disorder

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip,question not asked										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			93	37	56	55
.J=Web interview, missing				1		
.M=Oth missing				3		
.R=RF			2	2	1	
.S=Skip,question not asked			13	24	19	19
.U=Unmarried			8024	6678	6193	6541
.V=Spouse NR			1109	1110	1053	1406
0.No			10222	8135	7233	6619
1.Yes			1449	1156	1168	1147

RwSDNRCLPS: R reports narcolepsy as dx sleep disorder

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip,question not asked										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA				92	110	134
.J=Web interview, missing				1		
.M=Oth missing				6	1	
.R=RF				4	2	
.S=Skip,question not asked				56	58	51
0.No				16968	15529	15566
1.Yes				19	23	36

SwSDNRCLPS: S reports narcolepsy as dx sleep disorder

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip,question not asked										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA				37	56	55
.J=Web interview, missing				1		
.M=Oth missing				3		
.R=RF				2	1	
.S=Skip,question not asked				24	19	19
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
0.No				9284	8393	7759
1.Yes				7	8	7

RwSDINSOM: R reports insomnia as dx sleep disorder

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip,question not asked										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			172	92	110	134
.J=Web interview, missing				1		
.M=Oth missing			2	6	1	
.R=RF			3	4	2	
.S=Skip,question not asked			30	56	58	51
0.No			20351	16513	15045	15044
1.Yes			354	474	507	558

SwSDINSOM: S reports insomnia as dx sleep disorder

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip,question not asked										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			93	37	56	55
.J=Web interview, missing				1		
.M=Oth missing				3		
.R=RF			2	2	1	
.S=Skip,question not asked			13	24	19	19
.U=Unmarried			8024	6678	6193	6541
.V=Spouse NR			1109	1110	1053	1406
0.No			11517	9080	8178	7529
1.Yes			154	211	223	237

RwSDRSTLG: R reports restless leg syndrome as dx sleep disorder

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip,question not asked										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			172	92	110	134
.J=Web interview, missing				1		
.M=Oth missing			2	6	1	
.R=RF			3	4	2	
.S=Skip,question not asked			30	56	58	51
0.No			20664	16946	15432	15476
1.Yes			41	41	120	126

SwSDRSTLG: S reports restless leg syndrome as dx sleep disorder

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip,question not asked										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			93	37	56	55
.J=Web interview, missing				1		
.M=Oth missing				3		
.R=RF			2	2	1	
.S=Skip,question not asked			13	24	19	19
.U=Unmarried			8024	6678	6193	6541
.V=Spouse NR			1109	1110	1053	1406
0.No			11656	9272	8349	7721
1.Yes			15	19	52	45

RwSDOTH: R reports other dx sleep disorder

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip,question not asked										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			172	92	110	134
.J=Web interview, missing				1		
.M=Oth missing			2	6	1	
.R=RF			3	4	2	
.S=Skip,question not asked			30	56	58	51
0.No			20486	16846	15418	15453
1.Yes			219	141	134	149

SwSDOTH: S reports other dx sleep disorder

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
.S=Skip,question not asked										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			93	37	56	55
.J=Web interview, missing				1		
.M=Oth missing				3		
.R=RF			2	2	1	
.S=Skip,question not asked			13	24	19	19
.U=Unmarried			8024	6678	6193	6541
.V=Spouse NR			1109	1110	1053	1406
0.No			11563	9226	8340	7705
1.Yes			108	65	61	61

How Constructed

RwSLEEPSN indicates the Respondent's reported snoring frequency in the past year. If the Respondent answers "occasionally" or "frequently," then RwSLEEPBR is asked and measures the frequency of the Respondent snorting, gasping or stopping breathing while sleeping in the past year. If the Respondent answers "never," "rarely," don't know, refuses or does not answer RwSLEEPSN, then RwSLEEPBR is not asked and is set to ".S=Skip."

If the Respondent reports "1. Yes" to RwSLEEP (reports sleep disorder this wv), then they can report the type(s) of sleep disorder they were diagnosed with. The types of disorders are stored in the RwSDAPNEA (reports sleep apnea as dx sleep disorder), RwSDINSOM

(reports insomnia as dx sleep disorder), RwSDRSTLG (reports restless leg syndrome as dx sleep disorder), RwSDNRCLPS (reports narcolepsy as dx sleep disorder), RwSDOTH (reports other dx sleep disorder) indicator variables. If the Respondent reports "1. No" to RwSLEEP, then they are marked as a "0. No" for the sleeping disorder variables. If the Respondent reports .D, .R or .J in RwSLEEP then the sleep disorder type questions are not asked and the sleep disorder flag variables are set to ".S=Skip."

RwSLEEPT captures whether the Respondent received treatment for their sleep or snoring problems and is only asked if the Respondent reported a sleep problem (trouble snoring or breathing) or reported that a doctor has ever told them they have a sleep disorder. If the Respondent answered "1. Yes" to receiving treatment, then they can report the type of treatment(s) they received for their sleeping or snoring problem. The type of treatments are stored in the RwSTOXY (reports oxygen tx for sleeping or snoring problems), RwSTXPRE (reports positive air pressure device such as a CPAP or BIPA tx for sleeping or snoring problems), RwSTXSRG (reports surgery tx for sleeping or snoring problems), RwSTXJAW (reports adhesive strips tx for sleeping or snoring problems), RwSTXNERVE (reports nerve stimulation tx for sleeping or snoring problems), RwSTXSTRIP (reports adhesive strips tx for sleeping or snoring problems), RwSTXOTH (reports other tx for sleeping or snoring problems), RwSTXMED (reports meds for sleeping or snoring problems) indicator variables. If the Respondent answered "0. No" to receiving treatment or were not asked if they received treatment (RwSLEEPT=0 or RwSLEEPT=.S), then they are marked as ".S=Skip" for the sleeping types of treatment variables. If they reported .D, .R, .J in RwSLEEPT, then they are not asked the type of treatments received and the type of treatment(s) they received variables are set to ".S=Skip."

SwSLEEPSN, SwSLEEPBR, SwSLEEPT, SwSTXOXY, SwSTXPRE, SwSTXSRG, SwSTXJAW, SwSTXNERVE, SwSTXSTRIP, SwSTXOTH, SwSTXMED, SwSDAPNEA, SwSDNRCLPS, SwSDINSOM, SwSDRSTLG, and SwSDOTH contain this information for the Respondent's spouse or partner.

Cross Wave Differences in Original HRS Data

The snoring and breathing problem questions are first asked in Wave 13. In Wave 14, for both RwSLEEPBR and RwSLEEPSN if a don't know response is given a follow-up prompt is added, "If you're not sure, please tell us how often you think it happened." Beginning in Wave 16 for RwSLEEPSN, the survey is changed from instructing the interviewer to "ask" the Respondent to instead "probe" them.

In Waves 13-14, the Respondent may only report one diagnosed sleep disorder option (RwSDAPNEA, RwSDINSOM, RwSDRSTLG, RwSDNRCLPS, RwSTXNERVE, RwSDOTH), but beginning in Wave 15 the Respondent can list all diagnosed sleep disorders.

Starting in Wave 14, the option to report narcolepsy as a sleep disorder (RwSDNRCLPS) was added.

HRS Variables Used

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HRS 2016:
    PC293M6         TREATMENTS IN PAST YEAR FOR SNORING PROBLEM - 6
    PC293M7         TREATMENTS IN PAST YEAR FOR SNORING PROBLEM - 7
HRS 2022:
    SC293M6         TREATMENTS IN PAST YEAR FOR SNORING PROBLEM - 6
HRS 2016-2018:
    xC292           WHICH SLEEP DISORDER
HRS 2016-2022:
    xC289           SNORING IN PAST 12 MONTHS
    xC290           SNORT GASP OR STOP BREATHING IN PAST 12 MONTHS
    xC291           TOLD BY HEALTH PROFESSIONAL HAVE SLEEP DISORDER
    xC293M1         TREATMENTS IN PAST YEAR FOR SNORING PROBLEM - 1
    xC293M2         TREATMENTS IN PAST YEAR FOR SNORING PROBLEM - 2
    xC293M3         TREATMENTS IN PAST YEAR FOR SNORING PROBLEM - 3
    xC293M4         TREATMENTS IN PAST YEAR FOR SNORING PROBLEM - 4
    xC293M5         TREATMENTS IN PAST YEAR FOR SNORING PROBLEM - 5
    xC296           HAD TREATMENTS IN PAST YEAR FOR SNORING PROBLEM
HRS 2020-2022:
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xC292M1         WHICH SLEEP DISORDER - 1
xC292M2         WHICH SLEEP DISORDER - 2
xC292M3         WHICH SLEEP DISORDER - 3
xC292M4         WHICH SLEEP DISORDER - 4
xC292M5         WHICH SLEEP DISORDER - 5
```

Eyesight and Hearing

Wave	Variable	Label	Type
1	R1EYERT	R1EYERT:W1 Self-report of eyesight	Categ
2	R2EYERT	R2EYERT:W2 Self-report of eyesight	Categ
3	R3EYERT	R3EYERT:W3 Self-report of eyesight	Categ
4	R4EYERT	R4EYERT:W4 Self-report of eyesight	Categ
5	R5EYERT	R5EYERT:W5 Self-report of eyesight	Categ
6	R6EYERT	R6EYERT:W6 Self-report of eyesight	Categ
7	R7EYERT	R7EYERT:W7 Self-report of eyesight	Categ
8	R8EYERT	R8EYERT:W8 Self-report of eyesight	Categ
9	R9EYERT	R9EYERT:W9 Self-report of eyesight	Categ
10	R10EYERT	R10EYERT:W10 Self-report of eyesight	Categ
11	R11EYERT	R11EYERT:W11 Self-report of eyesight	Categ
12	R12EYERT	R12EYERT:W12 Self-report of eyesight	Categ
13	R13EYERT	R13EYERT:W13 Self-report of eyesight	Categ
14	R14EYERT	R14EYERT:W14 Self-report of eyesight	Categ
15	R15EYERT	R15EYERT:W15 Self-report of eyesight	Categ
16	R16EYERT	R16EYERT:W16 Self-report of eyesight	Categ
1	S1EYERT	S1EYERT:W1 Self-report of eyesight	Categ
2	S2EYERT	S2EYERT:W2 Self-report of eyesight	Categ
3	S3EYERT	S3EYERT:W3 Self-report of eyesight	Categ
4	S4EYERT	S4EYERT:W4 Self-report of eyesight	Categ
5	S5EYERT	S5EYERT:W5 Self-report of eyesight	Categ
6	S6EYERT	S6EYERT:W6 Self-report of eyesight	Categ
7	S7EYERT	S7EYERT:W7 Self-report of eyesight	Categ
8	S8EYERT	S8EYERT:W8 Self-report of eyesight	Categ
9	S9EYERT	S9EYERT:W9 Self-report of eyesight	Categ
10	S10EYERT	S10EYERT:W10 Self-report of eyesight	Categ
11	S11EYERT	S11EYERT:W11 Self-report of eyesight	Categ
12	S12EYERT	S12EYERT:W12 Self-report of eyesight	Categ
13	S13EYERT	S13EYERT:W13 Self-report of eyesight	Categ
14	S14EYERT	S14EYERT:W14 Self-report of eyesight	Categ
15	S15EYERT	S15EYERT:W15 Self-report of eyesight	Categ
16	S16EYERT	S16EYERT:W16 Self-report of eyesight	Categ
1	R1EARAID	R1EARAID:W1 R reports hearing aid this wv	Categ
2	R2EARAID	R2EARAID:W2 R reports hearing aid this wv	Categ
3	R3EARAID	R3EARAID:W3 R reports hearing aid this wv	Categ
4	R4EARAID	R4EARAID:W4 R reports hearing aid this wv	Categ
5	R5EARAID	R5EARAID:W5 R reports hearing aid this wv	Categ
6	R6EARAID	R6EARAID:W6 R reports hearing aid this wv	Categ
7	R7EARAID	R7EARAID:W7 R reports hearing aid this wv	Categ
8	R8EARAID	R8EARAID:W8 R reports hearing aid this wv	Categ
9	R9EARAID	R9EARAID:W9 R reports hearing aid this wv	Categ
10	R10EARAID	R10EARAID:W10 R reports hearing aid this wv	Categ
11	R11EARAID	R11EARAID:W11 R reports hearing aid this wv	Categ
12	R12EARAID	R12EARAID:W12 R reports hearing aid this wv	Categ
13	R13EARAID	R13EARAID:W13 R reports hearing aid this wv	Categ
14	R14EARAID	R14EARAID:W14 R reports hearing aid this wv	Categ
15	R15EARAID	R15EARAID:W15 R reports hearing aid this wv	Categ
16	R16EARAID	R16EARAID:W16 R reports hearing aid this wv	Categ
1	S1EARAID	S1EARAID:W1 S reports hearing aid this wv	Categ
2	S2EARAID	S2EARAID:W2 S reports hearing aid this wv	Categ
3	S3EARAID	S3EARAID:W3 S reports hearing aid this wv	Categ
4	S4EARAID	S4EARAID:W4 S reports hearing aid this wv	Categ
5	S5EARAID	S5EARAID:W5 S reports hearing aid this wv	Categ
6	S6EARAID	S6EARAID:W6 S reports hearing aid this wv	Categ
7	S7EARAID	S7EARAID:W7 S reports hearing aid this wv	Categ
8	S8EARAID	S8EARAID:W8 S reports hearing aid this wv	Categ
9	S9EARAID	S9EARAID:W9 S reports hearing aid this wv	Categ
10	S10EARAID	S10EARAID:W10 S reports hearing aid this wv	Categ
11	S11EARAID	S11EARAID:W11 S reports hearing aid this wv	Categ
12	S12EARAID	S12EARAID:W12 S reports hearing aid this wv	Categ
13	S13EARAID	S13EARAID:W13 S reports hearing aid this wv	Categ
14	S14EARAID	S14EARAID:W14 S reports hearing aid this wv	Categ
15	S15EARAID	S15EARAID:W15 S reports hearing aid this wv	Categ

16	S16EARAID	S16EARAID:W16 S reports hearing aid this wv	Categ
1	R1EARRT	R1EARRT:W1 Self-report of hearing	Categ
2	R2EARRT	R2EARRT:W2 Self-report of hearing	Categ
3	R3EARRT	R3EARRT:W3 Self-report of hearing	Categ
4	R4EARRT	R4EARRT:W4 Self-report of hearing	Categ
5	R5EARRT	R5EARRT:W5 Self-report of hearing	Categ
6	R6EARRT	R6EARRT:W6 Self-report of hearing	Categ
7	R7EARRT	R7EARRT:W7 Self-report of hearing	Categ
8	R8EARRT	R8EARRT:W8 Self-report of hearing	Categ
9	R9EARRT	R9EARRT:W9 Self-report of hearing	Categ
10	R10EARRT	R10EARRT:W10 Self-report of hearing	Categ
11	R11EARRT	R11EARRT:W11 Self-report of hearing	Categ
12	R12EARRT	R12EARRT:W12 Self-report of hearing	Categ
13	R13EARRT	R13EARRT:W13 Self-report of hearing	Categ
14	R14EARRT	R14EARRT:W14 Self-report of hearing	Categ
15	R15EARRT	R15EARRT:W15 Self-report of hearing	Categ
16	R16EARRT	R16EARRT:W16 Self-report of hearing	Categ
1	S1EARRT	S1EARRT:W1 Self-report of hearing	Categ
2	S2EARRT	S2EARRT:W2 Self-report of hearing	Categ
3	S3EARRT	S3EARRT:W3 Self-report of hearing	Categ
4	S4EARRT	S4EARRT:W4 Self-report of hearing	Categ
5	S5EARRT	S5EARRT:W5 Self-report of hearing	Categ
6	S6EARRT	S6EARRT:W6 Self-report of hearing	Categ
7	S7EARRT	S7EARRT:W7 Self-report of hearing	Categ
8	S8EARRT	S8EARRT:W8 Self-report of hearing	Categ
9	S9EARRT	S9EARRT:W9 Self-report of hearing	Categ
10	S10EARRT	S10EARRT:W10 Self-report of hearing	Categ
11	S11EARRT	S11EARRT:W11 Self-report of hearing	Categ
12	S12EARRT	S12EARRT:W12 Self-report of hearing	Categ
13	S13EARRT	S13EARRT:W13 Self-report of hearing	Categ
14	S14EARRT	S14EARRT:W14 Self-report of hearing	Categ
15	S15EARRT	S15EARRT:W15 Self-report of hearing	Categ
16	S16EARRT	S16EARRT:W16 Self-report of hearing	Categ
2	R2EYECAT	R2EYECAT:W2 R reports cataract srgry this wv	Categ
3	R3EYECAT	R3EYECAT:W3 R reports cataract srgry this wv	Categ
4	R4EYECAT	R4EYECAT:W4 R reports cataract srgry this wv	Categ
5	R5EYECAT	R5EYECAT:W5 R reports cataract srgry this wv	Categ
6	R6EYECAT	R6EYECAT:W6 R reports cataract srgry this wv	Categ
7	R7EYECAT	R7EYECAT:W7 R reports cataract srgry this wv	Categ
8	R8EYECAT	R8EYECAT:W8 R reports cataract srgry this wv	Categ
9	R9EYECAT	R9EYECAT:W9 R reports cataract srgry this wv	Categ
10	R10EYECAT	R10EYECAT:W10 R reports cataract srgry this wv	Categ
11	R11EYECAT	R11EYECAT:W11 R reports cataract srgry this wv	Categ
12	R12EYECAT	R12EYECAT:W12 R reports cataract srgry this wv	Categ
13	R13EYECAT	R13EYECAT:W13 R reports cataract srgry this wv	Categ
14	R14EYECAT	R14EYECAT:W14 R reports cataract srgry this wv	Categ
15	R15EYECAT	R15EYECAT:W15 R reports cataract srgry this wv	Categ
16	R16EYECAT	R16EYECAT:W16 R reports cataract srgry this wv	Categ
2	S2EYECAT	S2EYECAT:W2 S reports cataract srgry this wv	Categ
3	S3EYECAT	S3EYECAT:W3 S reports cataract srgry this wv	Categ
4	S4EYECAT	S4EYECAT:W4 S reports cataract srgry this wv	Categ
5	S5EYECAT	S5EYECAT:W5 S reports cataract srgry this wv	Categ
6	S6EYECAT	S6EYECAT:W6 S reports cataract srgry this wv	Categ
7	S7EYECAT	S7EYECAT:W7 S reports cataract srgry this wv	Categ
8	S8EYECAT	S8EYECAT:W8 S reports cataract srgry this wv	Categ
9	S9EYECAT	S9EYECAT:W9 S reports cataract srgry this wv	Categ
10	S10EYECAT	S10EYECAT:W10 S reports cataract srgry this wv	Categ
11	S11EYECAT	S11EYECAT:W11 S reports cataract srgry this wv	Categ
12	S12EYECAT	S12EYECAT:W12 S reports cataract srgry this wv	Categ
13	S13EYECAT	S13EYECAT:W13 S reports cataract srgry this wv	Categ
14	S14EYECAT	S14EYECAT:W14 S reports cataract srgry this wv	Categ
15	S15EYECAT	S15EYECAT:W15 S reports cataract srgry this wv	Categ
16	S16EYECAT	S16EYECAT:W16 S reports cataract srgry this wv	Categ
3	R3EYENR	R3EYENR:W3 Self-report of near eyesight	Categ
4	R4EYENR	R4EYENR:W4 Self-report of near eyesight	Categ
5	R5EYENR	R5EYENR:W5 Self-report of near eyesight	Categ
6	R6EYENR	R6EYENR:W6 Self-report of near eyesight	Categ

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 7    R7EYENR             R7EYENR:W7 Self-report of near eyesight                    Categ
 8    R8EYENR             R8EYENR:W8 Self-report of near eyesight                    Categ
 9    R9EYENR             R9EYENR:W9 Self-report of near eyesight                    Categ
10    R10EYENR            R10EYENR:W10 Self-report of near eyesight                  Categ
11    R11EYENR            R11EYENR:W11 Self-report of near eyesight                  Categ
12    R12EYENR            R12EYENR:W12 Self-report of near eyesight                  Categ
13    R13EYENR            R13EYENR:W13 Self-report of near eyesight                  Categ
14    R14EYENR            R14EYENR:W14 Self-report of near eyesight                  Categ
15    R15EYENR            R15EYENR:W15 Self-report of near eyesight                  Categ
16    R16EYENR            R16EYENR:W16 Self-report of near eyesight                  Categ

 3    S3EYENR             S3EYENR:W3 Self-report of near eyesight                    Categ
 4    S4EYENR             S4EYENR:W4 Self-report of near eyesight                    Categ
 5    S5EYENR             S5EYENR:W5 Self-report of near eyesight                    Categ
 6    S6EYENR             S6EYENR:W6 Self-report of near eyesight                    Categ
 7    S7EYENR             S7EYENR:W7 Self-report of near eyesight                    Categ
 8    S8EYENR             S8EYENR:W8 Self-report of near eyesight                    Categ
 9    S9EYENR             S9EYENR:W9 Self-report of near eyesight                    Categ
10    S10EYENR            S10EYENR:W10 Self-report of near eyesight                  Categ
11    S11EYENR            S11EYENR:W11 Self-report of near eyesight                  Categ
12    S12EYENR            S12EYENR:W12 Self-report of near eyesight                  Categ
13    S13EYENR            S13EYENR:W13 Self-report of near eyesight                  Categ
14    S14EYENR            S14EYENR:W14 Self-report of near eyesight                  Categ
15    S15EYENR            S15EYENR:W15 Self-report of near eyesight                  Categ
16    S16EYENR            S16EYENR:W16 Self-report of near eyesight                  Categ

 3    R3EYEFR             R3EYEFR:W3 Self-report of far eyesight                     Categ
 4    R4EYEFR             R4EYEFR:W4 Self-report of far eyesight                     Categ
 5    R5EYEFR             R5EYEFR:W5 Self-report of far eyesight                     Categ
 6    R6EYEFR             R6EYEFR:W6 Self-report of far eyesight                     Categ
 7    R7EYEFR             R7EYEFR:W7 Self-report of far eyesight                     Categ
 8    R8EYEFR             R8EYEFR:W8 Self-report of far eyesight                     Categ
 9    R9EYEFR             R9EYEFR:W9 Self-report of far eyesight                     Categ
10    R10EYEFR            R10EYEFR:W10 Self-report of far eyesight                   Categ
11    R11EYEFR            R11EYEFR:W11 Self-report of far eyesight                   Categ
12    R12EYEFR            R12EYEFR:W12 Self-report of far eyesight                   Categ
13    R13EYEFR            R13EYEFR:W13 Self-report of far eyesight                   Categ
14    R14EYEFR            R14EYEFR:W14 Self-report of far eyesight                   Categ
15    R15EYEFR            R15EYEFR:W15 Self-report of far eyesight                   Categ
16    R16EYEFR            R16EYEFR:W16 Self-report of far eyesight                   Categ

 3    S3EYEFR             S3EYEFR:W3 Self-report of far eyesight                     Categ
 4    S4EYEFR             S4EYEFR:W4 Self-report of far eyesight                     Categ
 5    S5EYEFR             S5EYEFR:W5 Self-report of far eyesight                     Categ
 6    S6EYEFR             S6EYEFR:W6 Self-report of far eyesight                     Categ
 7    S7EYEFR             S7EYEFR:W7 Self-report of far eyesight                     Categ
 8    S8EYEFR             S8EYEFR:W8 Self-report of far eyesight                     Categ
 9    S9EYEFR             S9EYEFR:W9 Self-report of far eyesight                     Categ
10    S10EYEFR            S10EYEFR:W10 Self-report of far eyesight                   Categ
11    S11EYEFR            S11EYEFR:W11 Self-report of far eyesight                   Categ
12    S12EYEFR            S12EYEFR:W12 Self-report of far eyesight                   Categ
13    S13EYEFR            S13EYEFR:W13 Self-report of far eyesight                   Categ
14    S14EYEFR            S14EYEFR:W14 Self-report of far eyesight                   Categ
15    S15EYEFR            S15EYEFR:W15 Self-report of far eyesight                   Categ
16    S16EYEFR            S16EYEFR:W16 Self-report of far eyesight                   Categ

 3    R3EYEGLC            R3EYEGLC:W3 R reports glaucoma tx this wv                  Categ
 4    R4EYEGLC            R4EYEGLC:W4 R reports glaucoma tx this wv                  Categ
 5    R5EYEGLC            R5EYEGLC:W5 R reports glaucoma tx this wv                  Categ
 6    R6EYEGLC            R6EYEGLC:W6 R reports glaucoma tx this wv                  Categ
 7    R7EYEGLC            R7EYEGLC:W7 R reports glaucoma tx this wv                  Categ
 8    R8EYEGLC            R8EYEGLC:W8 R reports glaucoma tx this wv                  Categ
 9    R9EYEGLC            R9EYEGLC:W9 R reports glaucoma tx this wv                  Categ
10    R10EYEGLC           R10EYEGLC:W10 R reports glaucoma tx this wv                Categ
11    R11EYEGLC           R11EYEGLC:W11 R reports glaucoma tx this wv                Categ
12    R12EYEGLC           R12EYEGLC:W12 R reports glaucoma tx this wv                Categ
13    R13EYEGLC           R13EYEGLC:W13 R reports glaucoma tx this wv                Categ
14    R14EYEGLC           R14EYEGLC:W14 R reports glaucoma tx this wv                Categ
15    R15EYEGLC           R15EYEGLC:W15 R reports glaucoma tx this wv                Categ
16    R16EYEGLC           R16EYEGLC:W16 R reports glaucoma tx this wv                Categ

 3    S3EYEGLC            S3EYEGLC:W3 S reports glaucoma tx this wv                  Categ
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4	S4EYEGLC	S4EYEGLC:W4 S reports glaucoma tx this wv	Categ
5	S5EYEGLC	S5EYEGLC:W5 S reports glaucoma tx this wv	Categ
6	S6EYEGLC	S6EYEGLC:W6 S reports glaucoma tx this wv	Categ
7	S7EYEGLC	S7EYEGLC:W7 S reports glaucoma tx this wv	Categ
8	S8EYEGLC	S8EYEGLC:W8 S reports glaucoma tx this wv	Categ
9	S9EYEGLC	S9EYEGLC:W9 S reports glaucoma tx this wv	Categ
10	S10EYEGLC	S10EYEGLC:W10 S reports glaucoma tx this wv	Categ
11	S11EYEGLC	S11EYEGLC:W11 S reports glaucoma tx this wv	Categ
12	S12EYEGLC	S12EYEGLC:W12 S reports glaucoma tx this wv	Categ
13	S13EYEGLC	S13EYEGLC:W13 S reports glaucoma tx this wv	Categ
14	S14EYEGLC	S14EYEGLC:W14 S reports glaucoma tx this wv	Categ
15	S15EYEGLC	S15EYEGLC:W15 S reports glaucoma tx this wv	Categ
16	S16EYEGLC	S16EYEGLC:W16 S reports glaucoma tx this wv	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1EYERT	12650	3.71	1.08	1.0	5.0
R2EYERT	19544	3.41	1.10	1.0	5.0
R3EYERT	17878	3.09	1.02	1.0	5.0
R4EYERT	21271	3.16	1.02	1.0	5.0
R5EYERT	19457	3.16	1.00	1.0	5.0
R6EYERT	18042	3.18	1.00	1.0	5.0
R7EYERT	20028	3.16	1.01	1.0	5.0
R8EYERT	18352	3.16	1.00	1.0	5.0
R9EYERT	17127	3.17	1.01	1.0	5.0
R10EYERT	21931	3.13	1.01	1.0	5.0
R11EYERT	20422	3.10	1.01	1.0	5.0
R12EYERT	18651	3.05	1.00	1.0	5.0
R13EYERT	20794	3.06	1.01	1.0	5.0
R14EYERT	17108	3.05	1.01	1.0	5.0
R15EYERT	15646	3.06	0.99	1.0	5.0
R16EYERT	15720	3.06	1.01	1.0	5.0
S1EYERT	9899	3.76	1.05	1.0	5.0
S2EYERT	13038	3.53	1.07	1.0	5.0
S3EYERT	11870	3.18	0.99	1.0	5.0
S4EYERT	13920	3.25	1.00	1.0	5.0
S5EYERT	12679	3.26	0.98	1.0	5.0
S6EYERT	11585	3.28	0.96	1.0	5.0
S7EYERT	12934	3.26	0.98	1.0	5.0
S8EYERT	11696	3.26	0.98	1.0	5.0
S9EYERT	10614	3.26	0.97	1.0	5.0
S10EYERT	13471	3.22	0.98	1.0	5.0
S11EYERT	12423	3.19	0.99	1.0	5.0
S12EYERT	10971	3.15	0.98	1.0	5.0
S13EYERT	11723	3.15	0.98	1.0	5.0
S14EYERT	9343	3.14	0.99	1.0	5.0
S15EYERT	8449	3.17	0.97	1.0	5.0
S16EYERT	7813	3.17	0.98	1.0	5.0
R1EARAID	12652	0.02	0.14	0.0	1.0
R2EARAID	19639	0.07	0.25	0.0	1.0
R3EARAID	17987	0.07	0.26	0.0	1.0
R4EARAID	20310	0.03	0.16	0.0	1.0
R5EARAID	19099	0.06	0.23	0.0	1.0
R6EARAID	17350	0.05	0.21	0.0	1.0
R7EARAID	18869	0.02	0.15	0.0	1.0

R8EARAID	17105	0.02	0.15	0.0	1.0
R9EARAID	15783	0.03	0.16	0.0	1.0
R10EARAID	20655	0.03	0.17	0.0	1.0
R11EARAID	18930	0.02	0.15	0.0	1.0
R12EARAID	17119	0.03	0.16	0.0	1.0
R13EARAID	19387	0.03	0.16	0.0	1.0
R14EARAID	15621	0.02	0.15	0.0	1.0
R15EARAID	14567	0.04	0.21	0.0	1.0
R16EARAID	14449	0.04	0.18	0.0	1.0
S1EARAID	9900	0.02	0.15	0.0	1.0
S2EARAID	13089	0.06	0.23	0.0	1.0
S3EARAID	11915	0.06	0.25	0.0	1.0
S4EARAID	13336	0.03	0.16	0.0	1.0
S5EARAID	12421	0.05	0.22	0.0	1.0
S6EARAID	11151	0.04	0.20	0.0	1.0
S7EARAID	12230	0.02	0.15	0.0	1.0
S8EARAID	10928	0.02	0.15	0.0	1.0
S9EARAID	9780	0.02	0.15	0.0	1.0
S10EARAID	12692	0.03	0.17	0.0	1.0
S11EARAID	11557	0.02	0.15	0.0	1.0
S12EARAID	10094	0.02	0.16	0.0	1.0
S13EARAID	10932	0.02	0.16	0.0	1.0
S14EARAID	8537	0.03	0.16	0.0	1.0
S15EARAID	7837	0.04	0.20	0.0	1.0
S16EARAID	7142	0.04	0.19	0.0	1.0
R1EARRT	12652	3.70	1.09	1.0	5.0
R2EARRT	19625	3.45	1.10	1.0	5.0
R3EARRT	17977	3.42	1.11	1.0	5.0
R4EARRT	21369	3.41	1.12	1.0	5.0
R5EARRT	19560	3.38	1.10	1.0	5.0
R6EARRT	18148	3.34	1.10	1.0	5.0
R7EARRT	20108	3.36	1.12	1.0	5.0
R8EARRT	18444	3.29	1.10	1.0	5.0
R9EARRT	17206	3.33	1.12	1.0	5.0
R10EARRT	22016	3.38	1.10	1.0	5.0
R11EARRT	20540	3.33	1.10	1.0	5.0
R12EARRT	18722	3.32	1.09	1.0	5.0
R13EARRT	20885	3.36	1.09	1.0	5.0
R14EARRT	17125	3.33	1.06	1.0	5.0
R15EARRT	15693	3.38	1.05	1.0	5.0
R16EARRT	15760	3.38	1.06	1.0	5.0
S1EARRT	9900	3.71	1.09	1.0	5.0
S2EARRT	13078	3.50	1.10	1.0	5.0
S3EARRT	11909	3.46	1.11	1.0	5.0
S4EARRT	13975	3.45	1.12	1.0	5.0
S5EARRT	12720	3.43	1.09	1.0	5.0
S6EARRT	11632	3.39	1.09	1.0	5.0
S7EARRT	12961	3.41	1.12	1.0	5.0
S8EARRT	11727	3.34	1.10	1.0	5.0
S9EARRT	10640	3.37	1.11	1.0	5.0
S10EARRT	13506	3.42	1.10	1.0	5.0
S11EARRT	12475	3.38	1.09	1.0	5.0
S12EARRT	11002	3.36	1.09	1.0	5.0
S13EARRT	11769	3.40	1.08	1.0	5.0
S14EARRT	9347	3.37	1.05	1.0	5.0
S15EARRT	8465	3.40	1.03	1.0	5.0

S16EARRT	7830	3.41	1.05	1.0	5.0
R2EYECAT	8215	0.27	0.44	0.0	1.0
R3EYECAT	7603	0.11	0.32	0.0	1.0
R4EYECAT	10783	0.13	0.34	0.0	1.0
R5EYECAT	10019	0.11	0.31	0.0	1.0
R6EYECAT	10379	0.11	0.31	0.0	1.0
R7EYECAT	10175	0.11	0.31	0.0	1.0
R8EYECAT	10048	0.11	0.31	0.0	1.0
R9EYECAT	9667	0.12	0.32	0.0	1.0
R10EYECAT	8980	0.14	0.35	0.0	1.0
R11EYECAT	8317	0.12	0.32	0.0	1.0
R12EYECAT	7795	0.13	0.33	0.0	1.0
R13EYECAT	7146	0.13	0.33	0.0	1.0
R14EYECAT	6155	0.12	0.32	0.0	1.0
R15EYECAT	6770	0.12	0.32	0.0	1.0
R16EYECAT	6687	0.14	0.34	0.0	1.0
S2EYECAT	4347	0.22	0.41	0.0	1.0
S3EYECAT	4158	0.10	0.30	0.0	1.0
S4EYECAT	6179	0.12	0.33	0.0	1.0
S5EYECAT	5708	0.10	0.30	0.0	1.0
S6EYECAT	5934	0.10	0.30	0.0	1.0
S7EYECAT	5936	0.11	0.31	0.0	1.0
S8EYECAT	5814	0.10	0.30	0.0	1.0
S9EYECAT	5599	0.11	0.31	0.0	1.0
S10EYECAT	5259	0.14	0.35	0.0	1.0
S11EYECAT	4861	0.12	0.32	0.0	1.0
S12EYECAT	4387	0.13	0.33	0.0	1.0
S13EYECAT	3923	0.13	0.33	0.0	1.0
S14EYECAT	3338	0.11	0.32	0.0	1.0
S15EYECAT	3638	0.12	0.32	0.0	1.0
S16EYECAT	3353	0.12	0.33	0.0	1.0
R3EYENR	17874	3.22	1.08	1.0	5.0
R4EYENR	21254	3.28	1.06	1.0	5.0
R5EYENR	19433	3.26	1.03	1.0	5.0
R6EYENR	18025	3.27	1.03	1.0	5.0
R7EYENR	20005	3.26	1.04	1.0	5.0
R8EYENR	18340	3.24	1.01	1.0	5.0
R9EYENR	17105	3.27	1.02	1.0	5.0
R10EYENR	21926	3.23	1.06	1.0	5.0
R11EYENR	20430	3.18	1.05	1.0	5.0
R12EYENR	18652	3.17	1.04	1.0	5.0
R13EYENR	20819	3.16	1.06	1.0	5.0
R14EYENR	17115	3.17	1.06	1.0	5.0
R15EYENR	15675	3.19	1.03	1.0	5.0
R16EYENR	15741	3.20	1.06	1.0	5.0
S3EYENR	11867	3.31	1.06	1.0	5.0
S4EYENR	13913	3.36	1.04	1.0	5.0
S5EYENR	12664	3.36	1.00	1.0	5.0
S6EYENR	11584	3.36	0.99	1.0	5.0
S7EYENR	12927	3.35	1.01	1.0	5.0
S8EYENR	11685	3.33	0.99	1.0	5.0
S9EYENR	10610	3.36	1.00	1.0	5.0
S10EYENR	13465	3.31	1.03	1.0	5.0
S11EYENR	12434	3.26	1.04	1.0	5.0
S12EYENR	10974	3.25	1.02	1.0	5.0

S13EYENR	11739	3.24	1.05	1.0	5.0
S14EYENR	9343	3.26	1.05	1.0	5.0
S15EYENR	8455	3.28	1.02	1.0	5.0
S16EYENR	7823	3.29	1.03	1.0	5.0
R3EYEFR	17875	3.42	1.04	1.0	5.0
R4EYEFR	21253	3.47	1.03	1.0	5.0
R5EYEFR	19440	3.39	1.01	1.0	5.0
R6EYEFR	18028	3.39	1.01	1.0	5.0
R7EYEFR	20014	3.41	1.01	1.0	5.0
R8EYEFR	18342	3.38	0.99	1.0	5.0
R9EYEFR	17104	3.42	1.00	1.0	5.0
R10EYEFR	21917	3.44	1.02	1.0	5.0
R11EYEFR	20433	3.39	1.01	1.0	5.0
R12EYEFR	18655	3.36	1.00	1.0	5.0
R13EYEFR	20812	3.40	1.02	1.0	5.0
R14EYEFR	17122	3.39	1.03	1.0	5.0
R15EYEFR	15663	3.41	1.01	1.0	5.0
R16EYEFR	15735	3.40	1.02	1.0	5.0
S3EYEFR	11873	3.51	1.01	1.0	5.0
S4EYEFR	13913	3.55	1.00	1.0	5.0
S5EYEFR	12666	3.49	0.98	1.0	5.0
S6EYEFR	11585	3.49	0.97	1.0	5.0
S7EYEFR	12924	3.51	0.98	1.0	5.0
S8EYEFR	11686	3.47	0.96	1.0	5.0
S9EYEFR	10613	3.52	0.97	1.0	5.0
S10EYEFR	13463	3.53	0.99	1.0	5.0
S11EYEFR	12434	3.49	0.98	1.0	5.0
S12EYEFR	10980	3.46	0.98	1.0	5.0
S13EYEFR	11740	3.48	0.99	1.0	5.0
S14EYEFR	9344	3.49	1.01	1.0	5.0
S15EYEFR	8453	3.50	0.98	1.0	5.0
S16EYEFR	7814	3.50	0.99	1.0	5.0
R3EYEGLC	7592	0.11	0.31	0.0	1.0
R4EYEGLC	10477	0.05	0.22	0.0	1.0
R5EYEGLC	10243	0.07	0.25	0.0	1.0
R6EYEGLC	10320	0.06	0.25	0.0	1.0
R7EYEGLC	10116	0.04	0.20	0.0	1.0
R8EYEGLC	10244	0.04	0.20	0.0	1.0
R9EYEGLC	10114	0.04	0.20	0.0	1.0
R10EYEGLC	9671	0.05	0.21	0.0	1.0
R11EYEGLC	9362	0.05	0.21	0.0	1.0
R12EYEGLC	8932	0.04	0.20	0.0	1.0
R13EYEGLC	8574	0.05	0.22	0.0	1.0
R14EYEGLC	7613	0.04	0.20	0.0	1.0
R15EYEGLC	8299	0.09	0.29	0.0	1.0
R16EYEGLC	7902	0.06	0.23	0.0	1.0
S3EYEGLC	4157	0.09	0.29	0.0	1.0
S4EYEGLC	6059	0.05	0.21	0.0	1.0
S5EYEGLC	5799	0.05	0.22	0.0	1.0
S6EYEGLC	5918	0.06	0.23	0.0	1.0
S7EYEGLC	5930	0.04	0.20	0.0	1.0
S8EYEGLC	5963	0.04	0.19	0.0	1.0
S9EYEGLC	5838	0.04	0.19	0.0	1.0
S10EYEGLC	5610	0.04	0.20	0.0	1.0
S11EYEGLC	5375	0.04	0.19	0.0	1.0

S12EYEGLC	4953	0.04	0.20	0.0	1.0
S13EYEGLC	4583	0.05	0.22	0.0	1.0
S14EYEGLC	4029	0.04	0.19	0.0	1.0
S15EYEGLC	4331	0.08	0.27	0.0	1.0
S16EYEGLC	3938	0.06	0.23	0.0	1.0

Categorical Variable Codes

RwEYERT: Self-report of eyesight

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		12	10	13	13	22	20	27	16	47
.J=Web interview, missing										
.M=Oth missing			6					2		
.R=RF		10	2		1	2	3	2	2	2
.S=Skip	2	76	95	100	107	99	78	86	72	54
1. Poor	402	1029	1247	1256	1186	1069	1189	1069	976	1362
2. Fair	1264	2741	3289	3714	3128	2770	3335	3059	2872	3954
3. Good	3573	6564	7552	8925	8330	7760	8523	7900	7118	9089
4. Very good	3813	5598	4208	5120	5002	4741	4952	4569	4535	5549
5. Excellent	3598	3612	1582	2256	1811	1702	2029	1755	1626	1977

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	60	47	56	29	65	60
.J=Web interview, missing				2	1	3
.M=Oth missing	1		1			
.R=RF	6	1	8	7	11	4
.S=Skip	65	48	53			
1. Poor	1328	1258	1372	1189	1012	1057
2. Fair	3862	3747	4209	3428	3063	3137
3. Good	8428	7715	8710	7149	6594	6559
4. Very good	5112	4593	4872	4035	3854	3726
5. Excellent	1692	1338	1631	1307	1123	1241

SwEYERT: Self-report of eyesight

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		7	4	9	3	13	8	6	6	18
.J=Web interview, missing										
.M=Oth missing			4					1		
.R=RF		10			1	2	1	1	2	1
.S=Skip	1	35	39	51	47	39	29	31	24	23
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
1. Poor	253	499	600	607	563	460	541	494	426	597
2. Fair	880	1550	1984	2172	1811	1581	1941	1737	1589	2210
3. Good	2747	4228	5137	5880	5432	4990	5510	5016	4454	5590
4. Very good	3110	4012	3016	3652	3527	3341	3482	3182	3060	3732
5. Excellent	2909	2749	1133	1609	1346	1213	1460	1267	1085	1342

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	30	22	26	12	23	23
.J=Web interview, missing				1		2
.M=Oth missing	1					

.R=RF	3		2	2	5	2
.S=Skip	27	19	28			
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1. Poor	583	577	575	499	411	366
2. Fair	2190	2007	2178	1742	1477	1446
3. Good	5092	4482	4938	3836	3546	3186
4. Very good	3391	3027	3013	2468	2312	2129
5. Excellent	1167	878	1019	798	703	686

RwEARAID: R reports hearing aid this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		2		4			1			4
.J=Web interview, missing										
.M=Oth missing			2					2		
.P=Prv reported, skip				1070	478	815	1258	1360	1432	1373
.R=RF		1	2		1		1	2	2	2
0.No	12388	18345	16723	19765	18032	16560	18407	16684	15382	20052
1.Yes	264	1294	1264	545	1067	790	462	421	401	603

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	2	1	3	1	6	3
.J=Web interview, missing				4	1	2
.M=Oth missing	1		1			1
.P=Prv reported, skip	1621	1627	1520	1518	1147	1331
.R=RF			1	2	2	1
0.No	18485	16681	18894	15238	13918	13940
1.Yes	445	438	493	383	649	509

SwEARAID: S reports hearing aid this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA				3			1			2
.J=Web interview, missing										
.M=Oth missing			2					1		
.P=Prv reported, skip				641	308	488	741	805	864	818
.R=RF		1			1			1	2	1
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	9674	12334	11142	12986	11792	10672	11946	10669	9543	12335
1.Yes	226	755	773	350	629	479	284	259	237	357

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	2		1		2	1
.J=Web interview, missing				2		1
.M=Oth missing	1					
.P=Prv reported, skip	924	918	846	818	637	695
.R=RF				1	1	1
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	11291	9842	10659	8306	7494	6882
1.Yes	266	252	273	231	343	260

RwEARRT: Self-report of hearing

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		8	6	14	17	15	18	22	8	15
.J=Web interview, missing										
.M=Oth missing			6					2		
.R=RF		9	2	1	1	2	3	1	3	3
1. Poor	322	801	862	1152	962	963	1121	1092	1031	1106
2. Fair	1455	2931	2663	3163	3029	2893	3188	3083	2756	3408
3. Good	3625	6640	6167	7195	6717	6360	6943	6490	5831	7546
4. Very good	3483	5211	4637	5569	5315	4816	5103	4860	4610	5847
5. Excellent	3767	4042	3648	4290	3537	3116	3753	2919	2978	4109

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	12	24	24	16	24	20
.J=Web interview, missing				2	3	4
.M=Oth missing	1		1			1
.R=RF	1	1	2	3	3	2
1. Poor	1120	1001	1001	771	625	655
2. Fair	3386	3109	3350	2812	2375	2407
3. Good	7083	6578	7312	6197	5651	5622
4. Very good	5523	4995	5524	4673	4507	4379
5. Excellent	3428	3039	3698	2672	2535	2697

SwEARRT: Self-report of hearing

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		4	3	5	9	6	10	6	4	6
.J=Web interview, missing										
.M=Oth missing			5					1		
.R=RF		8			1	1	1	1	2	1
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
1. Poor	250	482	516	670	557	538	634	616	571	619
2. Fair	1168	1867	1715	1999	1879	1768	1999	1922	1651	2047
3. Good	2771	4279	3987	4608	4289	4055	4355	4004	3580	4544
4. Very good	2737	3557	3123	3725	3507	3137	3375	3216	2931	3677
5. Excellent	2974	2893	2568	2973	2488	2134	2598	1969	1907	2619

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	8	10	10	9	9	6
.J=Web interview, missing				2	2	3
.M=Oth missing	1					
.R=RF					1	1
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1. Poor	594	536	486	368	285	272
2. Fair	1988	1777	1886	1478	1282	1176
3. Good	4257	3754	3981	3315	2989	2780
4. Very good	3404	3036	3281	2680	2540	2249
5. Excellent	2232	1899	2135	1506	1369	1353

RwEYECAT: R reports cataract srgry this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age ineligible			10375	10252	8863	7227	8837	7112	5875	11097
.D=DK/NA		7	4	8	14	14	11	15	16	34
.J=Web interview, missing										
.M=Oth missing			9			67	195	1		
.P=Prv reported, skip				341	682	478	910	1293	1658	1922
.Q=Not asked this wv		11420								
.R=RF							1		1	1
0.No		5988	6744	9360	8917	9248	9080	8939	8536	7708
1.Yes		2227	859	1423	1102	1131	1095	1109	1131	1272

Value	w11	w12	w13	w14	w15	w16
.A=Age ineligible	9818	8378	10940	8152	6737	6812
.D=DK/NA	19	32	14	6	23	9
.J=Web interview, missing				3	3	2
.M=Oth missing	1			1		1
.P=Prv reported, skip	2398	2542	2810	2828	2189	2276
.Q=Not asked this wv						
.R=RF	1		2	1	1	
0.No	7322	6803	6238	5434	5976	5778
1.Yes	995	992	908	721	794	909

SwEYECAT: S reports cataract srgry this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age ineligible			7750	7649	6687	5433	6409	5275	4247	7351
.D=DK/NA		2		5	4	4	3	5	8	15
.J=Web interview, missing										
.M=Oth missing			9			54	195	1		
.P=Prv reported, skip				147	331	214	429	640	791	887
.Q=Not asked this wv		9125								
.R=RF									1	1
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
0.No		3405	3754	5436	5134	5339	5312	5217	5005	4522
1.Yes		942	404	743	574	595	624	597	594	737

Value	w11	w12	w13	w14	w15	w16
.A=Age ineligible	6486	5426	6569	4727	3875	3476
.D=DK/NA	12	15	1	2	9	2
.J=Web interview, missing					2	2
.M=Oth missing	1			1		
.P=Prv reported, skip	1124	1184	1286	1290	953	1007
.Q=Not asked this wv						
.R=RF						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	4300	3827	3431	2960	3207	2940
1.Yes	561	560	492	378	431	413

RwEYENR: Self-report of near eyesight

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			15	30	35	39	42	40	39	49
.J=Web interview, missing										
.M=Oth missing			4					2		
.R=RF			3		3	2	4	1	1	5
.S=Skip			95	100	107	99	78	86	72	54
1. Poor			1366	1395	1221	1110	1314	1104	982	1529
2. Fair			2360	2630	2347	2148	2329	2202	2129	2931
3. Good			7463	8895	8390	7854	8887	8344	7476	9363
4. Very good			4267	5250	5073	4668	4832	4487	4325	5272
5. Excellent			2418	3084	2402	2245	2643	2203	2193	2831

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	56	44	35	19	28	27
.J=Web interview, missing				11	13	12
.M=Oth missing	1		1			4
.R=RF	2	3	4	1	7	3
.S=Skip	65	48	53			
1. Poor	1503	1304	1560	1262	1002	1068
2. Fair	2912	2793	3211	2666	2383	2404
3. Good	8864	8119	8803	7011	6674	6533
4. Very good	4753	4377	4779	4178	3854	3823
5. Excellent	2398	2059	2466	1998	1762	1913

SwEYENR: Self-report of near eyesight

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			8	16	17	15	15	17	11	22
.J=Web interview, missing										
.M=Oth missing			3					1		
.R=RF					2	1	1	1	1	3
.S=Skip			39	51	47	39	29	31	24	23
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
1. Poor			739	728	608	499	632	534	451	733
2. Fair			1403	1515	1312	1221	1348	1260	1182	1642
3. Good			4954	5810	5420	5047	5748	5312	4604	5682
4. Very good			3007	3690	3567	3198	3299	3023	2860	3497
5. Excellent			1764	2170	1757	1619	1900	1556	1513	1911

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	21	19	12	8	10	11
.J=Web interview, missing				7	9	4
.M=Oth missing	1					
.R=RF	1				3	2
.S=Skip	27	19	28			
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1. Poor	766	620	705	562	412	406
2. Fair	1625	1498	1714	1357	1221	1088
3. Good	5317	4689	4855	3731	3503	3182
4. Very good	3108	2843	2958	2491	2257	2111
5. Excellent	1618	1324	1507	1202	1062	1036

RwEYEFR: Self-report of far eyesight

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			17	30	30	37	33	38	40	60
.J=Web interview, missing										
.M=Oth missing			2					2		
.R=RF			2	1	1	1	4	1	1	3
.S=Skip			95	100	107	99	78	86	72	54
1. Poor			911	910	918	841	883	814	733	887
2. Fair			1707	2061	1991	1791	1919	1729	1586	2185
3. Good			7320	8422	8089	7567	8612	8172	7283	9096
4. Very good			4803	5950	5486	5111	5295	4920	4770	5934
5. Excellent			3134	3910	2956	2718	3305	2707	2732	3815

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	51	44	42	16	35	35
.J=Web interview, missing				7	19	14
.M=Oth missing	1		1			
.R=RF	4		4	1	6	3
.S=Skip	65	48	53			
1. Poor	823	791	842	742	611	620
2. Fair	2216	2172	2371	1963	1754	1893
3. Good	8732	8011	8800	7076	6427	6418
4. Very good	5456	4959	5322	4506	4403	4195
5. Excellent	3206	2722	3477	2835	2468	2609

SwEYEFR: Self-report of far eyesight

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			3	16	16	14	17	16	8	26
.J=Web interview, missing										
.M=Oth missing			2					1		
.R=RF					1	1	2	1	1	1
.S=Skip			39	51	47	39	29	31	24	23
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
1. Poor			449	436	419	365	394	360	308	391
2. Fair			985	1125	1086	951	1042	919	853	1163
3. Good			4798	5455	5216	4827	5502	5156	4416	5399
4. Very good			3347	4140	3778	3483	3597	3334	3134	3937
5. Excellent			2294	2757	2167	1959	2389	1917	1902	2573

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	21	13	10	8	11	14
.J=Web interview, missing				6	12	10
.M=Oth missing	1					
.R=RF	1		1		1	2
.S=Skip	27	19	28			
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1. Poor	337	339	337	298	237	204
2. Fair	1174	1083	1193	950	817	817
3. Good	5223	4603	4819	3693	3332	3067
4. Very good	3504	3147	3291	2688	2581	2294
5. Excellent	2196	1808	2100	1715	1486	1432

RwEYEGLC: R reports glaucoma tx this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age ineligible			10375	10249	8865	7227	8837	7114	5875	11097
.D=DK/NA			15	20	20	27	37	35	41	48
.J=Web interview, missing										
.M=Oth missing			9			68	195	2	1	
.P=Prv reported, skip				638	450	523	943	1074	1185	1216
.R=RF							1		1	2
0.No			6779	9939	9547	9656	9672	9828	9680	9213
1.Yes			813	538	696	664	444	416	434	458

Value	w11	w12	w13	w14	w15	w16
.A=Age ineligible	9818	8378	10940	8152	6738	6812
.D=DK/NA	34	31	45	29	43	38
.J=Web interview, missing				2	6	5
.M=Oth missing	1		1	1		2
.P=Prv reported, skip	1338	1404	1350	1348	636	1028
.R=RF	1	2	2	1	1	
0.No	8921	8544	8122	7282	7535	7456
1.Yes	441	388	452	331	764	446

SwEYEGLC: S reports glaucoma tx this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age ineligible			7750	7646	6688	5433	6409	5275	4247	7351
.D=DK/NA			1	5	6	10	9	8	14	15
.J=Web interview, missing										
.M=Oth missing			9			56	195	1	1	
.P=Prv reported, skip				270	237	222	429	488	545	536
.R=RF									1	1
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			3770	5776	5496	5574	5695	5748	5627	5382
1.Yes			387	283	303	344	235	215	211	228

Value	w11	w12	w13	w14	w15	w16
.A=Age ineligible	6486	5426	6569	4727	3876	3476
.D=DK/NA	15	12	18	16	20	10
.J=Web interview, missing					4	3
.M=Oth missing	1			1		1
.P=Prv reported, skip	607	620	608	585	246	412
.R=RF		1	1			
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	5183	4741	4359	3878	3989	3718
1.Yes	192	212	224	151	342	220

How Constructed

RwEYERT, RwEYENR, and RwEYEFR are the Respondent's self-reported eyesight (overall), self-reported near vision, and self-reported distance vision, respectively. Respondents are asked to self-report eyesight on a five-point scale with the options: "excellent," "very good," "good," "fair" and "poor." Individuals are asked to rate their eyesight quality under normal circumstances which may include using glasses or corrective lenses. These variables are recoded so that higher scores indicate better eyesight. If a

Respondent volunteers that they are blind, then the Respondent does not provide eyesight ratings, and all three eyesight variable are set to ".S Skip."

RwEYECAT indicates the raw response to the questions regarding whether or not they have had cataract surgery. The exact question wording depends on several factors including whether this is a first interview; the treatment was reported at a prior interview; whether they have reported having surgery on one or both eyes; the Respondent's age; and the person being interviewed is the same as in the prior interview.

RwEYEGLC indicates the raw response to the question regarding whether a doctor has ever treated them for glaucoma.

For both RwEYECAT and RwEYEGLC, if a Respondent is considered age ineligible, the questions are not asked and these variables are set to ".A=Age ineligible." The assignment of this special missing status follows HRS calculation of age at time of interview which may be corrected in subsequent waves.

RwEARAID indicates ever wearing a hearing aid, and RwEARRT indicates a Respondent's self-reported hearing quality. The exact question wording for RwEARRT depends on whether the Respondent reports ever wearing a hearing aid. If they report using a hearing aid, they are asked to report their hearing quality when using a hearing aid as usual.

SwEYERT, SwEARAID, SwEARRT, SwEYECAT, SwEYENR, SwEYEFR, and SwEYEGLC contain this information for the Respondent's spouse or partner.

Cross Wave Differences in Original HRS Data

In Wave 1 (1992), RwEYERT, RwEARAID, and RwEARRT are taken from HRS raw data that include some imputed values. Imputed values are retained.

Questions about self-reported near vision and self-reported distance vision surgery are first asked in Waves 3A (1995) and Wave 3H (1996).

Questions about cataract surgery are first asked in Waves 2A (1993) and 3A and questions about Glaucoma are first asked in Wave 3A and are not age restricted. In Wave 3H, these questions are only asked to Respondents 68 years and older. Respondents who were part of the 3H survey and were not asked these questions due to being younger then 68 are set to ".A=Age ineligible." Starting in Wave 4 (1998), these questions are posed to all Respondents 65 years of age or older.

In Wave 3H, Respondents with a previous cataract surgery are asked if they had a cataract surgery since last interview. From Wave 4 forward, these questions are skipped if a Respondent has ever had cataract surgery in both eyes and from Wave 13 forward, these questions are skipped if a Respondent has ever had cataract surgery in one eye. In these cases, RwEYECAT is set to ".P=Prv reported, skip."

Starting in Wave 14 (2018), Respondents are no longer able to volunteer that they are legally blind in the overall vision question and are asked all vision rating questions.

In Waves 1 and 2H (1994), Respondents were asked if they "use a hearing aid?" In Wave 2A and from Wave 3 forward, Respondents were asked if they "ever wear a hearing aid?"

HRS Variables Used

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HRS 1992:
    AGE             AGE OF R AT INTERVIEW
    V450            B32:SIGHT W/ GLASSES:IMP
    V451            B33:HEARING AID     :IMP
    V453            B34:W/ AID, RATE HEA:IMP
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    V46             R:AGE
AHEAD 1993:
    B288            B15a. RATE CORRECTED EYESIGHT
    B289            B15b. CATARACT SURGERY EVER
    B290            B16. HEARING AID
    B291            B16a. RATE CORRECTED HEARING
HRS 1994:
    W219            A12d. Come to US-Years Ago
    W448            B37.RATE EYESIGHT
    W449            B38.WEAR HEARING AID
    W451            B39.RATE HEARING
AHEAD 1995:
    D121            W1 CATARACT V289
    D900            B16. RATE EYESIGHT
    D901            B16A. RATE DISTAL VISION
    D902            B16B. RATE NEAR VISION
    D903            B16C.CATARACT
    D906            B16F. GLAUCOMA
    D907            B17.WEAR HEARING AID
    D908            B17A. RATE HEARING
HRS 1996:
    E121            PREV WAVE CATARACT V289
    E753            R`S CURRENT AGE
    E900            B16. RATE EYESIGHT
    E901            B16A. RATE DISTAL VISION
    E902            B16B. RATE NEAR VISION
    E903            B16C.CATARACT
    E906            B16F. GLAUCOMA
    E907            B17.WEAR HEARING AID
    E908            B17A. RATE HEARING
HRS 1998:
    F1014           R`S CUR AGE
    F1228           B16. RATE EYESIGHT
    F1229           B16A. RATE DISTAL VISION
    F1230           B16B. RATE NEAR VISION
    F1231           B16C.CATARACT
    F1234           B16F. GLAUCOMA
    F1235           B17.WEAR HEARING AID
    F1236           B17A. RATE HEARING
    F215            PREV WAVE GLAUCOMA
    F216            PREV WAVE HEARING AID
    F242            PREV WAVE CATARACT
HRS 2000:
    G1101           A21Y1.R-CURRENT AGE
    G1361           B16. RATE EYESIGHT
    G1362           B16A. RATE DISTAL VISION
    G1363           B16B. RATE NEAR VISION
    G1364           B16C.CATARACT
    G1367           B16F. GLAUCOMA
    G1368           B17.WEAR HEARING AID
    G1369           B17A. RATE HEARING
    G215            PR215.PREV WAVE GLAUCOMA
    G216            PR216.PREV WAVE HEARING AID
    G242            PR242.PREV WAVE CATARACT
HRS 2002:
    HA009           PROXY/SELF INTERVIEW
    HA010           CURRENT - WAVE PROXY
    HZ095           PREV WAVE IW SELF/PROXY
HRS 2002-2022:
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    xA019           R CURRENT AGE CALCULATION
    xC095           RATE EYESIGHT
    xC096           RATE DISTAL VISION
    xC097           RATE NEAR VISION
    xC098           CATARACT SURGERY
    xC101           GLAUCOMA
    xC102           WEAR HEARING AID
    xC103           RATE HEARING
    xZ089           PREV WAVE R HAS GLAUCOMA
    xZ090           PREV WAVE R USES HEARING AID
    xZ112           PREV WAVE R HAS HAD CATARACTS
HRS 2004-2022:
    xC185           DIFFERENT REPORTER FROM PREV IW
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Pain: Degree and Treatment

Wave	Variable	Label	Type
1	R1PAINTRB	R1PAINTRB:W1 R often troubled with pain	Categ
2	R2PAINTRB	R2PAINTRB:W2 R often troubled with pain	Categ
3	R3PAINTRB	R3PAINTRB:W3 R often troubled with pain	Categ
4	R4PAINTRB	R4PAINTRB:W4 R often troubled with pain	Categ
5	R5PAINTRB	R5PAINTRB:W5 R often troubled with pain	Categ
6	R6PAINTRB	R6PAINTRB:W6 R often troubled with pain	Categ
7	R7PAINTRB	R7PAINTRB:W7 R often troubled with pain	Categ
8	R8PAINTRB	R8PAINTRB:W8 R often troubled with pain	Categ
9	R9PAINTRB	R9PAINTRB:W9 R often troubled with pain	Categ
10	R10PAINTRB	R10PAINTRB:W10 R often troubled with pain	Categ
11	R11PAINTRB	R11PAINTRB:W11 R often troubled with pain	Categ
12	R12PAINTRB	R12PAINTRB:W12 R often troubled with pain	Categ
13	R13PAINTRB	R13PAINTRB:W13 R often troubled with pain	Categ
14	R14PAINTRB	R14PAINTRB:W14 R often troubled with pain	Categ
15	R15PAINTRB	R15PAINTRB:W15 R often troubled with pain	Categ
16	R16PAINTRB	R16PAINTRB:W16 R often troubled with pain	Categ
1	S1PAINTRB	S1PAINTRB:W1 S often troubled with pain	Categ
2	S2PAINTRB	S2PAINTRB:W2 S often troubled with pain	Categ
3	S3PAINTRB	S3PAINTRB:W3 S often troubled with pain	Categ
4	S4PAINTRB	S4PAINTRB:W4 S often troubled with pain	Categ
5	S5PAINTRB	S5PAINTRB:W5 S often troubled with pain	Categ
6	S6PAINTRB	S6PAINTRB:W6 S often troubled with pain	Categ
7	S7PAINTRB	S7PAINTRB:W7 S often troubled with pain	Categ
8	S8PAINTRB	S8PAINTRB:W8 S often troubled with pain	Categ
9	S9PAINTRB	S9PAINTRB:W9 S often troubled with pain	Categ
10	S10PAINTRB	S10PAINTRB:W10 S often troubled with pain	Categ
11	S11PAINTRB	S11PAINTRB:W11 S often troubled with pain	Categ
12	S12PAINTRB	S12PAINTRB:W12 S often troubled with pain	Categ
13	S13PAINTRB	S13PAINTRB:W13 S often troubled with pain	Categ
14	S14PAINTRB	S14PAINTRB:W14 S often troubled with pain	Categ
15	S15PAINTRB	S15PAINTRB:W15 S often troubled with pain	Categ
16	S16PAINTRB	S16PAINTRB:W16 S often troubled with pain	Categ
13	R13PAINMED	R13PAINMED:W13 R taken pain meds last 3 mos	Categ
14	R14PAINMED	R14PAINMED:W14 R taken pain meds last 3 mos	Categ
15	R15PAINMED	R15PAINMED:W15 R taken pain meds last 3 mos	Categ
16	R16PAINMED	R16PAINMED:W16 R taken pain meds last 3 mos	Categ
13	S13PAINMED	S13PAINMED:W13 S taken pain meds last 3 mos	Categ
14	S14PAINMED	S14PAINMED:W14 S taken pain meds last 3 mos	Categ
15	S15PAINMED	S15PAINMED:W15 S taken pain meds last 3 mos	Categ
16	S16PAINMED	S16PAINMED:W16 S taken pain meds last 3 mos	Categ
13	R13PAINOPI	R13PAINOPI:W13 R taken opioids last 3 mos	Categ
14	R14PAINOPI	R14PAINOPI:W14 R taken opioids last 3 mos	Categ
15	R15PAINOPI	R15PAINOPI:W15 R taken opioids last 3 mos	Categ
16	R16PAINOPI	R16PAINOPI:W16 R taken opioids last 3 mos	Categ
13	S13PAINOPI	S13PAINOPI:W13 S taken opioids last 3 mos	Categ
14	S14PAINOPI	S14PAINOPI:W14 S taken opioids last 3 mos	Categ
15	S15PAINOPI	S15PAINOPI:W15 S taken opioids last 3 mos	Categ
16	S16PAINOPI	S16PAINOPI:W16 S taken opioids last 3 mos	Categ
1	R1PAINDEG	R1PAINDEG:W1 R degree of pain	Categ
2	R2PAINDEG	R2PAINDEG:W2 R degree of pain	Categ
3	R3PAINDEG	R3PAINDEG:W3 R degree of pain	Categ
4	R4PAINDEG	R4PAINDEG:W4 R degree of pain	Categ
5	R5PAINDEG	R5PAINDEG:W5 R degree of pain	Categ
6	R6PAINDEG	R6PAINDEG:W6 R degree of pain	Categ
7	R7PAINDEG	R7PAINDEG:W7 R degree of pain	Categ
8	R8PAINDEG	R8PAINDEG:W8 R degree of pain	Categ
9	R9PAINDEG	R9PAINDEG:W9 R degree of pain	Categ
10	R10PAINDEG	R10PAINDEG:W10 R degree of pain	Categ
11	R11PAINDEG	R11PAINDEG:W11 R degree of pain	Categ
12	R12PAINDEG	R12PAINDEG:W12 R degree of pain	Categ

13	R13PAINDEG	R13PAINDEG:W13 R degree of pain	Categ
14	R14PAINDEG	R14PAINDEG:W14 R degree of pain	Categ
15	R15PAINDEG	R15PAINDEG:W15 R degree of pain	Categ
16	R16PAINDEG	R16PAINDEG:W16 R degree of pain	Categ
1	S1PAINDEG	S1PAINDEG:W1 S degree of pain	Categ
2	S2PAINDEG	S2PAINDEG:W2 S degree of pain	Categ
3	S3PAINDEG	S3PAINDEG:W3 S degree of pain	Categ
4	S4PAINDEG	S4PAINDEG:W4 S degree of pain	Categ
5	S5PAINDEG	S5PAINDEG:W5 S degree of pain	Categ
6	S6PAINDEG	S6PAINDEG:W6 S degree of pain	Categ
7	S7PAINDEG	S7PAINDEG:W7 S degree of pain	Categ
8	S8PAINDEG	S8PAINDEG:W8 S degree of pain	Categ
9	S9PAINDEG	S9PAINDEG:W9 S degree of pain	Categ
10	S10PAINDEG	S10PAINDEG:W10 S degree of pain	Categ
11	S11PAINDEG	S11PAINDEG:W11 S degree of pain	Categ
12	S12PAINDEG	S12PAINDEG:W12 S degree of pain	Categ
13	S13PAINDEG	S13PAINDEG:W13 S degree of pain	Categ
14	S14PAINDEG	S14PAINDEG:W14 S degree of pain	Categ
15	S15PAINDEG	S15PAINDEG:W15 S degree of pain	Categ
16	S16PAINDEG	S16PAINDEG:W16 S degree of pain	Categ
1	R1PAINLIM	R1PAINLIM:W1 R pain makes work difficult	Categ
2	R2PAINLIM	R2PAINLIM:W2 R pain makes activities difficult	Categ
3	R3PAINLIM	R3PAINLIM:W3 R pain makes activities difficult	Categ
4	R4PAINLIM	R4PAINLIM:W4 R pain makes activities difficult	Categ
5	R5PAINLIM	R5PAINLIM:W5 R pain makes activities difficult	Categ
6	R6PAINLIM	R6PAINLIM:W6 R pain limits activities	Categ
7	R7PAINLIM	R7PAINLIM:W7 R pain limits activities	Categ
8	R8PAINLIM	R8PAINLIM:W8 R pain limits activities	Categ
9	R9PAINLIM	R9PAINLIM:W9 R pain limits activities	Categ
10	R10PAINLIM	R10PAINLIM:W10 R pain limits activities	Categ
11	R11PAINLIM	R11PAINLIM:W11 R pain limits activities	Categ
12	R12PAINLIM	R12PAINLIM:W12 R pain limits activities	Categ
13	R13PAINLIM	R13PAINLIM:W13 R pain limits activities	Categ
14	R14PAINLIM	R14PAINLIM:W14 R pain limits activities	Categ
15	R15PAINLIM	R15PAINLIM:W15 R pain limits activities	Categ
16	R16PAINLIM	R16PAINLIM:W16 R pain limits activities	Categ
1	S1PAINLIM	S1PAINLIM:W1 S pain makes work difficult	Categ
2	S2PAINLIM	S2PAINLIM:W2 S pain makes activities difficult	Categ
3	S3PAINLIM	S3PAINLIM:W3 S pain makes activities difficult	Categ
4	S4PAINLIM	S4PAINLIM:W4 S pain makes activities difficult	Categ
5	S5PAINLIM	S5PAINLIM:W5 S pain makes activities difficult	Categ
6	S6PAINLIM	S6PAINLIM:W6 S pain limits activities	Categ
7	S7PAINLIM	S7PAINLIM:W7 S pain limits activities	Categ
8	S8PAINLIM	S8PAINLIM:W8 S pain limits activities	Categ
9	S9PAINLIM	S9PAINLIM:W9 S pain limits activities	Categ
10	S10PAINLIM	S10PAINLIM:W10 S pain limits activities	Categ
11	S11PAINLIM	S11PAINLIM:W11 S pain limits activities	Categ
12	S12PAINLIM	S12PAINLIM:W12 S pain limits activities	Categ
13	S13PAINLIM	S13PAINLIM:W13 S pain limits activities	Categ
14	S14PAINLIM	S14PAINLIM:W14 S pain limits activities	Categ
15	S15PAINLIM	S15PAINLIM:W15 S pain limits activities	Categ
16	S16PAINLIM	S16PAINLIM:W16 S pain limits activities	Categ
E	REPAINTRB	REPAINTRB:EXIT Often troubled with pain	Categ
E	REPAINDEG	REPAINDEG:EXIT Severity of pain	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1PAINTRB	12652	0.25	0.43	0.0	1.0
R2PAINTRB	19622	0.30	0.46	0.0	1.0
R3PAINTRB	17971	0.26	0.44	0.0	1.0
R4PAINTRB	21362	0.28	0.45	0.0	1.0
R5PAINTRB	19556	0.29	0.46	0.0	1.0

R6PAINTRB	18133	0.30	0.46	0.0	1.0
R7PAINTRB	20084	0.33	0.47	0.0	1.0
R8PAINTRB	18439	0.34	0.47	0.0	1.0
R9PAINTRB	17195	0.34	0.48	0.0	1.0
R10PAINTRB	22003	0.37	0.48	0.0	1.0
R11PAINTRB	20486	0.36	0.48	0.0	1.0
R12PAINTRB	18673	0.40	0.49	0.0	1.0
R13PAINTRB	20838	0.41	0.49	0.0	1.0
R14PAINTRB	17110	0.42	0.49	0.0	1.0
R15PAINTRB	15622	0.41	0.49	0.0	1.0
R16PAINTRB	15702	0.43	0.50	0.0	1.0
S1PAINTRB	9900	0.24	0.43	0.0	1.0
S2PAINTRB	13077	0.28	0.45	0.0	1.0
S3PAINTRB	11904	0.25	0.43	0.0	1.0
S4PAINTRB	13968	0.27	0.44	0.0	1.0
S5PAINTRB	12719	0.28	0.45	0.0	1.0
S6PAINTRB	11620	0.29	0.45	0.0	1.0
S7PAINTRB	12954	0.32	0.47	0.0	1.0
S8PAINTRB	11719	0.33	0.47	0.0	1.0
S9PAINTRB	10633	0.33	0.47	0.0	1.0
S10PAINTRB	13500	0.35	0.48	0.0	1.0
S11PAINTRB	12452	0.34	0.47	0.0	1.0
S12PAINTRB	10979	0.38	0.49	0.0	1.0
S13PAINTRB	11747	0.39	0.49	0.0	1.0
S14PAINTRB	9342	0.39	0.49	0.0	1.0
S15PAINTRB	8426	0.38	0.49	0.0	1.0
S16PAINTRB	7805	0.40	0.49	0.0	1.0
R13PAINMED	20856	0.70	0.46	0.0	1.0
R14PAINMED	17120	0.66	0.47	0.0	1.0
R15PAINMED	15667	0.65	0.48	0.0	1.0
R16PAINMED	15750	0.68	0.47	0.0	1.0
S13PAINMED	11758	0.71	0.45	0.0	1.0
S14PAINMED	9349	0.67	0.47	0.0	1.0
S15PAINMED	8459	0.66	0.47	0.0	1.0
S16PAINMED	7827	0.69	0.46	0.0	1.0
R13PAINOPI	20532	0.15	0.36	0.0	1.0
R14PAINOPI	16889	0.13	0.33	0.0	1.0
R15PAINOPI	15586	0.11	0.31	0.0	1.0
R16PAINOPI	15553	0.11	0.32	0.0	1.0
S13PAINOPI	11612	0.14	0.34	0.0	1.0
S14PAINOPI	9258	0.12	0.33	0.0	1.0
S15PAINOPI	8427	0.10	0.30	0.0	1.0
S16PAINOPI	7767	0.10	0.31	0.0	1.0
R1PAINDEG	3168	1.71	0.70	1.0	3.0
R2PAINDEG	3088	1.87	0.70	1.0	3.0
R3PAINDEG	4676	1.71	0.66	1.0	3.0
R4PAINDEG	5959	1.92	0.68	1.0	3.0
R5PAINDEG	5711	1.93	0.67	1.0	3.0
R6PAINDEG	5436	1.93	0.66	1.0	3.0
R7PAINDEG	6590	1.91	0.67	1.0	3.0
R8PAINDEG	6289	1.92	0.68	1.0	3.0
R9PAINDEG	5911	1.89	0.66	1.0	3.0
R10PAINDEG	8092	1.91	0.68	1.0	3.0

R11PAINDEG	7318	1.90	0.67	1.0	3.0
R12PAINDEG	7353	1.90	0.67	1.0	3.0
R13PAINDEG	8539	1.92	0.69	1.0	3.0
R14PAINDEG	7074	1.93	0.67	1.0	3.0
R15PAINDEG	6287	1.91	0.66	1.0	3.0
R16PAINDEG	6758	1.91	0.68	1.0	3.0
S1PAINDEG	2391	1.67	0.68	1.0	3.0
S2PAINDEG	2227	1.83	0.69	1.0	3.0
S3PAINDEG	2926	1.69	0.65	1.0	3.0
S4PAINDEG	3743	1.89	0.67	1.0	3.0
S5PAINDEG	3557	1.89	0.67	1.0	3.0
S6PAINDEG	3355	1.89	0.64	1.0	3.0
S7PAINDEG	4186	1.86	0.66	1.0	3.0
S8PAINDEG	3813	1.87	0.67	1.0	3.0
S9PAINDEG	3499	1.83	0.65	1.0	3.0
S10PAINDEG	4722	1.85	0.66	1.0	3.0
S11PAINDEG	4240	1.85	0.65	1.0	3.0
S12PAINDEG	4165	1.85	0.65	1.0	3.0
S13PAINDEG	4544	1.86	0.67	1.0	3.0
S14PAINDEG	3674	1.87	0.66	1.0	3.0
S15PAINDEG	3183	1.85	0.65	1.0	3.0
S16PAINDEG	3135	1.86	0.66	1.0	3.0
R1PAINLIM	3168	0.66	0.47	0.0	1.0
R2PAINLIM	5823	0.61	0.49	0.0	1.0
R3PAINLIM	4709	0.66	0.47	0.0	1.0
R4PAINLIM	5974	0.65	0.48	0.0	1.0
R5PAINLIM	5728	0.64	0.48	0.0	1.0
R6PAINLIM	5438	0.62	0.48	0.0	1.0
R7PAINLIM	6595	0.63	0.48	0.0	1.0
R8PAINLIM	6299	0.65	0.48	0.0	1.0
R9PAINLIM	5916	0.65	0.48	0.0	1.0
R10PAINLIM	8090	0.65	0.48	0.0	1.0
R11PAINLIM	7310	0.66	0.47	0.0	1.0
R12PAINLIM	7327	0.65	0.48	0.0	1.0
R13PAINLIM	8516	0.65	0.48	0.0	1.0
R14PAINLIM	7065	0.65	0.48	0.0	1.0
R15PAINLIM	6261	0.64	0.48	0.0	1.0
R16PAINLIM	6734	0.64	0.48	0.0	1.0
S1PAINLIM	2391	0.62	0.48	0.0	1.0
S2PAINLIM	3641	0.59	0.49	0.0	1.0
S3PAINLIM	2941	0.63	0.48	0.0	1.0
S4PAINLIM	3751	0.62	0.48	0.0	1.0
S5PAINLIM	3568	0.62	0.49	0.0	1.0
S6PAINLIM	3353	0.59	0.49	0.0	1.0
S7PAINLIM	4191	0.58	0.49	0.0	1.0
S8PAINLIM	3818	0.62	0.48	0.0	1.0
S9PAINLIM	3502	0.61	0.49	0.0	1.0
S10PAINLIM	4724	0.62	0.49	0.0	1.0
S11PAINLIM	4247	0.63	0.48	0.0	1.0
S12PAINLIM	4162	0.60	0.49	0.0	1.0
S13PAINLIM	4539	0.61	0.49	0.0	1.0
S14PAINLIM	3666	0.60	0.49	0.0	1.0
S15PAINLIM	3165	0.59	0.49	0.0	1.0
S16PAINLIM	3120	0.59	0.49	0.0	1.0
REPAINTRB	16963	0.58	0.49	0.0	1.0

REPAINDEG	9596	2.26	0.68	1.0	3.0

Categorical Variable Codes

RwPAINTRB: R often troubled with pain

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		18	17	22	20	30	43	26	19	25
.J=Web interview, missing										
.M=Oth missing			2					2		
.R=RF		2	1		2	2	2	2	3	6
0.No	9484	13785	13259	15377	13820	12677	13459	12121	11264	13877
1.Yes	3168	5837	4712	5985	5736	5456	6625	6318	5931	8126

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	62	72	66	25	87	74
.J=Web interview, missing				4	6	6
.M=Oth missing	1		1			3
.R=RF	5	2	7	7	8	2
0.No	13107	11253	12242	10003	9284	8904
1.Yes	7379	7420	8596	7107	6338	6798

SwPAINTRB: S often troubled with pain

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		12	11	12	10	18	18	14	10	10
.J=Web interview, missing										
.M=Oth missing			2					1		
.R=RF		1			1	1		1	3	3
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	7509	9426	8961	10211	9147	8255	8752	7894	7126	8762
1.Yes	2391	3651	2943	3757	3572	3365	4202	3825	3507	4738

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	29	32	29	14	46	29
.J=Web interview, missing				1	1	4
.M=Oth missing	1					1
.R=RF	2	1	3	1	4	1
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	8177	6782	7178	5656	5227	4658
1.Yes	4275	4197	4569	3686	3199	3147

RwPAINMED: R taken pain meds last 3 mos

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			54	21	48	32
.J=Web interview, missing				2	5	4
.M=Oth missing			1			
.R=RF			1	3	3	1
0.No			6265	5848	5434	5017
1.Yes			14591	11272	10233	10733

SwPAINMED: S taken pain meds last 3 mos

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.R=RF										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			21	8	14	10
.J=Web interview, missing				1	3	2
.R=RF					1	1
.U=Unmarried			8024	6678	6193	6541
.V=Spouse NR			1109	1110	1053	1406
0.No			3374	3061	2837	2431
1.Yes			8384	6288	5622	5396

RwPAINOPI: R taken opioids last 3 mos

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.M=Oth missing										
.R=RF										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			374	248	125	227
.J=Web interview, missing				3	8	5
.M=Oth missing			1			
.R=RF			5	6	4	2
0.No			17481	14731	13901	13795
1.Yes			3051	2158	1685	1758

SwPAINOPI: S taken opioids last 3 mos

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.J=Web interview, missing										
.R=RF										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA			166	97	45	68
.J=Web interview, missing				1	4	4
.R=RF			1	2	1	1
.U=Unmarried			8024	6678	6193	6541
.V=Spouse NR			1109	1110	1053	1406
0.No			10025	8126	7567	6959
1.Yes			1587	1132	860	808

RwPAINDEG: R degree of pain

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		8	31	26	24	20	33	29	20	34
.J=Web interview, missing										
.M=Oth missing			3							
.Q=Not asked this wv		8222								
.R=RF		6	2		1		2			
.S=Skip	9484	8318	13279	15399	13842	12709	13504	12151	11286	13908
1.Mild	1363	991	1911	1599	1524	1386	1803	1720	1643	2268
2.Moderate	1347	1503	2216	3209	3081	3044	3608	3355	3255	4270
3.Severe	458	594	549	1151	1106	1006	1179	1214	1013	1554

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	58	63	56	28	43	34
.J=Web interview, missing				2	5	2
.M=Oth missing						1
.Q=Not asked this wv						
.R=RF	3	4	1	3	3	3
.S=Skip	13175	11327	12316	10039	9385	8989
1.Mild	2082	2067	2385	1834	1694	1876
2.Moderate	3921	3981	4460	3878	3468	3596
3.Severe	1315	1305	1694	1362	1125	1286

SwPAINDEG: S degree of pain

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		7	13	14	14	10	14	12	8	16
.J=Web interview, missing										
.M=Oth missing			3							
.Q=Not asked this wv		4549								
.R=RF		5	1		1		2			
.S=Skip	7509	6502	8974	10223	9158	8274	8770	7910	7139	8775
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
1.Mild	1085	757	1209	1062	1012	897	1246	1128	1072	1449
2.Moderate	1012	1091	1409	2028	1919	1924	2297	2056	1937	2537
3.Severe	294	379	308	653	626	534	643	629	490	736

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	34	29	25	8	12	10
.J=Web interview, missing				2	3	
.M=Oth missing						
.Q=Not asked this wv						
.R=RF	1	3		2	1	2
.S=Skip	8209	6815	7210	5672	5278	4693
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Mild	1281	1260	1401	1056	946	933
2.Moderate	2335	2289	2386	2033	1779	1711
3.Severe	624	616	757	585	458	491

RwPAINLIM: R pain limits activities

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		9	3	10	6	14	24	18	14	35
.J=Web interview, missing										
.M=Oth missing										
.R=RF		5		1	2	4	6	1	1	1
.S=Skip,question not asked	9484	13805	13279	15399	13842	12709	13504	12151	11286	13908
0.No	1086	2251	1593	2106	2050	2054	2473	2190	2100	2817
1.Yes	2082	3572	3116	3868	3678	3384	4122	4109	3816	5273

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	69	85	73	34	68	59
.J=Web interview, missing				2	5	1
.M=Oth missing						3
.R=RF		8	7	6	4	1
.S=Skip,question not asked	13175	11327	12316	10039	9385	8989
0.No	2465	2564	2941	2504	2250	2397
1.Yes	4845	4763	5575	4561	4011	4337

SwPAINLIM: S pain limits activities

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		6	2	6	2	10	9	6	4	13
.J=Web interview, missing										
.M=Oth missing										
.R=RF		4			2	2	2	1	1	1
.S=Skip,question not asked	7509	9439	8974	10223	9158	8274	8770	7910	7139	8775
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	899	1479	1091	1409	1351	1372	1747	1439	1377	1792
1.Yes	1492	2162	1850	2342	2217	1981	2444	2379	2125	2932

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	28	34	25	18	30	24
.J=Web interview, missing					1	1
.M=Oth missing						2
.R=RF		1	5	2	3	
.S=Skip,question not asked	8209	6815	7210	5672	5278	4693
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	1558	1651	1757	1450	1299	1270
1.Yes	2689	2511	2782	2216	1866	1850

REPAINTRB: EXIT Often troubled with pain

Value	
.D=DK/NA	308
.M=Oth missing	52
.Q=Not asked this wv	175
.R=RF	3
.T=No stroke since last IW,	211
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	7092
1.Yes	9871

REPAINDEG: EXIT Severity of pain

Value	
.D=DK/NA	273
.M=Oth missing	54
.Q=Not asked this wv	175
.S=Skip	7403
.T=No stroke since last IW,	211
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
1.Mild	1284
2.Moderate	4578
3.Severe	3734

How Constructed

Core Interview Variables

RwPAINTRB indicates whether the Respondent is often troubled by pain.

RwPAINMED indicates whether a Respondent has taken over-the-counter pain medications, such as Advil or Tylenol, in the 3 months prior to their interview.

RwPAINOPI indicates whether the Respondent has taken opioids, such as Vicodin or OxyContin, in the 3 months prior to their interview. Respondents who were unsure if their pain medication was an opioid are recoded as ".D=Don't Know."

RwPAINDEG indicates how severe the pain is most of the time, with response options of "1=Mild," "2=Moderate," or "3=Severe." RwPAINLIM indicates whether the pain makes it difficult for the Respondent to carry out usual activities such as household chores or work. If the Respondent did not respond "1=Yes" to RwPAINTRB, the RwPAINDEG and RwPAINLIM are set to ".S=Skip."

SwPAINTRB, SwPAINMED, SwPAINOPI, SwPAINDEG, and SwPAINLIM provide corresponding information for the Respondent's spouse or partner.

Exit Interview Variables

REPAINTRB indicates whether the Respondent was often troubled by pain in their last year of life.

If REPAINTRB is "1=Yes," then the proxy is asked to rate the Respondent's degree of pain as "1=Mild," "2=Moderate," or "3=Severe" (REPAINDEG). If the proxy did not respond "1=Yes" to REPAINTRB, then REPAINDEG is set to ".S=Skip."

Cross Wave Differences in Original HRS Data

Core Interview Variables

The question used to derive RwPAINDEG is not asked in Wave 2A so R2PAINDEG is set to ".Q=Not asked this wv."

In Wave 1 and Wave 3, there is an additional question that affects the skip pattern for R3PAINDEG which asks, "When the pain is at its worst, is it mild, moderate or severe?" Respondents who reported "Mild" to this question did not receive the question for R3PAINDEG and they are set to "1=Mild."

In Wave 1, the question used to derive RwPAINLIM asks whether the pain makes it difficult for the Respondent to do normal work but does not mention "usual activitues such as household chores" like in later waves.

The questions used to derive RwPAINMED and RwPAINOPI are asked starting in Wave 13.

Exit Interview Variables

These questions were not asked in Wave 2H so REPAINTRB and REPAINDEG are set to ".Q=Not asked this wv."

In Wave 3, the HRS question used to derive REPAINTRB refers to the period from the Respondent's last interview until death, while in all other waves it refers specifically to the last year of life.

In Wave 3H, if the Respondent did not indicate having a stroke (or having another stroke since last interview) then they are not asked the questions used to derive REPAINTRB and REPAINDEG and these variables are set to ".T=No stroke since last IW, not asked (W3H)."

HRS Variables Used

Core Interview Variables

```
HRS 1992:
    V440            B29:FREQ PROBS W/ PA:IMP
    V441            B29A:RATE WORST PAIN:IMP
    V442            B29B:USUAL LEVEL OF :IMP
    V443            B29C:DOES PAIN INTRF:IMP
AHEAD 1993:
    B292            B17. BOTHERED BY PAIN OFTEN
    B293            B17a. PAIN PREVENT ACTIVITY LAST 12 MOS
HRS 1994:
    W437            B34.TROUBLED WITH PAIN
    W438            B34b.SEVERITY OF PAIN
    W439            B34c.DIFFICULT TO WORK
AHEAD 1995:
    D911            B18. PAIN
    D912            B18A. DEGREE PAIN
    D913            B18B. DEGREE PAIN MOST
    D914            B18C. PAIN ACTIVITIES
HRS 1996:
    E911            B18. PAIN
    E912            B18A. DEGREE PAIN: WORST
    E913            B18B. DEGREE PAIN: AVERAGE
    E914            B18C. PAIN ACTIVITIES
HRS 1998:
    F1239           B18. PAIN
    F1241           B18B. DEGREE PAIN MOST
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    F1242           B18C. PAIN ACTIVITIES
HRS 2000:
    G1372           B18.R TROUBLED WITH PAIN
    G1374           B18B. DEGREE PAIN MOST OF TIME
    G1375           B18C. PAIN ACTIVITIES
HRS 2002-2022:
    xC104           TROUBLED WITH PAIN
    xC105           DEGREE PAIN MOST OF TIME
    xC106           DOES PAIN LIMIT ACTIVITIES
HRS 2016-2022:
    xC287           TAKEN PAIN MEDICATIONS PAST 3 MOS
    xC288           TAKEN OPIOIDS PAST 3 MOS
```

Exit Interview Variables

```
AHEAD 1995:
    N911            B18.PAIN
    N912            B18a.DEGREE PAIN
HRS 1996:
    P835            B9. STROKE
    P845            B9j. ANOTHER STROKE-2YR
    P866            B18. PAIN
    P868            B18b. DEGREE PAIN MOST
HRS 1998:
    Q1239           B18. PAIN
    Q1241           B18b. DEGREE PAIN MOST
HRS 2000:
    R1246           B18. PAIN
    R1248           B18b. DEGREE PAIN MOST
HRS 2002-2022:
    xC104           TROUBLED WITH PAIN
    xC105           DEGREE PAIN MOST OF TIME
```

Section F: Mental Health and Cognition

Mental health (CESD score)

Wave	Variable	Label	Type
1	R1DEPREX	R1DEPREX:W1 CESD: Felt depressed-raw	Categ
1	S1DEPREX	S1DEPREX:W1 CESD: Felt depressed-raw	Categ
2	R2DEPRES	R2DEPRES:W2 CESD: Felt depressed	Categ
3	R3DEPRES	R3DEPRES:W3 CESD: Felt depressed	Categ
4	R4DEPRES	R4DEPRES:W4 CESD: Felt depressed	Categ
5	R5DEPRES	R5DEPRES:W5 CESD: Felt depressed	Categ
6	R6DEPRES	R6DEPRES:W6 CESD: Felt depressed	Categ
7	R7DEPRES	R7DEPRES:W7 CESD: Felt depressed	Categ
8	R8DEPRES	R8DEPRES:W8 CESD: Felt depressed	Categ
9	R9DEPRES	R9DEPRES:W9 CESD: Felt depressed	Categ
10	R10DEPRES	R10DEPRES:W10 CESD: Felt depressed	Categ
11	R11DEPRES	R11DEPRES:W11 CESD: Felt depressed	Categ
12	R12DEPRES	R12DEPRES:W12 CESD: Felt depressed	Categ
13	R13DEPRES	R13DEPRES:W13 CESD: Felt depressed	Categ
14	R14DEPRES	R14DEPRES:W14 CESD: Felt depressed	Categ
15	R15DEPRES	R15DEPRES:W15 CESD: Felt depressed	Categ
16	R16DEPRES	R16DEPRES:W16 CESD: Felt depressed	Categ
2	S2DEPRES	S2DEPRES:W2 CESD: Felt depressed	Categ
3	S3DEPRES	S3DEPRES:W3 CESD: Felt depressed	Categ
4	S4DEPRES	S4DEPRES:W4 CESD: Felt depressed	Categ
5	S5DEPRES	S5DEPRES:W5 CESD: Felt depressed	Categ
6	S6DEPRES	S6DEPRES:W6 CESD: Felt depressed	Categ
7	S7DEPRES	S7DEPRES:W7 CESD: Felt depressed	Categ
8	S8DEPRES	S8DEPRES:W8 CESD: Felt depressed	Categ
9	S9DEPRES	S9DEPRES:W9 CESD: Felt depressed	Categ
10	S10DEPRES	S10DEPRES:W10 CESD: Felt depressed	Categ
11	S11DEPRES	S11DEPRES:W11 CESD: Felt depressed	Categ
12	S12DEPRES	S12DEPRES:W12 CESD: Felt depressed	Categ
13	S13DEPRES	S13DEPRES:W13 CESD: Felt depressed	Categ
14	S14DEPRES	S14DEPRES:W14 CESD: Felt depressed	Categ
15	S15DEPRES	S15DEPRES:W15 CESD: Felt depressed	Categ
16	S16DEPRES	S16DEPRES:W16 CESD: Felt depressed	Categ
1	R1EFFORX	R1EFFORX:W1 CESD: Everything an effort-raw	Categ
1	S1EFFORX	S1EFFORX:W1 CESD: Everything an effort-raw	Categ
2	R2EFFORT	R2EFFORT:W2 CESD: Everything an effort	Categ
3	R3EFFORT	R3EFFORT:W3 CESD: Everything an effort	Categ
4	R4EFFORT	R4EFFORT:W4 CESD: Everything an effort	Categ
5	R5EFFORT	R5EFFORT:W5 CESD: Everything an effort	Categ
6	R6EFFORT	R6EFFORT:W6 CESD: Everything an effort	Categ
7	R7EFFORT	R7EFFORT:W7 CESD: Everything an effort	Categ
8	R8EFFORT	R8EFFORT:W8 CESD: Everything an effort	Categ
9	R9EFFORT	R9EFFORT:W9 CESD: Everything an effort	Categ
10	R10EFFORT	R10EFFORT:W10 CESD: Everything an effort	Categ
11	R11EFFORT	R11EFFORT:W11 CESD: Everything an effort	Categ
12	R12EFFORT	R12EFFORT:W12 CESD: Everything an effort	Categ
13	R13EFFORT	R13EFFORT:W13 CESD: Everything an effort	Categ
14	R14EFFORT	R14EFFORT:W14 CESD: Everything an effort	Categ
15	R15EFFORT	R15EFFORT:W15 CESD: Everything an effort	Categ
16	R16EFFORT	R16EFFORT:W16 CESD: Everything an effort	Categ
2	S2EFFORT	S2EFFORT:W2 CESD: Everything an effort	Categ
3	S3EFFORT	S3EFFORT:W3 CESD: Everything an effort	Categ
4	S4EFFORT	S4EFFORT:W4 CESD: Everything an effort	Categ
5	S5EFFORT	S5EFFORT:W5 CESD: Everything an effort	Categ
6	S6EFFORT	S6EFFORT:W6 CESD: Everything an effort	Categ
7	S7EFFORT	S7EFFORT:W7 CESD: Everything an effort	Categ
8	S8EFFORT	S8EFFORT:W8 CESD: Everything an effort	Categ
9	S9EFFORT	S9EFFORT:W9 CESD: Everything an effort	Categ
10	S10EFFORT	S10EFFORT:W10 CESD: Everything an effort	Categ
11	S11EFFORT	S11EFFORT:W11 CESD: Everything an effort	Categ

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12    S12EFFORT           S12EFFORT:W12 CESD: Everything an effort                    Categ
13    S13EFFORT           S13EFFORT:W13 CESD: Everything an effort                    Categ
14    S14EFFORT           S14EFFORT:W14 CESD: Everything an effort                    Categ
15    S15EFFORT           S15EFFORT:W15 CESD: Everything an effort                    Categ
16    S16EFFORT           S16EFFORT:W16 CESD: Everything an effort                    Categ

 1    R1SLEEPX            R1SLEEPX:W1 CESD: Sleep was restless-raw                    Categ

 1    S1SLEEPX            S1SLEEPX:W1 CESD: Sleep was restless-raw                    Categ

 2    R2SLEEPR            R2SLEEPR:W2 CESD: Sleep was restless                        Categ
 3    R3SLEEPR            R3SLEEPR:W3 CESD: Sleep was restless                        Categ
 4    R4SLEEPR            R4SLEEPR:W4 CESD: Sleep was restless                        Categ
 5    R5SLEEPR            R5SLEEPR:W5 CESD: Sleep was restless                        Categ
 6    R6SLEEPR            R6SLEEPR:W6 CESD: Sleep was restless                        Categ
 7    R7SLEEPR            R7SLEEPR:W7 CESD: Sleep was restless                        Categ
 8    R8SLEEPR            R8SLEEPR:W8 CESD: Sleep was restless                        Categ
 9    R9SLEEPR            R9SLEEPR:W9 CESD: Sleep was restless                        Categ
10    R10SLEEPR           R10SLEEPR:W10 CESD: Sleep was restless                      Categ
11    R11SLEEPR           R11SLEEPR:W11 CESD: Sleep was restless                      Categ
12    R12SLEEPR           R12SLEEPR:W12 CESD: Sleep was restless                      Categ
13    R13SLEEPR           R13SLEEPR:W13 CESD: Sleep was restless                      Categ
14    R14SLEEPR           R14SLEEPR:W14 CESD: Sleep was restless                      Categ
15    R15SLEEPR           R15SLEEPR:W15 CESD: Sleep was restless                      Categ
16    R16SLEEPR           R16SLEEPR:W16 CESD: Sleep was restless                      Categ

 2    S2SLEEPR            S2SLEEPR:W2 CESD: Sleep was restless                        Categ
 3    S3SLEEPR            S3SLEEPR:W3 CESD: Sleep was restless                        Categ
 4    S4SLEEPR            S4SLEEPR:W4 CESD: Sleep was restless                        Categ
 5    S5SLEEPR            S5SLEEPR:W5 CESD: Sleep was restless                        Categ
 6    S6SLEEPR            S6SLEEPR:W6 CESD: Sleep was restless                        Categ
 7    S7SLEEPR            S7SLEEPR:W7 CESD: Sleep was restless                        Categ
 8    S8SLEEPR            S8SLEEPR:W8 CESD: Sleep was restless                        Categ
 9    S9SLEEPR            S9SLEEPR:W9 CESD: Sleep was restless                        Categ
10    S10SLEEPR           S10SLEEPR:W10 CESD: Sleep was restless                      Categ
11    S11SLEEPR           S11SLEEPR:W11 CESD: Sleep was restless                      Categ
12    S12SLEEPR           S12SLEEPR:W12 CESD: Sleep was restless                      Categ
13    S13SLEEPR           S13SLEEPR:W13 CESD: Sleep was restless                      Categ
14    S14SLEEPR           S14SLEEPR:W14 CESD: Sleep was restless                      Categ
15    S15SLEEPR           S15SLEEPR:W15 CESD: Sleep was restless                      Categ
16    S16SLEEPR           S16SLEEPR:W16 CESD: Sleep was restless                      Categ

 1    R1WHAPPX            R1WHAPPX:W1 CESD: Was happy-raw                             Categ

 1    S1WHAPPX            S1WHAPPX:W1 CESD: Was happy-raw                             Categ

 2    R2WHAPPY            R2WHAPPY:W2 CESD: Was happy                                 Categ
 3    R3WHAPPY            R3WHAPPY:W3 CESD: Was happy                                 Categ
 4    R4WHAPPY            R4WHAPPY:W4 CESD: Was happy                                 Categ
 5    R5WHAPPY            R5WHAPPY:W5 CESD: Was happy                                 Categ
 6    R6WHAPPY            R6WHAPPY:W6 CESD: Was happy                                 Categ
 7    R7WHAPPY            R7WHAPPY:W7 CESD: Was happy                                 Categ
 8    R8WHAPPY            R8WHAPPY:W8 CESD: Was happy                                 Categ
 9    R9WHAPPY            R9WHAPPY:W9 CESD: Was happy                                 Categ
10    R10WHAPPY           R10WHAPPY:W10 CESD: Was happy                               Categ
11    R11WHAPPY           R11WHAPPY:W11 CESD: Was happy                               Categ
12    R12WHAPPY           R12WHAPPY:W12 CESD: Was happy                               Categ
13    R13WHAPPY           R13WHAPPY:W13 CESD: Was happy                               Categ
14    R14WHAPPY           R14WHAPPY:W14 CESD: Was happy                               Categ
15    R15WHAPPY           R15WHAPPY:W15 CESD: Was happy                               Categ
16    R16WHAPPY           R16WHAPPY:W16 CESD: Was happy                               Categ

 2    S2WHAPPY            S2WHAPPY:W2 CESD: Was happy                                 Categ
 3    S3WHAPPY            S3WHAPPY:W3 CESD: Was happy                                 Categ
 4    S4WHAPPY            S4WHAPPY:W4 CESD: Was happy                                 Categ
 5    S5WHAPPY            S5WHAPPY:W5 CESD: Was happy                                 Categ
 6    S6WHAPPY            S6WHAPPY:W6 CESD: Was happy                                 Categ
 7    S7WHAPPY            S7WHAPPY:W7 CESD: Was happy                                 Categ
 8    S8WHAPPY            S8WHAPPY:W8 CESD: Was happy                                 Categ
 9    S9WHAPPY            S9WHAPPY:W9 CESD: Was happy                                 Categ
10    S10WHAPPY           S10WHAPPY:W10 CESD: Was happy                               Categ
11    S11WHAPPY           S11WHAPPY:W11 CESD: Was happy                               Categ
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12	S12WHAPPY	S12WHAPPY:W12 CESD: Was happy	Categ
13	S13WHAPPY	S13WHAPPY:W13 CESD: Was happy	Categ
14	S14WHAPPY	S14WHAPPY:W14 CESD: Was happy	Categ
15	S15WHAPPY	S15WHAPPY:W15 CESD: Was happy	Categ
16	S16WHAPPY	S16WHAPPY:W16 CESD: Was happy	Categ
1	R1FLONEX	R1FLONEX:W1 CESD: Felt lonely-raw	Categ
1	S1FLONEX	S1FLONEX:W1 CESD: Felt lonely-raw	Categ
2	R2FLONE	R2FLONE:W2 CESD: Felt lonely	Categ
3	R3FLONE	R3FLONE:W3 CESD: Felt lonely	Categ
4	R4FLONE	R4FLONE:W4 CESD: Felt lonely	Categ
5	R5FLONE	R5FLONE:W5 CESD: Felt lonely	Categ
6	R6FLONE	R6FLONE:W6 CESD: Felt lonely	Categ
7	R7FLONE	R7FLONE:W7 CESD: Felt lonely	Categ
8	R8FLONE	R8FLONE:W8 CESD: Felt lonely	Categ
9	R9FLONE	R9FLONE:W9 CESD: Felt lonely	Categ
10	R10FLONE	R10FLONE:W10 CESD: Felt lonely	Categ
11	R11FLONE	R11FLONE:W11 CESD: Felt lonely	Categ
12	R12FLONE	R12FLONE:W12 CESD: Felt lonely	Categ
13	R13FLONE	R13FLONE:W13 CESD: Felt lonely	Categ
14	R14FLONE	R14FLONE:W14 CESD: Felt lonely	Categ
15	R15FLONE	R15FLONE:W15 CESD: Felt lonely	Categ
16	R16FLONE	R16FLONE:W16 CESD: Felt lonely	Categ
2	S2FLONE	S2FLONE:W2 CESD: Felt lonely	Categ
3	S3FLONE	S3FLONE:W3 CESD: Felt lonely	Categ
4	S4FLONE	S4FLONE:W4 CESD: Felt lonely	Categ
5	S5FLONE	S5FLONE:W5 CESD: Felt lonely	Categ
6	S6FLONE	S6FLONE:W6 CESD: Felt lonely	Categ
7	S7FLONE	S7FLONE:W7 CESD: Felt lonely	Categ
8	S8FLONE	S8FLONE:W8 CESD: Felt lonely	Categ
9	S9FLONE	S9FLONE:W9 CESD: Felt lonely	Categ
10	S10FLONE	S10FLONE:W10 CESD: Felt lonely	Categ
11	S11FLONE	S11FLONE:W11 CESD: Felt lonely	Categ
12	S12FLONE	S12FLONE:W12 CESD: Felt lonely	Categ
13	S13FLONE	S13FLONE:W13 CESD: Felt lonely	Categ
14	S14FLONE	S14FLONE:W14 CESD: Felt lonely	Categ
15	S15FLONE	S15FLONE:W15 CESD: Felt lonely	Categ
16	S16FLONE	S16FLONE:W16 CESD: Felt lonely	Categ
1	R1FSADX	R1FSADX:W1 CESD: Felt sad-raw	Categ
1	S1FSADX	S1FSADX:W1 CESD: Felt sad-raw	Categ
2	R2FSAD	R2FSAD:W2 CESD: Felt sad	Categ
3	R3FSAD	R3FSAD:W3 CESD: Felt sad	Categ
4	R4FSAD	R4FSAD:W4 CESD: Felt sad	Categ
5	R5FSAD	R5FSAD:W5 CESD: Felt sad	Categ
6	R6FSAD	R6FSAD:W6 CESD: Felt sad	Categ
7	R7FSAD	R7FSAD:W7 CESD: Felt sad	Categ
8	R8FSAD	R8FSAD:W8 CESD: Felt sad	Categ
9	R9FSAD	R9FSAD:W9 CESD: Felt sad	Categ
10	R10FSAD	R10FSAD:W10 CESD: Felt sad	Categ
11	R11FSAD	R11FSAD:W11 CESD: Felt sad	Categ
12	R12FSAD	R12FSAD:W12 CESD: Felt sad	Categ
13	R13FSAD	R13FSAD:W13 CESD: Felt sad	Categ
14	R14FSAD	R14FSAD:W14 CESD: Felt sad	Categ
15	R15FSAD	R15FSAD:W15 CESD: Felt sad	Categ
16	R16FSAD	R16FSAD:W16 CESD: Felt sad	Categ
2	S2FSAD	S2FSAD:W2 CESD: Felt sad	Categ
3	S3FSAD	S3FSAD:W3 CESD: Felt sad	Categ
4	S4FSAD	S4FSAD:W4 CESD: Felt sad	Categ
5	S5FSAD	S5FSAD:W5 CESD: Felt sad	Categ
6	S6FSAD	S6FSAD:W6 CESD: Felt sad	Categ
7	S7FSAD	S7FSAD:W7 CESD: Felt sad	Categ
8	S8FSAD	S8FSAD:W8 CESD: Felt sad	Categ
9	S9FSAD	S9FSAD:W9 CESD: Felt sad	Categ
10	S10FSAD	S10FSAD:W10 CESD: Felt sad	Categ
11	S11FSAD	S11FSAD:W11 CESD: Felt sad	Categ

12	S12FSAD	S12FSAD:W12 CESD: Felt sad	Categ
13	S13FSAD	S13FSAD:W13 CESD: Felt sad	Categ
14	S14FSAD	S14FSAD:W14 CESD: Felt sad	Categ
15	S15FSAD	S15FSAD:W15 CESD: Felt sad	Categ
16	S16FSAD	S16FSAD:W16 CESD: Felt sad	Categ
1	R1GOINGX	R1GOINGX:W1 CESD: Could not get going -raw	Categ
1	S1GOINGX	S1GOINGX:W1 CESD: Could not get going -raw	Categ
2	R2GOING	R2GOING:W2 CESD: Could not get going	Categ
3	R3GOING	R3GOING:W3 CESD: Could not get going	Categ
4	R4GOING	R4GOING:W4 CESD: Could not get going	Categ
5	R5GOING	R5GOING:W5 CESD: Could not get going	Categ
6	R6GOING	R6GOING:W6 CESD: Could not get going	Categ
7	R7GOING	R7GOING:W7 CESD: Could not get going	Categ
8	R8GOING	R8GOING:W8 CESD: Could not get going	Categ
9	R9GOING	R9GOING:W9 CESD: Could not get going	Categ
10	R10GOING	R10GOING:W10 CESD: Could not get going	Categ
11	R11GOING	R11GOING:W11 CESD: Could not get going	Categ
12	R12GOING	R12GOING:W12 CESD: Could not get going	Categ
13	R13GOING	R13GOING:W13 CESD: Could not get going	Categ
14	R14GOING	R14GOING:W14 CESD: Could not get going	Categ
15	R15GOING	R15GOING:W15 CESD: Could not get going	Categ
16	R16GOING	R16GOING:W16 CESD: Could not get going	Categ
2	S2GOING	S2GOING:W2 CESD: Could not get going	Categ
3	S3GOING	S3GOING:W3 CESD: Could not get going	Categ
4	S4GOING	S4GOING:W4 CESD: Could not get going	Categ
5	S5GOING	S5GOING:W5 CESD: Could not get going	Categ
6	S6GOING	S6GOING:W6 CESD: Could not get going	Categ
7	S7GOING	S7GOING:W7 CESD: Could not get going	Categ
8	S8GOING	S8GOING:W8 CESD: Could not get going	Categ
9	S9GOING	S9GOING:W9 CESD: Could not get going	Categ
10	S10GOING	S10GOING:W10 CESD: Could not get going	Categ
11	S11GOING	S11GOING:W11 CESD: Could not get going	Categ
12	S12GOING	S12GOING:W12 CESD: Could not get going	Categ
13	S13GOING	S13GOING:W13 CESD: Could not get going	Categ
14	S14GOING	S14GOING:W14 CESD: Could not get going	Categ
15	S15GOING	S15GOING:W15 CESD: Could not get going	Categ
16	S16GOING	S16GOING:W16 CESD: Could not get going	Categ
1	R1ENLIFX	R1ENLIFX:W1 CESD: Enjoyed life -raw	Categ
1	S1ENLIFX	S1ENLIFX:W1 CESD: Enjoyed life -raw	Categ
2	R2ENLIFE	R2ENLIFE:W2 CESD: Enjoyed life	Categ
3	R3ENLIFE	R3ENLIFE:W3 CESD: Enjoyed life	Categ
4	R4ENLIFE	R4ENLIFE:W4 CESD: Enjoyed life	Categ
5	R5ENLIFE	R5ENLIFE:W5 CESD: Enjoyed life	Categ
6	R6ENLIFE	R6ENLIFE:W6 CESD: Enjoyed life	Categ
7	R7ENLIFE	R7ENLIFE:W7 CESD: Enjoyed life	Categ
8	R8ENLIFE	R8ENLIFE:W8 CESD: Enjoyed life	Categ
9	R9ENLIFE	R9ENLIFE:W9 CESD: Enjoyed life	Categ
10	R10ENLIFE	R10ENLIFE:W10 CESD: Enjoyed life	Categ
11	R11ENLIFE	R11ENLIFE:W11 CESD: Enjoyed life	Categ
12	R12ENLIFE	R12ENLIFE:W12 CESD: Enjoyed life	Categ
13	R13ENLIFE	R13ENLIFE:W13 CESD: Enjoyed life	Categ
14	R14ENLIFE	R14ENLIFE:W14 CESD: Enjoyed life	Categ
15	R15ENLIFE	R15ENLIFE:W15 CESD: Enjoyed life	Categ
16	R16ENLIFE	R16ENLIFE:W16 CESD: Enjoyed life	Categ
2	S2ENLIFE	S2ENLIFE:W2 CESD: Enjoyed life	Categ
3	S3ENLIFE	S3ENLIFE:W3 CESD: Enjoyed life	Categ
4	S4ENLIFE	S4ENLIFE:W4 CESD: Enjoyed life	Categ
5	S5ENLIFE	S5ENLIFE:W5 CESD: Enjoyed life	Categ
6	S6ENLIFE	S6ENLIFE:W6 CESD: Enjoyed life	Categ
7	S7ENLIFE	S7ENLIFE:W7 CESD: Enjoyed life	Categ
8	S8ENLIFE	S8ENLIFE:W8 CESD: Enjoyed life	Categ
9	S9ENLIFE	S9ENLIFE:W9 CESD: Enjoyed life	Categ
10	S10ENLIFE	S10ENLIFE:W10 CESD: Enjoyed life	Categ
11	S11ENLIFE	S11ENLIFE:W11 CESD: Enjoyed life	Categ

12	S12ENLIFE	S12ENLIFE:W12 CESD: Enjoyed life	Categ
13	S13ENLIFE	S13ENLIFE:W13 CESD: Enjoyed life	Categ
14	S14ENLIFE	S14ENLIFE:W14 CESD: Enjoyed life	Categ
15	S15ENLIFE	S15ENLIFE:W15 CESD: Enjoyed life	Categ
16	S16ENLIFE	S16ENLIFE:W16 CESD: Enjoyed life	Categ
2	R2CESD	R2CESD:W2 CESD score	Cont
3	R3CESD	R3CESD:W3 CESD score	Cont
4	R4CESD	R4CESD:W4 CESD score	Cont
5	R5CESD	R5CESD:W5 CESD score	Cont
6	R6CESD	R6CESD:W6 CESD score	Cont
7	R7CESD	R7CESD:W7 CESD score	Cont
8	R8CESD	R8CESD:W8 CESD score	Cont
9	R9CESD	R9CESD:W9 CESD score	Cont
10	R10CESD	R10CESD:W10 CESD score	Cont
11	R11CESD	R11CESD:W11 CESD score	Cont
12	R12CESD	R12CESD:W12 CESD score	Cont
13	R13CESD	R13CESD:W13 CESD score	Cont
14	R14CESD	R14CESD:W14 CESD score	Cont
15	R15CESD	R15CESD:W15 CESD score	Cont
16	R16CESD	R16CESD:W16 CESD score	Cont
2	S2CESD	S2CESD:W2 CESD score	Cont
3	S3CESD	S3CESD:W3 CESD score	Cont
4	S4CESD	S4CESD:W4 CESD score	Cont
5	S5CESD	S5CESD:W5 CESD score	Cont
6	S6CESD	S6CESD:W6 CESD score	Cont
7	S7CESD	S7CESD:W7 CESD score	Cont
8	S8CESD	S8CESD:W8 CESD score	Cont
9	S9CESD	S9CESD:W9 CESD score	Cont
10	S10CESD	S10CESD:W10 CESD score	Cont
11	S11CESD	S11CESD:W11 CESD score	Cont
12	S12CESD	S12CESD:W12 CESD score	Cont
13	S13CESD	S13CESD:W13 CESD score	Cont
14	S14CESD	S14CESD:W14 CESD score	Cont
15	S15CESD	S15CESD:W15 CESD score	Cont
16	S16CESD	S16CESD:W16 CESD score	Cont
1	R1CESDM	R1CESDM:W1 missings in CESD score	Cont
2	R2CESDM	R2CESDM:W2 missings in CESD score	Cont
3	R3CESDM	R3CESDM:W3 missings in CESD score	Cont
4	R4CESDM	R4CESDM:W4 missings in CESD score	Cont
5	R5CESDM	R5CESDM:W5 missings in CESD score	Cont
6	R6CESDM	R6CESDM:W6 missings in CESD score	Cont
7	R7CESDM	R7CESDM:W7 missings in CESD score	Cont
8	R8CESDM	R8CESDM:W8 missings in CESD score	Cont
9	R9CESDM	R9CESDM:W9 missings in CESD score	Cont
10	R10CESDM	R10CESDM:W10 missings in CESD score	Cont
11	R11CESDM	R11CESDM:W11 missings in CESD score	Cont
12	R12CESDM	R12CESDM:W12 missings in CESD score	Cont
13	R13CESDM	R13CESDM:W13 missings in CESD score	Cont
14	R14CESDM	R14CESDM:W14 missings in CESD score	Cont
15	R15CESDM	R15CESDM:W15 missings in CESD score	Cont
16	R16CESDM	R16CESDM:W16 missings in CESD score	Cont
1	S1CESDM	S1CESDM:W1 missings in CESD score	Cont
2	S2CESDM	S2CESDM:W2 missings in CESD score	Cont
3	S3CESDM	S3CESDM:W3 missings in CESD score	Cont
4	S4CESDM	S4CESDM:W4 missings in CESD score	Cont
5	S5CESDM	S5CESDM:W5 missings in CESD score	Cont
6	S6CESDM	S6CESDM:W6 missings in CESD score	Cont
7	S7CESDM	S7CESDM:W7 missings in CESD score	Cont
8	S8CESDM	S8CESDM:W8 missings in CESD score	Cont
9	S9CESDM	S9CESDM:W9 missings in CESD score	Cont
10	S10CESDM	S10CESDM:W10 missings in CESD score	Cont
11	S11CESDM	S11CESDM:W11 missings in CESD score	Cont
12	S12CESDM	S12CESDM:W12 missings in CESD score	Cont
13	S13CESDM	S13CESDM:W13 missings in CESD score	Cont
14	S14CESDM	S14CESDM:W14 missings in CESD score	Cont
15	S15CESDM	S15CESDM:W15 missings in CESD score	Cont
16	S16CESDM	S16CESDM:W16 missings in CESD score	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DEPREX	12652	3.63	0.66	1.0	4.0
S1DEPREX	9900	3.67	0.62	1.0	4.0
R2DEPRES	18058	0.18	0.38	0.0	1.0
R3DEPRES	16339	0.16	0.37	0.0	1.0
R4DEPRES	19318	0.17	0.38	0.0	1.0
R5DEPRES	17502	0.18	0.38	0.0	1.0
R6DEPRES	16110	0.17	0.38	0.0	1.0
R7DEPRES	18271	0.16	0.37	0.0	1.0
R8DEPRES	17184	0.17	0.37	0.0	1.0
R9DEPRES	16067	0.13	0.34	0.0	1.0
R10DEPRES	20633	0.14	0.34	0.0	1.0
R11DEPRES	19386	0.14	0.35	0.0	1.0
R12DEPRES	17688	0.13	0.34	0.0	1.0
R13DEPRES	19947	0.13	0.34	0.0	1.0
R14DEPRES	16459	0.13	0.34	0.0	1.0
R15DEPRES	14963	0.14	0.34	0.0	1.0
R16DEPRES	15173	0.14	0.34	0.0	1.0
S2DEPRES	11935	0.15	0.35	0.0	1.0
S3DEPRES	10799	0.13	0.33	0.0	1.0
S4DEPRES	12565	0.14	0.35	0.0	1.0
S5DEPRES	11316	0.14	0.35	0.0	1.0
S6DEPRES	10269	0.14	0.35	0.0	1.0
S7DEPRES	11734	0.13	0.34	0.0	1.0
S8DEPRES	10931	0.13	0.34	0.0	1.0
S9DEPRES	9985	0.10	0.31	0.0	1.0
S10DEPRES	12687	0.11	0.31	0.0	1.0
S11DEPRES	11826	0.11	0.32	0.0	1.0
S12DEPRES	10420	0.11	0.31	0.0	1.0
S13DEPRES	11247	0.10	0.30	0.0	1.0
S14DEPRES	8964	0.10	0.30	0.0	1.0
S15DEPRES	8038	0.11	0.31	0.0	1.0
S16DEPRES	7509	0.10	0.30	0.0	1.0
R1EFFORX	12652	3.45	0.84	1.0	4.0
S1EFFORX	9900	3.50	0.80	1.0	4.0
R2EFFORT	18041	0.24	0.43	0.0	1.0
R3EFFORT	16332	0.22	0.42	0.0	1.0
R4EFFORT	19318	0.26	0.44	0.0	1.0
R5EFFORT	17500	0.24	0.43	0.0	1.0
R6EFFORT	16110	0.26	0.44	0.0	1.0
R7EFFORT	18262	0.25	0.43	0.0	1.0
R8EFFORT	17166	0.26	0.44	0.0	1.0
R9EFFORT	16055	0.23	0.42	0.0	1.0
R10EFFORT	20616	0.27	0.45	0.0	1.0
R11EFFORT	19363	0.26	0.44	0.0	1.0
R12EFFORT	17660	0.27	0.44	0.0	1.0
R13EFFORT	19933	0.28	0.45	0.0	1.0
R14EFFORT	16447	0.28	0.45	0.0	1.0
R15EFFORT	14954	0.26	0.44	0.0	1.0
R16EFFORT	15145	0.27	0.44	0.0	1.0

S2EFFORT	11933	0.21	0.41	0.0	1.0
S3EFFORT	10798	0.19	0.39	0.0	1.0
S4EFFORT	12559	0.24	0.42	0.0	1.0
S5EFFORT	11317	0.21	0.41	0.0	1.0
S6EFFORT	10273	0.22	0.42	0.0	1.0
S7EFFORT	11730	0.21	0.41	0.0	1.0
S8EFFORT	10927	0.23	0.42	0.0	1.0
S9EFFORT	9980	0.19	0.40	0.0	1.0
S10EFFORT	12680	0.24	0.43	0.0	1.0
S11EFFORT	11808	0.23	0.42	0.0	1.0
S12EFFORT	10404	0.24	0.42	0.0	1.0
S13EFFORT	11235	0.24	0.43	0.0	1.0
S14EFFORT	8957	0.24	0.43	0.0	1.0
S15EFFORT	8038	0.22	0.41	0.0	1.0
S16EFFORT	7496	0.22	0.41	0.0	1.0
R1SLEEPX	12652	3.33	0.84	1.0	4.0
S1SLEEPX	9900	3.36	0.81	1.0	4.0
R2SLEEPR	18060	0.31	0.46	0.0	1.0
R3SLEEPR	16347	0.28	0.45	0.0	1.0
R4SLEEPR	19322	0.35	0.48	0.0	1.0
R5SLEEPR	17505	0.33	0.47	0.0	1.0
R6SLEEPR	16108	0.28	0.45	0.0	1.0
R7SLEEPR	18269	0.29	0.45	0.0	1.0
R8SLEEPR	17189	0.30	0.46	0.0	1.0
R9SLEEPR	16067	0.32	0.47	0.0	1.0
R10SLEEPR	20626	0.31	0.46	0.0	1.0
R11SLEEPR	19376	0.33	0.47	0.0	1.0
R12SLEEPR	17671	0.31	0.46	0.0	1.0
R13SLEEPR	19927	0.32	0.47	0.0	1.0
R14SLEEPR	16452	0.32	0.47	0.0	1.0
R15SLEEPR	14953	0.31	0.46	0.0	1.0
R16SLEEPR	15162	0.32	0.47	0.0	1.0
S2SLEEPR	11932	0.29	0.45	0.0	1.0
S3SLEEPR	10804	0.26	0.44	0.0	1.0
S4SLEEPR	12563	0.33	0.47	0.0	1.0
S5SLEEPR	11317	0.32	0.47	0.0	1.0
S6SLEEPR	10268	0.26	0.44	0.0	1.0
S7SLEEPR	11733	0.27	0.44	0.0	1.0
S8SLEEPR	10936	0.27	0.45	0.0	1.0
S9SLEEPR	9985	0.31	0.46	0.0	1.0
S10SLEEPR	12685	0.29	0.45	0.0	1.0
S11SLEEPR	11817	0.31	0.46	0.0	1.0
S12SLEEPR	10411	0.29	0.45	0.0	1.0
S13SLEEPR	11234	0.29	0.46	0.0	1.0
S14SLEEPR	8963	0.30	0.46	0.0	1.0
S15SLEEPR	8036	0.28	0.45	0.0	1.0
S16SLEEPR	7494	0.30	0.46	0.0	1.0
R1WHAPPX	12652	1.91	0.80	1.0	4.0
S1WHAPPX	9900	1.85	0.77	1.0	4.0
R2WHAPPY	18031	0.88	0.32	0.0	1.0
R3WHAPPY	16325	0.89	0.32	0.0	1.0
R4WHAPPY	19316	0.86	0.34	0.0	1.0

R5WHAPPY	17494	0.87	0.33	0.0	1.0
R6WHAPPY	16094	0.87	0.33	0.0	1.0
R7WHAPPY	18227	0.87	0.34	0.0	1.0
R8WHAPPY	17156	0.86	0.34	0.0	1.0
R9WHAPPY	16058	0.86	0.34	0.0	1.0
R10WHAPPY	20594	0.85	0.36	0.0	1.0
R11WHAPPY	19345	0.86	0.35	0.0	1.0
R12WHAPPY	17645	0.86	0.35	0.0	1.0
R13WHAPPY	19902	0.86	0.35	0.0	1.0
R14WHAPPY	16423	0.86	0.35	0.0	1.0
R15WHAPPY	14946	0.84	0.36	0.0	1.0
R16WHAPPY	15140	0.85	0.35	0.0	1.0
S2WHAPPY	11921	0.90	0.29	0.0	1.0
S3WHAPPY	10792	0.91	0.29	0.0	1.0
S4WHAPPY	12560	0.89	0.31	0.0	1.0
S5WHAPPY	11311	0.90	0.31	0.0	1.0
S6WHAPPY	10266	0.90	0.30	0.0	1.0
S7WHAPPY	11712	0.89	0.31	0.0	1.0
S8WHAPPY	10917	0.89	0.31	0.0	1.0
S9WHAPPY	9983	0.89	0.31	0.0	1.0
S10WHAPPY	12669	0.88	0.33	0.0	1.0
S11WHAPPY	11802	0.88	0.32	0.0	1.0
S12WHAPPY	10396	0.89	0.32	0.0	1.0
S13WHAPPY	11231	0.89	0.31	0.0	1.0
S14WHAPPY	8951	0.89	0.31	0.0	1.0
S15WHAPPY	8040	0.87	0.33	0.0	1.0
S16WHAPPY	7499	0.89	0.31	0.0	1.0
R1FLONEX	12652	3.70	0.62	1.0	4.0
S1FLONEX	9900	3.78	0.53	1.0	4.0
R2FLONE	18065	0.16	0.36	0.0	1.0
R3FLONE	16342	0.16	0.37	0.0	1.0
R4FLONE	19322	0.18	0.38	0.0	1.0
R5FLONE	17502	0.18	0.39	0.0	1.0
R6FLONE	16108	0.18	0.39	0.0	1.0
R7FLONE	18271	0.17	0.38	0.0	1.0
R8FLONE	17183	0.18	0.38	0.0	1.0
R9FLONE	16064	0.16	0.37	0.0	1.0
R10FLONE	20631	0.17	0.38	0.0	1.0
R11FLONE	19383	0.17	0.38	0.0	1.0
R12FLONE	17677	0.17	0.38	0.0	1.0
R13FLONE	19944	0.17	0.38	0.0	1.0
R14FLONE	16457	0.16	0.37	0.0	1.0
R15FLONE	14970	0.18	0.39	0.0	1.0
R16FLONE	15172	0.18	0.38	0.0	1.0
S2FLONE	11935	0.08	0.28	0.0	1.0
S3FLONE	10803	0.09	0.29	0.0	1.0
S4FLONE	12564	0.11	0.31	0.0	1.0
S5FLONE	11315	0.11	0.31	0.0	1.0
S6FLONE	10269	0.10	0.29	0.0	1.0
S7FLONE	11736	0.10	0.30	0.0	1.0
S8FLONE	10932	0.10	0.30	0.0	1.0
S9FLONE	9985	0.09	0.29	0.0	1.0
S10FLONE	12687	0.10	0.31	0.0	1.0
S11FLONE	11826	0.10	0.30	0.0	1.0

S12FLONE	10419	0.10	0.31	0.0	1.0
S13FLONE	11246	0.10	0.30	0.0	1.0
S14FLONE	8962	0.09	0.29	0.0	1.0
S15FLONE	8047	0.10	0.31	0.0	1.0
S16FLONE	7506	0.10	0.30	0.0	1.0
R1FSADX	12652	3.60	0.62	1.0	4.0
S1FSADX	9900	3.64	0.58	1.0	4.0
R2FSAD	18055	0.17	0.38	0.0	1.0
R3FSAD	16340	0.16	0.37	0.0	1.0
R4FSAD	19318	0.20	0.40	0.0	1.0
R5FSAD	17501	0.22	0.41	0.0	1.0
R6FSAD	16107	0.21	0.41	0.0	1.0
R7FSAD	18265	0.21	0.40	0.0	1.0
R8FSAD	17177	0.20	0.40	0.0	1.0
R9FSAD	16061	0.18	0.38	0.0	1.0
R10FSAD	20628	0.19	0.39	0.0	1.0
R11FSAD	19373	0.20	0.40	0.0	1.0
R12FSAD	17664	0.19	0.39	0.0	1.0
R13FSAD	19937	0.20	0.40	0.0	1.0
R14FSAD	16436	0.19	0.39	0.0	1.0
R15FSAD	14957	0.21	0.40	0.0	1.0
R16FSAD	15155	0.21	0.41	0.0	1.0
S2FSAD	11929	0.13	0.34	0.0	1.0
S3FSAD	10800	0.13	0.34	0.0	1.0
S4FSAD	12561	0.17	0.37	0.0	1.0
S5FSAD	11316	0.18	0.38	0.0	1.0
S6FSAD	10268	0.17	0.38	0.0	1.0
S7FSAD	11732	0.17	0.37	0.0	1.0
S8FSAD	10928	0.16	0.37	0.0	1.0
S9FSAD	9981	0.14	0.35	0.0	1.0
S10FSAD	12687	0.15	0.36	0.0	1.0
S11FSAD	11815	0.15	0.36	0.0	1.0
S12FSAD	10410	0.15	0.36	0.0	1.0
S13FSAD	11242	0.16	0.37	0.0	1.0
S14FSAD	8948	0.15	0.35	0.0	1.0
S15FSAD	8040	0.17	0.37	0.0	1.0
S16FSAD	7501	0.16	0.37	0.0	1.0
R1GOINGX	12652	3.48	0.74	1.0	4.0
S1GOINGX	9900	3.51	0.72	1.0	4.0
R2GOING	18044	0.21	0.41	0.0	1.0
R3GOING	16335	0.19	0.40	0.0	1.0
R4GOING	19310	0.23	0.42	0.0	1.0
R5GOING	17500	0.22	0.42	0.0	1.0
R6GOING	16103	0.23	0.42	0.0	1.0
R7GOING	18247	0.21	0.41	0.0	1.0
R8GOING	17167	0.22	0.41	0.0	1.0
R9GOING	16051	0.20	0.40	0.0	1.0
R10GOING	20576	0.21	0.41	0.0	1.0
R11GOING	19321	0.21	0.41	0.0	1.0
R12GOING	17627	0.21	0.40	0.0	1.0
R13GOING	19889	0.20	0.40	0.0	1.0
R14GOING	16404	0.20	0.40	0.0	1.0

R15GOING	14916	0.20	0.40	0.0	1.0
R16GOING	15131	0.18	0.38	0.0	1.0
S2GOING	11928	0.18	0.38	0.0	1.0
S3GOING	10798	0.17	0.37	0.0	1.0
S4GOING	12556	0.21	0.41	0.0	1.0
S5GOING	11315	0.20	0.40	0.0	1.0
S6GOING	10265	0.20	0.40	0.0	1.0
S7GOING	11720	0.18	0.39	0.0	1.0
S8GOING	10926	0.18	0.39	0.0	1.0
S9GOING	9974	0.18	0.38	0.0	1.0
S10GOING	12662	0.19	0.39	0.0	1.0
S11GOING	11784	0.18	0.38	0.0	1.0
S12GOING	10386	0.18	0.38	0.0	1.0
S13GOING	11219	0.16	0.37	0.0	1.0
S14GOING	8938	0.17	0.37	0.0	1.0
S15GOING	8026	0.17	0.38	0.0	1.0
S16GOING	7492	0.15	0.35	0.0	1.0
R1ENLIFX	12652	1.62	0.77	1.0	4.0
S1ENLIFX	9900	1.59	0.73	1.0	4.0
R2ENLIFE	18034	0.92	0.26	0.0	1.0
R3ENLIFE	16329	0.93	0.25	0.0	1.0
R4ENLIFE	19310	0.92	0.28	0.0	1.0
R5ENLIFE	17495	0.92	0.27	0.0	1.0
R6ENLIFE	16101	0.93	0.26	0.0	1.0
R7ENLIFE	18254	0.92	0.27	0.0	1.0
R8ENLIFE	17174	0.92	0.28	0.0	1.0
R9ENLIFE	16049	0.91	0.28	0.0	1.0
R10ENLIFE	20617	0.91	0.29	0.0	1.0
R11ENLIFE	19350	0.91	0.29	0.0	1.0
R12ENLIFE	17669	0.90	0.29	0.0	1.0
R13ENLIFE	19927	0.91	0.29	0.0	1.0
R14ENLIFE	16430	0.91	0.29	0.0	1.0
R15ENLIFE	14956	0.89	0.31	0.0	1.0
R16ENLIFE	15149	0.91	0.29	0.0	1.0
S2ENLIFE	11923	0.94	0.24	0.0	1.0
S3ENLIFE	10796	0.94	0.23	0.0	1.0
S4ENLIFE	12558	0.93	0.25	0.0	1.0
S5ENLIFE	11315	0.93	0.25	0.0	1.0
S6ENLIFE	10270	0.94	0.23	0.0	1.0
S7ENLIFE	11727	0.94	0.25	0.0	1.0
S8ENLIFE	10925	0.93	0.25	0.0	1.0
S9ENLIFE	9979	0.93	0.25	0.0	1.0
S10ENLIFE	12687	0.93	0.26	0.0	1.0
S11ENLIFE	11811	0.93	0.26	0.0	1.0
S12ENLIFE	10416	0.93	0.26	0.0	1.0
S13ENLIFE	11236	0.93	0.26	0.0	1.0
S14ENLIFE	8949	0.93	0.26	0.0	1.0
S15ENLIFE	8044	0.91	0.28	0.0	1.0
S16ENLIFE	7500	0.93	0.26	0.0	1.0
R2CESD	18066	1.46	2.00	0.0	8.0
R3CESD	16347	1.36	1.90	0.0	8.0
R4CESD	19329	1.62	1.95	0.0	8.0
R5CESD	17508	1.58	1.93	0.0	8.0

R6CESD	16125	1.54	1.98	0.0	8.0
R7CESD	18283	1.50	1.99	0.0	8.0
R8CESD	17198	1.54	2.01	0.0	8.0
R9CESD	16075	1.45	1.98	0.0	8.0
R10CESD	20647	1.53	2.04	0.0	8.0
R11CESD	19400	1.54	2.05	0.0	8.0
R12CESD	17696	1.52	2.05	0.0	8.0
R13CESD	19965	1.54	2.03	0.0	8.0
R14CESD	16479	1.50	2.01	0.0	8.0
R15CESD	14998	1.55	2.04	0.0	8.0
R16CESD	15196	1.54	2.02	0.0	8.0
S2CESD	11934	1.19	1.81	0.0	8.0
S3CESD	10804	1.12	1.73	0.0	8.0
S4CESD	12568	1.37	1.80	0.0	8.0
S5CESD	11318	1.32	1.79	0.0	8.0
S6CESD	10278	1.25	1.79	0.0	8.0
S7CESD	11742	1.24	1.82	0.0	8.0
S8CESD	10938	1.26	1.82	0.0	8.0
S9CESD	9989	1.19	1.78	0.0	8.0
S10CESD	12692	1.27	1.86	0.0	8.0
S11CESD	11830	1.27	1.86	0.0	8.0
S12CESD	10422	1.26	1.86	0.0	8.0
S13CESD	11251	1.24	1.81	0.0	8.0
S14CESD	8972	1.23	1.81	0.0	8.0
S15CESD	8057	1.26	1.86	0.0	8.0
S16CESD	7516	1.20	1.79	0.0	8.0
R1CESDM	12652	0.04	0.50	0.0	8.0
R2CESDM	19642	0.65	2.17	0.0	8.0
R3CESDM	17991	0.74	2.31	0.0	8.0
R4CESDM	21384	0.77	2.36	0.0	8.0
R5CESDM	19578	0.85	2.46	0.0	8.0
R6CESDM	18165	0.91	2.53	0.0	8.0
R7CESDM	20129	0.74	2.31	0.0	8.0
R8CESDM	18469	0.56	2.03	0.0	8.0
R9CESDM	17217	0.54	1.99	0.0	8.0
R10CESDM	22034	0.52	1.94	0.0	8.0
R11CESDM	20554	0.46	1.84	0.0	8.0
R12CESDM	18747	0.46	1.84	0.0	8.0
R13CESDM	20912	0.38	1.67	0.0	8.0
R14CESDM	17146	0.33	1.55	0.0	8.0
R15CESDM	15723	0.39	1.68	0.0	8.0
R16CESDM	15787	0.32	1.53	0.0	8.0
S1CESDM	9900	0.05	0.53	0.0	8.0
S2CESDM	13090	0.71	2.27	0.0	8.0
S3CESDM	11917	0.75	2.33	0.0	8.0
S4CESDM	13980	0.81	2.41	0.0	8.0
S5CESDM	12730	0.89	2.51	0.0	8.0
S6CESDM	11639	0.94	2.57	0.0	8.0
S7CESDM	12972	0.77	2.35	0.0	8.0
S8CESDM	11735	0.55	2.02	0.0	8.0
S9CESDM	10646	0.50	1.93	0.0	8.0
S10CESDM	13513	0.49	1.91	0.0	8.0
S11CESDM	12484	0.43	1.78	0.0	8.0
S12CESDM	11012	0.44	1.80	0.0	8.0
S13CESDM	11779	0.37	1.66	0.0	8.0
S14CESDM	9358	0.35	1.60	0.0	8.0

S15CESDM	8477	0.41	1.74	0.0	8.0
S16CESDM	7840	0.35	1.60	0.0	8.0

Categorical Variable Codes

R1DEPREX: CESD: Felt depressed-raw

Value	w1
1.All or almost all	298
2.Most of the time	371
3.Some of the time	3090
4.None or almost none	8893

S1DEPREX: CESD: Felt depressed-raw

Value	w1
.U=Unmarried	2373
.V=Spouse NR	379
1.All or almost all	186
2.Most of the time	237
3.Some of the time	2252
4.None or almost none	7225

RwDEPRES: CESD: Felt depressed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		13	7	5	6	15	9	13	9	13
.J=Web interview, missing										
.M=Oth missing			2	9	6		36	3		3
.R=RF		6	3	9	2	4	11	9	1	3
.S=Skip,question not asked		1565	1640	2043	2062	2036	1802	1260	1140	1382
0.No		14805	13749	15946	14378	13291	15329	14316	13941	17800
1.Yes		3253	2590	3372	3124	2819	2942	2868	2126	2833

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	14	9	12	12	17	8
.J=Web interview, missing				5	16	12
.M=Oth missing	1		1		1	4
.R=RF	7	1	11	7	5	5
.S=Skip,question not asked	1146	1049	941	663	721	585
0.No	16649	15312	17258	14324	12912	13097
1.Yes	2737	2376	2689	2135	2051	2076

SwDEPRES: CESD: Felt depressed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		4	4	1	3	9	5	5	4	4
.J=Web interview, missing										
.M=Oth missing			2	3	1		23	1		3
.R=RF		2	1	4		2	7	6		2
.S=Skip,question not asked		1149	1111	1407	1410	1359	1203	792	657	817
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.No		10204	9428	10757	9716	8834	10213	9482	8945	11295
1.Yes		1731	1371	1808	1600	1435	1521	1449	1040	1392

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	4	3	2	5	8	
.J=Web interview, missing				2	10	6
.M=Oth missing	1				1	1
.R=RF	4		4	3	1	4
.S=Skip,question not asked	649	589	526	384	419	320
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	10501	9309	10086	8064	7191	6736
1.Yes	1325	1111	1161	900	847	773

R1EFFORX: CESD: Everything an effort-raw

Value	w1
1.All or almost all	626
2.Most of the time	971
3.Some of the time	3090
4.None or almost none	7965

S1EFFORX: CESD: Everything an effort-raw

Value	w1
.U=Unmarried	2373
.V=Spouse NR	379
1.All or almost all	429
2.Most of the time	658
3.Some of the time	2359
4.None or almost none	6454

RwEFFORT: CESD: Everything an effort

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		27	14	9	7	13	17	29	19	27
.J=Web interview, missing										
.M=Oth missing			1	11	7		36	3		3
.R=RF		9	4	3	2	6	12	11	3	6
.S=Skip,question not asked		1565	1640	2043	2062	2036	1802	1260	1140	1382
0.No		13689	12693	14244	13303	11953	13771	12652	12397	14973
1.Yes		4352	3639	5074	4197	4157	4491	4514	3658	5643

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	33	34	26	18	20	27
.J=Web interview, missing				11	20	16
.M=Oth missing	1		1		1	7
.R=RF	11	4	11	7	7	7
.S=Skip,question not asked	1146	1049	941	663	721	585
0.No	14290	12907	14369	11892	11138	11099
1.Yes	5073	4753	5564	4555	3816	4046

SwEFFORT: CESD: Everything an effort

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		6	6	7	1	5	8	9	8	10
.J=Web interview, missing										
.M=Oth missing			1	5	1		23	1		3
.R=RF		2	1	2	1	2	8	6	1	3
.S=Skip,question not asked		1149	1111	1407	1410	1359	1203	792	657	817
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.No		9454	8711	9604	8922	7974	9213	8393	8043	9648
1.Yes		2479	2087	2955	2395	2299	2517	2534	1937	3032

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	18	18	13	8	11	10
.J=Web interview, missing				6	8	8
.M=Oth missing	1				1	3
.R=RF	8	1	5	3		3
.S=Skip,question not asked	649	589	526	384	419	320
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	9126	7945	8489	6801	6305	5870
1.Yes	2682	2459	2746	2156	1733	1626

R1SLEEPX: CESD: Sleep was restless-raw

Value	w1
1.All or almost all	692
2.Most of the time	1011
3.Some of the time	4400
4.None or almost none	6549

S1SLEEPX: CESD: Sleep was restless-raw

Value	w1
.U=Unmarried	2373
.V=Spouse NR	379
1.All or almost all	471
2.Most of the time	733
3.Some of the time	3503
4.None or almost none	5193

RwSLEEPR: CESD: Sleep was restless

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		15		3	3	15	11	11	9	20
.J=Web interview, missing										
.M=Oth missing			1	12	6		36	3		3
.R=RF		2	3	4	2	6	11	6	1	3
.S=Skip,question not asked		1565	1640	2043	2062	2036	1802	1260	1140	1382
0.No		12460	11833	12613	11683	11592	12954	12111	10878	14241
1.Yes		5600	4514	6709	5822	4516	5315	5078	5189	6385

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	24	25	38	16	21	15
.J=Web interview, missing				11	18	15
.M=Oth missing	1		1		1	6
.R=RF	7	2	5	4	9	4
.S=Skip,question not asked	1146	1049	941	663	721	585
0.No	12980	12143	13582	11197	10346	10241
1.Yes	6396	5528	6345	5255	4607	4921

SwSLEEPR: CESD: Sleep was restless

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		8		2	1	9	6	2	4	7
.J=Web interview, missing										
.M=Oth missing			1	6	1		23	1		3
.R=RF		1	1	2	1	3	7	4		1
.S=Skip,question not asked		1149	1111	1407	1410	1359	1203	792	657	817
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.No		8528	8012	8430	7736	7581	8566	7936	6928	9042
1.Yes		3404	2792	4133	3581	2687	3167	3000	3057	3643

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	12	11	18	6	8	6
.J=Web interview, missing				4	9	11
.M=Oth missing	1				1	5
.R=RF	5	1	1	1	4	4
.S=Skip,question not asked	649	589	526	384	419	320
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	8171	7374	7940	6309	5794	5283
1.Yes	3646	3037	3294	2654	2242	2211

R1WHAPPX: CESD: Was happy-raw

Value	w1
1.All or almost all	4265
2.Most of the time	5747
3.Some of the time	2200
4.None or almost none	440

S1WHAPPX: CESD: Was happy-raw

Value	w1
.U=Unmarried	2373
.V=Spouse NR	379
1.All or almost all	3510
2.Most of the time	4578
3.Some of the time	1551
4.None or almost none	261

RwWHAPPY: CESD: Was happy

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		39	16	7	12	28	47	38	17	44
.J=Web interview, missing										
.M=Oth missing			4	14	7		36	3		3
.R=RF		7	6	4	3	7	17	12	2	11
.S=Skip,question not asked		1565	1640	2043	2062	2036	1802	1260	1140	1382
0.No		2119	1825	2616	2210	2048	2397	2324	2172	3068
1.Yes		15912	14500	16700	15284	14046	15830	14832	13886	17526

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	52	47	58	30	33	34
.J=Web interview, missing				18	14	11
.M=Oth missing	1		1		1	8
.R=RF	10	6	10	12	8	9
.S=Skip,question not asked	1146	1049	941	663	721	585
0.No	2791	2537	2839	2286	2341	2200
1.Yes	16554	15108	17063	14137	12605	12940

SwWHAPPY: CESD: Was happy

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		16	8	4	7	11	24	17	6	18
.J=Web interview, missing										
.M=Oth missing			4	6	1		23	1		3
.R=RF		4	2	3	1	3	10	8		6
.S=Skip,question not asked		1149	1111	1407	1410	1359	1203	792	657	817
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.No		1141	993	1387	1184	1051	1284	1181	1085	1530
1.Yes		10780	9799	11173	10127	9215	10428	9736	8898	11139

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	27	24	19	10	11	9
.J=Web interview, missing				9	5	5
.M=Oth missing	1				1	2
.R=RF	5	3	3	4	1	5
.S=Skip,question not asked	649	589	526	384	419	320
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	1361	1189	1220	976	1026	813
1.Yes	10441	9207	10011	7975	7014	6686

R1FLONEX: CESD: Felt lonely-raw

Value	w1
1.All or almost all	249
2.Most of the time	358
3.Some of the time	2377
4.None or almost none	9668

S1FLONEX: CESD: Felt lonely-raw

Value	w1
.U=Unmarried	2373
.V=Spouse NR	379
1.All or almost all	111
2.Most of the time	179
3.Some of the time	1530
4.None or almost none	8080

RwFLONE: CESD: Felt lonely

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	8	3	2	6	15	7	14	11	14	
.J=Web interview, missing										
.M=Oth missing		2	14	6		36	3		3	
.R=RF	4	4	3	2	6	13	9	2	4	
.S=Skip,question not asked	1565	1640	2043	2062	2036	1802	1260	1140	1382	
0.No	15235	13742	15864	14280	13182	15075	14139	13479	17110	
1.Yes	2830	2600	3458	3222	2926	3196	3044	2585	3521	

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	16	18	21	12	11	11
.J=Web interview, missing				8	19	6
.M=Oth missing	1		1			7
.R=RF	8	3	5	6	2	6
.S=Skip,question not asked	1146	1049	941	663	721	585
0.No	16013	14629	16466	13751	12260	12498
1.Yes	3370	3048	3478	2706	2710	2674

SwFLONE: CESD: Felt lonely

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	4		1	3	9	3	4	4	4	
.J=Web interview, missing										
.M=Oth missing			2	6	1		23	1		3
.R=RF		2	1	2	1	2	7	6		2
.S=Skip,question not asked		1149	1111	1407	1410	1359	1203	792	657	817
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.No		10935	9819	11229	10106	9281	10543	9802	9090	11363
1.Yes		1000	984	1335	1209	988	1193	1130	895	1324

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	4	4	6	5	3	5
.J=Web interview, missing				5	8	2
.M=Oth missing	1					4
.R=RF	4		1	2		3
.S=Skip,question not asked	649	589	526	384	419	320
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	10605	9332	10107	8112	7208	6752
1.Yes	1221	1087	1139	850	839	754

R1FSADX: CESD: Felt sad-raw

Value	w1
1.All or almost all	202
2.Most of the time	345
3.Some of the time	3752
4.None or almost none	8353

S1FSADX: CESD: Felt sad-raw

Value	w1
.U=Unmarried	2373
.V=Spouse NR	379
1.All or almost all	107
2.Most of the time	228
3.Some of the time	2770
4.None or almost none	6795

RwFSAD: CESD: Felt sad

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	14	4	4	7	15	13	21	15	16	
.J=Web interview, missing										
.M=Oth missing		4	15	6		36	3		3	
.R=RF	8	3	4	2	7	13	8	1	5	
.S=Skip,question not asked	1565	1640	2043	2062	2036	1802	1260	1140	1382	
0.No	14936	13646	15415	13733	12693	14497	13719	13155	16660	
1.Yes	3119	2694	3903	3768	3414	3768	3458	2906	3968	

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	24	29	27	14	19	14
.J=Web interview, missing				25	22	18
.M=Oth missing	1		1			9
.R=RF	10	5	6	8	4	6
.S=Skip,question not asked	1146	1049	941	663	721	585
0.No	15559	14281	15913	13369	11868	11898
1.Yes	3814	3383	4024	3067	3089	3257

SwFSAD: CESD: Felt sad

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	7	2	2	2	9	6	8	8	5	
.J=Web interview, missing										
.M=Oth missing		3	7	1		23	1		3	
.R=RF	5	1	3	1	3	8	6		1	
.S=Skip,question not asked	1149	1111	1407	1410	1359	1203	792	657	817	
.U=Unmarried	5968	5657	6868	6537	6306	6777	6417	6206	7797	
.V=Spouse NR	584	417	536	311	220	380	317	365	724	
0.No	10340	9392	10476	9311	8522	9779	9189	8573	10745	
1.Yes	1589	1408	2085	2005	1746	1953	1739	1408	1942	

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	14	12	10	7	6	3
.J=Web interview, missing				16	12	10
.M=Oth missing	1					3
.R=RF	5	1	1	3		3
.S=Skip,question not asked	649	589	526	384	419	320
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	9987	8811	9461	7641	6681	6266
1.Yes	1828	1599	1781	1307	1359	1235

R1GOINGX: CESD: Could not get going -raw

Value	w1
1.All or almost all	412
2.Most of the time	640
3.Some of the time	4037
4.None or almost none	7563

S1GOINGX: CESD: Could not get going -raw

Value	w1
.U=Unmarried	2373
.V=Spouse NR	379
1.All or almost all	286
2.Most of the time	441
3.Some of the time	3129
4.None or almost none	6044

RwGOING: CESD: Could not get going

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		28	10	11	7	18	30	30	24	63
.J=Web interview, missing										
.M=Oth missing			1	16	7		36	3		3
.R=RF		5	5	4	2	8	14	9	2	10
.S=Skip,question not asked		1565	1640	2043	2062	2036	1802	1260	1140	1382
0.No		14202	13174	14796	13609	12405	14371	13463	12797	16284
1.Yes		3842	3161	4514	3891	3698	3876	3704	3254	4292

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	77	66	63	55	62	43
.J=Web interview, missing				11	14	10
.M=Oth missing	1		1			9
.R=RF	9	5	18	13	10	9
.S=Skip,question not asked	1146	1049	941	663	721	585
0.No	15318	14011	16004	13167	11968	12393
1.Yes	4003	3616	3885	3237	2948	2738

SwGOING: CESD: Could not get going

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	12	5	6	3	11	17	10	14	27	
.J=Web interview, missing										
.M=Oth missing		1	8	1		23	1		3	
.R=RF	1	2	3	1	4	9	6	1	4	
.S=Skip,question not asked	1149	1111	1407	1410	1359	1203	792	657	817	
.U=Unmarried	5968	5657	6868	6537	6306	6777	6417	6206	7797	
.V=Spouse NR	584	417	536	311	220	380	317	365	724	
0.No	9773	8988	9879	9045	8198	9566	8915	8211	10316	
1.Yes	2155	1810	2677	2270	2067	2154	2011	1763	2346	

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	44	35	30	23	22	14
.J=Web interview, missing				9	6	6
.M=Oth missing	1					4
.R=RF	6	2	4	4	4	4
.S=Skip,question not asked	649	589	526	384	419	320
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	9675	8523	9371	7426	6654	6392
1.Yes	2109	1863	1848	1512	1372	1100

R1ENLIFX: CESD: Enjoyed life -raw

Value	w1
1.All or almost all	6680
2.Most of the time	4359
3.Some of the time	1307
4.None or almost none	306

S1ENLIFX: CESD: Enjoyed life -raw

Value	w1
.U=Unmarried	2373
.V=Spouse NR	379
1.All or almost all	5372
2.Most of the time	3433
3.Some of the time	913
4.None or almost none	182

RwENLIFE: CESD: Enjoyed life

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	39	13	12	10	21	23	21	25	22	
.J=Web interview, missing										
.M=Oth missing		3	15	7		36	3		3	
.R=RF	4	6	4	4	7	14	11	3	10	
.S=Skip,question not asked	1565	1640	2043	2062	2036	1802	1260	1140	1382	
0.No	1359	1131	1595	1386	1174	1460	1434	1390	1920	
1.Yes	16675	15198	17715	16109	14927	16794	15740	14659	18697	

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	45	26	31	23	25	16
.J=Web interview, missing				20	16	18
.M=Oth missing	1		1			9
.R=RF	12	3	12	10	5	10
.S=Skip,question not asked	1146	1049	941	663	721	585
0.No	1769	1688	1861	1539	1620	1427
1.Yes	17581	15981	18066	14891	13336	13722

SwENLIFE: CESD: Enjoyed life

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	15	7	5	2	8	11	10	10	5	
.J=Web interview, missing										
.M=Oth missing		2	7	1		23	1		3	
.R=RF	3	1	3	2	2	8	7		1	
.S=Skip,question not asked	1149	1111	1407	1410	1359	1203	792	657	817	
.U=Unmarried	5968	5657	6868	6537	6306	6777	6417	6206	7797	
.V=Spouse NR	584	417	536	311	220	380	317	365	724	
0.No	731	628	861	749	586	754	721	672	935	
1.Yes	11192	10168	11697	10566	9684	10973	10204	9307	11752	

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	16	7	16	11	6	4
.J=Web interview, missing				10	8	9
.M=Oth missing	1					2
.R=RF	7		1	4		5
.S=Skip,question not asked	649	589	526	384	419	320
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	833	769	791	643	694	536
1.Yes	10978	9647	10445	8306	7350	6964

How Constructed

RwDEPRES, RwEFFORT, RwSLEEPR, RwWHAPPY, RwFLONE, RwFSAD, RwGOING, and RwENLIFE are yes/no indicators of the Respondent's feelings much of the time over the week prior to the interview. RwCESD is a summary of these measures. RwCESDM indicates how many individual measures used to derive RwCESD are missing.

SwDEPRES, SwEFFORT, SwSLEEPR, SwWHAPPY, SwFLONE, SwFSAD, SwGOING, SwENLIFE, SwCESD, and SwCESDM are this information for the Respondent's spouse or partner.

To make consistent measures across waves, yes/no dummy variables were derived. In all except Wave 1, the question has a "yes" or "no" response to whether the Respondent felt a certain way "much of the time." The questions are not asked to proxy Respondents and the variables are set to .S=Skip, question not asked.

For Wave 1, the response could be one of four categories: "all or almost all of the time," "most of the time," "some of the time," or "none or almost none of the time." The measures in this wave are not recoded to 0/1 (no/yes), but are recoded to the 4-point scale. These measures were imputed by HRS if missing in Wave 1, and the imputations were used. Because the Wave 1 variables are very different from those in other waves, the variables are named differently, i.e., they are R1DEPREX, R1EFFORX, R1SLEEPX, R1WHAPPX, R1FLONEX, R1FSADX, R1GOINGX, and R1ENLIFX. The spouse measures are called S1DEPREX, S1EFFORX, S1SLEEPX, S1WHAPPX, S1FLONEX, S1FSADX, S1GOINGX, and S1ENLIFX.

It appears "much of the time" in later waves is somewhere between "some" and "most" of the time in Wave 1. Another variable in the HRS (but not on this file) rates overall emotional health, and is asked in Waves 1 and 2H. A possible means for making these measures more consistent between Wave 1 and the rest of the waves is to use those who gave the same emotional health in both Waves 1 and 2H, comparing their answers of "some" and "yes" by level of emotional health.

RwCESD is the sum of RwDEPRES, RwEFFORT, RwSLEEPR, (1-RwWHAPPY), RwFLONE, RwFSAD, RwGOING, and (1-RwENLIFE). Thus the higher the score, the more negative the Respondent's feelings in the past week. The input variables are not asked to proxy Respondents and RwCESD is set to .S in these cases. RwCESDM counts the number of missing values among the individual measures. In Wave 1 the R1CESD summary measure is not included; R1CESDM counts the number of imputed values used among the Wave 1 measures.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3CESD is taken from the Wave 3 spouse's R3CESD.

Cross Wave Differences in Original HRS Data

In each wave questions ask about the Respondent's feelings in the past week. The wording of the questions varies slightly across waves.

In Wave 1, the questions begin:

"Please tell me how often you have experienced the following feelings during the past week-all or almost all of the time, most of the time, some of the time, or none or almost none of the time. During the past week..."

A series of statements follow and the Respondent answers with one of the four frequencies listed in the question.

From Wave 2 forward, the questions start:

"Now think about the past week and the feelings you have experienced. Please tell me if each of the following was true for you much of the time this past week. Much of the time during the past week ..."

A series of statements follow to which the Respondent can answer "yes" or "no." Note that the responses given in Wave 1 are very different and not very comparable to those given in later waves.

The statements are similar across waves. They state that the Respondent felt depressed, felt that everything they did was an effort, sleep was restless, could not get going, felt lonely, enjoyed life, felt sad, and was happy.

HRS Variables Used

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HRS 1992:
    V10519          B44A:DEPRESSION     :IND
    V10520          B44B:EVERYTHING TIRI:IND
    V10521          B44C:RESTLESS SLEEP :IND
    V10522          B44D:HAPPINESS      :IND
    V10523          B44E:LONLINESS      :IND
    V10525          B44G:ENJOYED LIFE   :IND
    V10526          B44H:SADNESS        :IND
    V10528          B44K:CAN'T  GET GOIN:IND
    V519            B44A:DEPRESSION     :IMP
    V520            B44B:EVERYTHING TIRI:IMP
    V521            B44C:RESTLESS SLEEP :IMP
    V522            B44D:HAPPINESS      :IMP
    V523            B44E:LONLINESS      :IMP
    V525            B44G:ENJOYED LIFE   :IMP
    V526            B44H:SADNESS        :IMP
    V528            B44K:CAN T  GET GOIN:IMP
AHEAD 1993:
    B307            B24. CESD DEPRESSED PAST WEEK
    B309            B24a. CESD EFFORT PAST WEEK
    B310            B24b. CESD SLEEP PAST WEEK
    B311            B24c. CESD HAPPY PAST WEEK
    B312            B24d. CESD LONELY PAST WEEK
    B314            B24f. CESD ENJOY LIFE PAST WEEK
    B315            B24g. CESD SAD PAST WEEK
    B316            B24h. CESD NOT GET GOING PAST WEEK
HRS 1994:
    W465            B46a.FELT DEPRESSED
    W466            B46b.EVERYTHING AN EFFOR
    W467            B46c.SLEEP RESTLESS
    W468            B46d.COULD NOT GET GOING
    W469            B46e.FELT LONELY
    W470            B46f.ENJOY LIFE
    W471            B46g.FELT SAD
    W472            B46h.HAPPY
AHEAD 1995:
    D1001           B24H. CESD GOING
    D985            B24. CESD DEPRESSED
    D987            B24A. CESD EFFORT
    D989            B24B. CESD SLEEP
    D991            B24C. CESD HAPPY
    D993            B24D. CESD LONELY
    D995            B24E. CESD ENJOY LIFE
    D999            B24G. CESD SAD
HRS 1996:
    E985            B24. CESD DEPRESSED
    E986            B24A. CESD EFFORT
    E987            B24B. CESD SLEEP
    E988            B24C. CESD HAPPY
    E989            B24D. CESD LONELY
    E990            B24E. CESD ENJOY LIFE
    E991            B24G. CESD SAD
    E992            B24H. CESD GOING
HRS 1998:
    F1493           C5.  CESD DEPRESSED
    F1494           C5A.  CESD EFFORT
    F1495           C5B.  CESD SLEEP
    F1496           C5C.  CESD HAPPY
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    F1497           C5D.  CESD LONELY
    F1498           C5E.  CESD ENJOY LIFE
    F1499           C5G.  CESD SAD
    F1500           CFH.  CESD GOING
HRS 2000:
    G1669           C5.  CESD DEPRESSED
    G1670           C5A.  CESD EFFORT
    G1671           C5B.  CESD SLEEP
    G1672           C5C.  CESD HAPPY
    G1673           C5D.  CESD LONELY
    G1674           C5E.  CESD ENJOY LIFE
    G1675           C5G.  CESD SAD
    G1676           CFH.  CESD GOING
HRS 2002-2022:
    xD110           FEELING DEPRESSED W/IN PREV WK
    xD111           FELT ACTIVITIES WERE EFFORTS
    xD112           WAS SLEEP RESTLESS W/IN PREV WK
    xD113           WAS R HAPPY W/IN PREV WK
    xD114           LONELINESS FELT W/IN PREV WK
    xD115           ENJOYED LIFE W/IN PREV WK
    xD116           FELT SAD W/IN PREV WK
    xD117           FELT UNMOTIVATED W/IN PREV WK
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Depression and Anhedonia: Depression and Anhedonia related symptoms

Wave	Variable	Label	Type
3	R3DEPYR	R3DEPYR:W3 Depression: R depression in past year	Categ
4	R4DEPYR	R4DEPYR:W4 Depression: R depression in past year	Categ
5	R5DEPYR	R5DEPYR:W5 Depression: R depression in past year	Categ
6	R6DEPYR	R6DEPYR:W6 Depression: R depression in past year	Categ
7	R7DEPYR	R7DEPYR:W7 Depression: R depression in past year	Categ
8	R8DEPYR	R8DEPYR:W8 Depression: R depression in past year	Categ
9	R9DEPYR	R9DEPYR:W9 Depression: R depression in past year	Categ
10	R10DEPYR	R10DEPYR:W10 Depression: R depression in past year	Categ
11	R11DEPYR	R11DEPYR:W11 Depression: R depression in past year	Categ
12	R12DEPYR	R12DEPYR:W12 Depression: R depression in past year	Categ
13	R13DEPYR	R13DEPYR:W13 Depression: R depression in past year	Categ
14	R14DEPYR	R14DEPYR:W14 Depression: R depression in past year	Categ
15	R15DEPYR	R15DEPYR:W15 Depression: R depression in past year	Categ
16	R16DEPYR	R16DEPYR:W16 Depression: R depression in past year	Categ
3	S3DEPYR	S3DEPYR:W3 Depression: S depression in past year	Categ
4	S4DEPYR	S4DEPYR:W4 Depression: S depression in past year	Categ
5	S5DEPYR	S5DEPYR:W5 Depression: S depression in past year	Categ
6	S6DEPYR	S6DEPYR:W6 Depression: S depression in past year	Categ
7	S7DEPYR	S7DEPYR:W7 Depression: S depression in past year	Categ
8	S8DEPYR	S8DEPYR:W8 Depression: S depression in past year	Categ
9	S9DEPYR	S9DEPYR:W9 Depression: S depression in past year	Categ
10	S10DEPYR	S10DEPYR:W10 Depression: S depression in past year	Categ
11	S11DEPYR	S11DEPYR:W11 Depression: S depression in past year	Categ
12	S12DEPYR	S12DEPYR:W12 Depression: S depression in past year	Categ
13	S13DEPYR	S13DEPYR:W13 Depression: S depression in past year	Categ
14	S14DEPYR	S14DEPYR:W14 Depression: S depression in past year	Categ
15	S15DEPYR	S15DEPYR:W15 Depression: S depression in past year	Categ
16	S16DEPYR	S16DEPYR:W16 Depression: S depression in past year	Categ
3	R3DEPPOR	R3DEPPOR:W3 Depression: R depressed what portion of day	Categ
4	R4DEPPOR	R4DEPPOR:W4 Depression: R depressed what portion of day	Categ
5	R5DEPPOR	R5DEPPOR:W5 Depression: R depressed what portion of day	Categ
6	R6DEPPOR	R6DEPPOR:W6 Depression: R depressed what portion of day	Categ
7	R7DEPPOR	R7DEPPOR:W7 Depression: R depressed what portion of day	Categ
8	R8DEPPOR	R8DEPPOR:W8 Depression: R depressed what portion of day	Categ
9	R9DEPPOR	R9DEPPOR:W9 Depression: R depressed what portion of day	Categ
10	R10DEPPOR	R10DEPPOR:W10 Depression: R depressed what portion of day	Categ
11	R11DEPPOR	R11DEPPOR:W11 Depression: R depressed what portion of day	Categ
12	R12DEPPOR	R12DEPPOR:W12 Depression: R depressed what portion of day	Categ
13	R13DEPPOR	R13DEPPOR:W13 Depression: R depressed what portion of day	Categ
14	R14DEPPOR	R14DEPPOR:W14 Depression: R depressed what portion of day	Categ
15	R15DEPPOR	R15DEPPOR:W15 Depression: R depressed what portion of day	Categ
16	R16DEPPOR	R16DEPPOR:W16 Depression: R depressed what portion of day	Categ
3	S3DEPPOR	S3DEPPOR:W3 Depression: S depressed what portion of day	Categ
4	S4DEPPOR	S4DEPPOR:W4 Depression: S depressed what portion of day	Categ
5	S5DEPPOR	S5DEPPOR:W5 Depression: S depressed what portion of day	Categ
6	S6DEPPOR	S6DEPPOR:W6 Depression: S depressed what portion of day	Categ
7	S7DEPPOR	S7DEPPOR:W7 Depression: S depressed what portion of day	Categ
8	S8DEPPOR	S8DEPPOR:W8 Depression: S depressed what portion of day	Categ
9	S9DEPPOR	S9DEPPOR:W9 Depression: S depressed what portion of day	Categ
10	S10DEPPOR	S10DEPPOR:W10 Depression: S depressed what portion of day	Categ
11	S11DEPPOR	S11DEPPOR:W11 Depression: S depressed what portion of day	Categ
12	S12DEPPOR	S12DEPPOR:W12 Depression: S depressed what portion of day	Categ
13	S13DEPPOR	S13DEPPOR:W13 Depression: S depressed what portion of day	Categ
14	S14DEPPOR	S14DEPPOR:W14 Depression: S depressed what portion of day	Categ
15	S15DEPPOR	S15DEPPOR:W15 Depression: S depressed what portion of day	Categ
16	S16DEPPOR	S16DEPPOR:W16 Depression: S depressed what portion of day	Categ
3	R3DEPEVD	R3DEPEVD:W3 Depression: R depressed every day	Categ
4	R4DEPEVD	R4DEPEVD:W4 Depression: R depressed every day	Categ
5	R5DEPEVD	R5DEPEVD:W5 Depression: R depressed every day	Categ
6	R6DEPEVD	R6DEPEVD:W6 Depression: R depressed every day	Categ
7	R7DEPEVD	R7DEPEVD:W7 Depression: R depressed every day	Categ
8	R8DEPEVD	R8DEPEVD:W8 Depression: R depressed every day	Categ

9	R9DEPEVD	R9DEPEVD:W9 Depression: R depressed every day	Categ
10	R10DEPEVD	R10DEPEVD:W10 Depression: R depressed every day	Categ
11	R11DEPEVD	R11DEPEVD:W11 Depression: R depressed every day	Categ
12	R12DEPEVD	R12DEPEVD:W12 Depression: R depressed every day	Categ
13	R13DEPEVD	R13DEPEVD:W13 Depression: R depressed every day	Categ
14	R14DEPEVD	R14DEPEVD:W14 Depression: R depressed every day	Categ
15	R15DEPEVD	R15DEPEVD:W15 Depression: R depressed every day	Categ
16	R16DEPEVD	R16DEPEVD:W16 Depression: R depressed every day	Categ
3	S3DEPEVD	S3DEPEVD:W3 Depression: S depressed every day	Categ
4	S4DEPEVD	S4DEPEVD:W4 Depression: S depressed every day	Categ
5	S5DEPEVD	S5DEPEVD:W5 Depression: S depressed every day	Categ
6	S6DEPEVD	S6DEPEVD:W6 Depression: S depressed every day	Categ
7	S7DEPEVD	S7DEPEVD:W7 Depression: S depressed every day	Categ
8	S8DEPEVD	S8DEPEVD:W8 Depression: S depressed every day	Categ
9	S9DEPEVD	S9DEPEVD:W9 Depression: S depressed every day	Categ
10	S10DEPEVD	S10DEPEVD:W10 Depression: S depressed every day	Categ
11	S11DEPEVD	S11DEPEVD:W11 Depression: S depressed every day	Categ
12	S12DEPEVD	S12DEPEVD:W12 Depression: S depressed every day	Categ
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14	S14DEPEVD	S14DEPEVD:W14 Depression: S depressed every day	Categ
15	S15DEPEVD	S15DEPEVD:W15 Depression: S depressed every day	Categ
16	S16DEPEVD	S16DEPEVD:W16 Depression: S depressed every day	Categ
3	R3DEPLOS	R3DEPLOS:W3 Depression: R loss of interest	Categ
4	R4DEPLOS	R4DEPLOS:W4 Depression: R loss of interest	Categ
5	R5DEPLOS	R5DEPLOS:W5 Depression: R loss of interest	Categ
6	R6DEPLOS	R6DEPLOS:W6 Depression: R loss of interest	Categ
7	R7DEPLOS	R7DEPLOS:W7 Depression: R loss of interest	Categ
8	R8DEPLOS	R8DEPLOS:W8 Depression: R loss of interest	Categ
9	R9DEPLOS	R9DEPLOS:W9 Depression: R loss of interest	Categ
10	R10DEPLOS	R10DEPLOS:W10 Depression: R loss of interest	Categ
11	R11DEPLOS	R11DEPLOS:W11 Depression: R loss of interest	Categ
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13	R13DEPLOS	R13DEPLOS:W13 Depression: R loss of interest	Categ
14	R14DEPLOS	R14DEPLOS:W14 Depression: R loss of interest	Categ
15	R15DEPLOS	R15DEPLOS:W15 Depression: R loss of interest	Categ
16	R16DEPLOS	R16DEPLOS:W16 Depression: R loss of interest	Categ
3	S3DEPLOS	S3DEPLOS:W3 Depression: S loss of interest	Categ
4	S4DEPLOS	S4DEPLOS:W4 Depression: S loss of interest	Categ
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14	S14DEPLOS	S14DEPLOS:W14 Depression: S loss of interest	Categ
15	S15DEPLOS	S15DEPLOS:W15 Depression: S loss of interest	Categ
16	S16DEPLOS	S16DEPLOS:W16 Depression: S loss of interest	Categ
3	R3DEPTIR	R3DEPTIR:W3 Depression: R feeling tired	Categ
4	R4DEPTIR	R4DEPTIR:W4 Depression: R feeling tired	Categ
5	R5DEPTIR	R5DEPTIR:W5 Depression: R feeling tired	Categ
6	R6DEPTIR	R6DEPTIR:W6 Depression: R feeling tired	Categ
7	R7DEPTIR	R7DEPTIR:W7 Depression: R feeling tired	Categ
8	R8DEPTIR	R8DEPTIR:W8 Depression: R feeling tired	Categ
9	R9DEPTIR	R9DEPTIR:W9 Depression: R feeling tired	Categ
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9	S9DEPTIR	S9DEPTIR:W9 Depression: S feeling tired	Categ
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11	S11DEPTIR	S11DEPTIR:W11 Depression: S feeling tired	Categ
12	S12DEPTIR	S12DEPTIR:W12 Depression: S feeling tired	Categ
13	S13DEPTIR	S13DEPTIR:W13 Depression: S feeling tired	Categ
14	S14DEPTIR	S14DEPTIR:W14 Depression: S feeling tired	Categ
15	S15DEPTIR	S15DEPTIR:W15 Depression: S feeling tired	Categ
16	S16DEPTIR	S16DEPTIR:W16 Depression: S feeling tired	Categ
3	R3DEPNOAP	R3DEPNOAP:W3 Depression: R lose appetite	Categ
4	R4DEPNOAP	R4DEPNOAP:W4 Depression: R lose appetite	Categ
5	R5DEPNOAP	R5DEPNOAP:W5 Depression: R lose appetite	Categ
6	R6DEPNOAP	R6DEPNOAP:W6 Depression: R lose appetite	Categ
7	R7DEPNOAP	R7DEPNOAP:W7 Depression: R lose appetite	Categ
8	R8DEPNOAP	R8DEPNOAP:W8 Depression: R lose appetite	Categ
9	R9DEPNOAP	R9DEPNOAP:W9 Depression: R lose appetite	Categ
10	R10DEPNOAP	R10DEPNOAP:W10 Depression: R lose appetite	Categ
11	R11DEPNOAP	R11DEPNOAP:W11 Depression: R lose appetite	Categ
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16	R16DEPNOAP	R16DEPNOAP:W16 Depression: R lose appetite	Categ
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4	S4DEPNOAP	S4DEPNOAP:W4 Depression: S lose appetite	Categ
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9	S9DEPNOAP	S9DEPNOAP:W9 Depression: S lose appetite	Categ
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13	S13DEPNOAP	S13DEPNOAP:W13 Depression: S lose appetite	Categ
14	S14DEPNOAP	S14DEPNOAP:W14 Depression: S lose appetite	Categ
15	S15DEPNOAP	S15DEPNOAP:W15 Depression: S lose appetite	Categ
16	S16DEPNOAP	S16DEPNOAP:W16 Depression: S lose appetite	Categ
3	R3DEPHUN	R3DEPHUN:W3 Depression: R appetite increased	Categ
4	R4DEPHUN	R4DEPHUN:W4 Depression: R appetite increased	Categ
5	R5DEPHUN	R5DEPHUN:W5 Depression: R appetite increased	Categ
6	R6DEPHUN	R6DEPHUN:W6 Depression: R appetite increased	Categ
7	R7DEPHUN	R7DEPHUN:W7 Depression: R appetite increased	Categ
8	R8DEPHUN	R8DEPHUN:W8 Depression: R appetite increased	Categ
9	R9DEPHUN	R9DEPHUN:W9 Depression: R appetite increased	Categ
10	R10DEPHUN	R10DEPHUN:W10 Depression: R appetite increased	Categ
11	R11DEPHUN	R11DEPHUN:W11 Depression: R appetite increased	Categ
12	R12DEPHUN	R12DEPHUN:W12 Depression: R appetite increased	Categ
13	R13DEPHUN	R13DEPHUN:W13 Depression: R appetite increased	Categ
14	R14DEPHUN	R14DEPHUN:W14 Depression: R appetite increased	Categ
15	R15DEPHUN	R15DEPHUN:W15 Depression: R appetite increased	Categ
16	R16DEPHUN	R16DEPHUN:W16 Depression: R appetite increased	Categ
3	S3DEPHUN	S3DEPHUN:W3 Depression: S appetite increased	Categ
4	S4DEPHUN	S4DEPHUN:W4 Depression: S appetite increased	Categ
5	S5DEPHUN	S5DEPHUN:W5 Depression: S appetite increased	Categ
6	S6DEPHUN	S6DEPHUN:W6 Depression: S appetite increased	Categ
7	S7DEPHUN	S7DEPHUN:W7 Depression: S appetite increased	Categ
8	S8DEPHUN	S8DEPHUN:W8 Depression: S appetite increased	Categ
9	S9DEPHUN	S9DEPHUN:W9 Depression: S appetite increased	Categ
10	S10DEPHUN	S10DEPHUN:W10 Depression: S appetite increased	Categ
11	S11DEPHUN	S11DEPHUN:W11 Depression: S appetite increased	Categ
12	S12DEPHUN	S12DEPHUN:W12 Depression: S appetite increased	Categ
13	S13DEPHUN	S13DEPHUN:W13 Depression: S appetite increased	Categ
14	S14DEPHUN	S14DEPHUN:W14 Depression: S appetite increased	Categ
15	S15DEPHUN	S15DEPHUN:W15 Depression: S appetite increased	Categ
16	S16DEPHUN	S16DEPHUN:W16 Depression: S appetite increased	Categ

3	R3DEPSLE	R3DEPSLE:W3 Depression: R trouble falling asleep	Categ
4	R4DEPSLE	R4DEPSLE:W4 Depression: R trouble falling asleep	Categ
5	R5DEPSLE	R5DEPSLE:W5 Depression: R trouble falling asleep	Categ
6	R6DEPSLE	R6DEPSLE:W6 Depression: R trouble falling asleep	Categ
7	R7DEPSLE	R7DEPSLE:W7 Depression: R trouble falling asleep	Categ
8	R8DEPSLE	R8DEPSLE:W8 Depression: R trouble falling asleep	Categ
9	R9DEPSLE	R9DEPSLE:W9 Depression: R trouble falling asleep	Categ
10	R10DEPSLE	R10DEPSLE:W10 Depression: R trouble falling asleep	Categ
11	R11DEPSLE	R11DEPSLE:W11 Depression: R trouble falling asleep	Categ
12	R12DEPSLE	R12DEPSLE:W12 Depression: R trouble falling asleep	Categ
13	R13DEPSLE	R13DEPSLE:W13 Depression: R trouble falling asleep	Categ
14	R14DEPSLE	R14DEPSLE:W14 Depression: R trouble falling asleep	Categ
15	R15DEPSLE	R15DEPSLE:W15 Depression: R trouble falling asleep	Categ
16	R16DEPSLE	R16DEPSLE:W16 Depression: R trouble falling asleep	Categ
3	S3DEPSLE	S3DEPSLE:W3 Depression: S trouble falling asleep	Categ
4	S4DEPSLE	S4DEPSLE:W4 Depression: S trouble falling asleep	Categ
5	S5DEPSLE	S5DEPSLE:W5 Depression: S trouble falling asleep	Categ
6	S6DEPSLE	S6DEPSLE:W6 Depression: S trouble falling asleep	Categ
7	S7DEPSLE	S7DEPSLE:W7 Depression: S trouble falling asleep	Categ
8	S8DEPSLE	S8DEPSLE:W8 Depression: S trouble falling asleep	Categ
9	S9DEPSLE	S9DEPSLE:W9 Depression: S trouble falling asleep	Categ
10	S10DEPSLE	S10DEPSLE:W10 Depression: S trouble falling asleep	Categ
11	S11DEPSLE	S11DEPSLE:W11 Depression: S trouble falling asleep	Categ
12	S12DEPSLE	S12DEPSLE:W12 Depression: S trouble falling asleep	Categ
13	S13DEPSLE	S13DEPSLE:W13 Depression: S trouble falling asleep	Categ
14	S14DEPSLE	S14DEPSLE:W14 Depression: S trouble falling asleep	Categ
15	S15DEPSLE	S15DEPSLE:W15 Depression: S trouble falling asleep	Categ
16	S16DEPSLE	S16DEPSLE:W16 Depression: S trouble falling asleep	Categ
3	R3DEPNIT	R3DEPNIT:W3 Depression: R frequency of sleep trouble	Categ
4	R4DEPNIT	R4DEPNIT:W4 Depression: R frequency of sleep trouble	Categ
5	R5DEPNIT	R5DEPNIT:W5 Depression: R frequency of sleep trouble	Categ
6	R6DEPNIT	R6DEPNIT:W6 Depression: R frequency of sleep trouble	Categ
7	R7DEPNIT	R7DEPNIT:W7 Depression: R frequency of sleep trouble	Categ
8	R8DEPNIT	R8DEPNIT:W8 Depression: R frequency of sleep trouble	Categ
9	R9DEPNIT	R9DEPNIT:W9 Depression: R frequency of sleep trouble	Categ
10	R10DEPNIT	R10DEPNIT:W10 Depression: R frequency of sleep trouble	Categ
11	R11DEPNIT	R11DEPNIT:W11 Depression: R frequency of sleep trouble	Categ
12	R12DEPNIT	R12DEPNIT:W12 Depression: R frequency of sleep trouble	Categ
13	R13DEPNIT	R13DEPNIT:W13 Depression: R frequency of sleep trouble	Categ
14	R14DEPNIT	R14DEPNIT:W14 Depression: R frequency of sleep trouble	Categ
15	R15DEPNIT	R15DEPNIT:W15 Depression: R frequency of sleep trouble	Categ
16	R16DEPNIT	R16DEPNIT:W16 Depression: R frequency of sleep trouble	Categ
3	S3DEPNIT	S3DEPNIT:W3 Depression: S frequency of sleep trouble	Categ
4	S4DEPNIT	S4DEPNIT:W4 Depression: S frequency of sleep trouble	Categ
5	S5DEPNIT	S5DEPNIT:W5 Depression: S frequency of sleep trouble	Categ
6	S6DEPNIT	S6DEPNIT:W6 Depression: S frequency of sleep trouble	Categ
7	S7DEPNIT	S7DEPNIT:W7 Depression: S frequency of sleep trouble	Categ
8	S8DEPNIT	S8DEPNIT:W8 Depression: S frequency of sleep trouble	Categ
9	S9DEPNIT	S9DEPNIT:W9 Depression: S frequency of sleep trouble	Categ
10	S10DEPNIT	S10DEPNIT:W10 Depression: S frequency of sleep trouble	Categ
11	S11DEPNIT	S11DEPNIT:W11 Depression: S frequency of sleep trouble	Categ
12	S12DEPNIT	S12DEPNIT:W12 Depression: S frequency of sleep trouble	Categ
13	S13DEPNIT	S13DEPNIT:W13 Depression: S frequency of sleep trouble	Categ
14	S14DEPNIT	S14DEPNIT:W14 Depression: S frequency of sleep trouble	Categ
15	S15DEPNIT	S15DEPNIT:W15 Depression: S frequency of sleep trouble	Categ
16	S16DEPNIT	S16DEPNIT:W16 Depression: S frequency of sleep trouble	Categ
3	R3DEPCON	R3DEPCON:W3 Depression: R trouble concentrating	Categ
4	R4DEPCON	R4DEPCON:W4 Depression: R trouble concentrating	Categ
5	R5DEPCON	R5DEPCON:W5 Depression: R trouble concentrating	Categ
6	R6DEPCON	R6DEPCON:W6 Depression: R trouble concentrating	Categ
7	R7DEPCON	R7DEPCON:W7 Depression: R trouble concentrating	Categ
8	R8DEPCON	R8DEPCON:W8 Depression: R trouble concentrating	Categ
9	R9DEPCON	R9DEPCON:W9 Depression: R trouble concentrating	Categ
10	R10DEPCON	R10DEPCON:W10 Depression: R trouble concentrating	Categ
11	R11DEPCON	R11DEPCON:W11 Depression: R trouble concentrating	Categ
12	R12DEPCON	R12DEPCON:W12 Depression: R trouble concentrating	Categ
13	R13DEPCON	R13DEPCON:W13 Depression: R trouble concentrating	Categ
14	R14DEPCON	R14DEPCON:W14 Depression: R trouble concentrating	Categ

15	R15DEPCON	R15DEPCON:W15 Depression: R trouble concentrating	Categ
16	R16DEPCON	R16DEPCON:W16 Depression: R trouble concentrating	Categ
3	S3DEPCON	S3DEPCON:W3 Depression: S trouble concentrating	Categ
4	S4DEPCON	S4DEPCON:W4 Depression: S trouble concentrating	Categ
5	S5DEPCON	S5DEPCON:W5 Depression: S trouble concentrating	Categ
6	S6DEPCON	S6DEPCON:W6 Depression: S trouble concentrating	Categ
7	S7DEPCON	S7DEPCON:W7 Depression: S trouble concentrating	Categ
8	S8DEPCON	S8DEPCON:W8 Depression: S trouble concentrating	Categ
9	S9DEPCON	S9DEPCON:W9 Depression: S trouble concentrating	Categ
10	S10DEPCON	S10DEPCON:W10 Depression: S trouble concentrating	Categ
11	S11DEPCON	S11DEPCON:W11 Depression: S trouble concentrating	Categ
12	S12DEPCON	S12DEPCON:W12 Depression: S trouble concentrating	Categ
13	S13DEPCON	S13DEPCON:W13 Depression: S trouble concentrating	Categ
14	S14DEPCON	S14DEPCON:W14 Depression: S trouble concentrating	Categ
15	S15DEPCON	S15DEPCON:W15 Depression: S trouble concentrating	Categ
16	S16DEPCON	S16DEPCON:W16 Depression: S trouble concentrating	Categ
3	R3DEPDOWN	R3DEPDOWN:W3 Depression: R feeling down on yourself	Categ
4	R4DEPDOWN	R4DEPDOWN:W4 Depression: R feeling down on yourself	Categ
5	R5DEPDOWN	R5DEPDOWN:W5 Depression: R feeling down on yourself	Categ
6	R6DEPDOWN	R6DEPDOWN:W6 Depression: R feeling down on yourself	Categ
7	R7DEPDOWN	R7DEPDOWN:W7 Depression: R feeling down on yourself	Categ
8	R8DEPDOWN	R8DEPDOWN:W8 Depression: R feeling down on yourself	Categ
9	R9DEPDOWN	R9DEPDOWN:W9 Depression: R feeling down on yourself	Categ
10	R10DEPDOWN	R10DEPDOWN:W10 Depression: R feeling down on yourself	Categ
11	R11DEPDOWN	R11DEPDOWN:W11 Depression: R feeling down on yourself	Categ
12	R12DEPDOWN	R12DEPDOWN:W12 Depression: R feeling down on yourself	Categ
13	R13DEPDOWN	R13DEPDOWN:W13 Depression: R feeling down on yourself	Categ
14	R14DEPDOWN	R14DEPDOWN:W14 Depression: R feeling down on yourself	Categ
15	R15DEPDOWN	R15DEPDOWN:W15 Depression: R feeling down on yourself	Categ
16	R16DEPDOWN	R16DEPDOWN:W16 Depression: R feeling down on yourself	Categ
3	S3DEPDOWN	S3DEPDOWN:W3 Depression: S feeling down on yourself	Categ
4	S4DEPDOWN	S4DEPDOWN:W4 Depression: S feeling down on yourself	Categ
5	S5DEPDOWN	S5DEPDOWN:W5 Depression: S feeling down on yourself	Categ
6	S6DEPDOWN	S6DEPDOWN:W6 Depression: S feeling down on yourself	Categ
7	S7DEPDOWN	S7DEPDOWN:W7 Depression: S feeling down on yourself	Categ
8	S8DEPDOWN	S8DEPDOWN:W8 Depression: S feeling down on yourself	Categ
9	S9DEPDOWN	S9DEPDOWN:W9 Depression: S feeling down on yourself	Categ
10	S10DEPDOWN	S10DEPDOWN:W10 Depression: S feeling down on yourself	Categ
11	S11DEPDOWN	S11DEPDOWN:W11 Depression: S feeling down on yourself	Categ
12	S12DEPDOWN	S12DEPDOWN:W12 Depression: S feeling down on yourself	Categ
13	S13DEPDOWN	S13DEPDOWN:W13 Depression: S feeling down on yourself	Categ
14	S14DEPDOWN	S14DEPDOWN:W14 Depression: S feeling down on yourself	Categ
15	S15DEPDOWN	S15DEPDOWN:W15 Depression: S feeling down on yourself	Categ
16	S16DEPDOWN	S16DEPDOWN:W16 Depression: S feeling down on yourself	Categ
3	R3DEPTHO	R3DEPTHO:W3 Depression: R thoughts about death	Categ
4	R4DEPTHO	R4DEPTHO:W4 Depression: R thoughts about death	Categ
5	R5DEPTHO	R5DEPTHO:W5 Depression: R thoughts about death	Categ
6	R6DEPTHO	R6DEPTHO:W6 Depression: R thoughts about death	Categ
7	R7DEPTHO	R7DEPTHO:W7 Depression: R thoughts about death	Categ
8	R8DEPTHO	R8DEPTHO:W8 Depression: R thoughts about death	Categ
9	R9DEPTHO	R9DEPTHO:W9 Depression: R thoughts about death	Categ
10	R10DEPTHO	R10DEPTHO:W10 Depression: R thoughts about death	Categ
11	R11DEPTHO	R11DEPTHO:W11 Depression: R thoughts about death	Categ
12	R12DEPTHO	R12DEPTHO:W12 Depression: R thoughts about death	Categ
13	R13DEPTHO	R13DEPTHO:W13 Depression: R thoughts about death	Categ
14	R14DEPTHO	R14DEPTHO:W14 Depression: R thoughts about death	Categ
15	R15DEPTHO	R15DEPTHO:W15 Depression: R thoughts about death	Categ
16	R16DEPTHO	R16DEPTHO:W16 Depression: R thoughts about death	Categ
3	S3DEPTHO	S3DEPTHO:W3 Depression: S thoughts about death	Categ
4	S4DEPTHO	S4DEPTHO:W4 Depression: S thoughts about death	Categ
5	S5DEPTHO	S5DEPTHO:W5 Depression: S thoughts about death	Categ
6	S6DEPTHO	S6DEPTHO:W6 Depression: S thoughts about death	Categ
7	S7DEPTHO	S7DEPTHO:W7 Depression: S thoughts about death	Categ
8	S8DEPTHO	S8DEPTHO:W8 Depression: S thoughts about death	Categ
9	S9DEPTHO	S9DEPTHO:W9 Depression: S thoughts about death	Categ
10	S10DEPTHO	S10DEPTHO:W10 Depression: S thoughts about death	Categ
11	S11DEPTHO	S11DEPTHO:W11 Depression: S thoughts about death	Categ

12	S12DEPTHO	S12DEPTHO:W12 Depression: S thoughts about death	Categ
13	S13DEPTHO	S13DEPTHO:W13 Depression: S thoughts about death	Categ
14	S14DEPTHO	S14DEPTHO:W14 Depression: S thoughts about death	Categ
15	S15DEPTHO	S15DEPTHO:W15 Depression: S thoughts about death	Categ
16	S16DEPTHO	S16DEPTHO:W16 Depression: S thoughts about death	Categ
3	R3DEPWKS	R3DEPWKS:W3 Depression: R number of weeks felt depressed	Categ
4	R4DEPWKS	R4DEPWKS:W4 Depression: R number of weeks felt depressed	Categ
5	R5DEPWKS	R5DEPWKS:W5 Depression: R number of weeks felt depressed	Categ
6	R6DEPWKS	R6DEPWKS:W6 Depression: R number of weeks felt depressed	Categ
7	R7DEPWKS	R7DEPWKS:W7 Depression: R number of weeks felt depressed	Categ
8	R8DEPWKS	R8DEPWKS:W8 Depression: R number of weeks felt depressed	Categ
9	R9DEPWKS	R9DEPWKS:W9 Depression: R number of weeks felt depressed	Categ
10	R10DEPWKS	R10DEPWKS:W10 Depression: R number of weeks felt depressed	Categ
11	R11DEPWKS	R11DEPWKS:W11 Depression: R number of weeks felt depressed	Categ
12	R12DEPWKS	R12DEPWKS:W12 Depression: R number of weeks felt depressed	Categ
13	R13DEPWKS	R13DEPWKS:W13 Depression: R number of weeks felt depressed	Categ
14	R14DEPWKS	R14DEPWKS:W14 Depression: R number of weeks felt depressed	Categ
15	R15DEPWKS	R15DEPWKS:W15 Depression: R number of weeks felt depressed	Categ
16	R16DEPWKS	R16DEPWKS:W16 Depression: R number of weeks felt depressed	Categ
3	S3DEPWKS	S3DEPWKS:W3 Depression: S number of weeks felt depressed	Categ
4	S4DEPWKS	S4DEPWKS:W4 Depression: S number of weeks felt depressed	Categ
5	S5DEPWKS	S5DEPWKS:W5 Depression: S number of weeks felt depressed	Categ
6	S6DEPWKS	S6DEPWKS:W6 Depression: S number of weeks felt depressed	Categ
7	S7DEPWKS	S7DEPWKS:W7 Depression: S number of weeks felt depressed	Categ
8	S8DEPWKS	S8DEPWKS:W8 Depression: S number of weeks felt depressed	Categ
9	S9DEPWKS	S9DEPWKS:W9 Depression: S number of weeks felt depressed	Categ
10	S10DEPWKS	S10DEPWKS:W10 Depression: S number of weeks felt depressed	Categ
11	S11DEPWKS	S11DEPWKS:W11 Depression: S number of weeks felt depressed	Categ
12	S12DEPWKS	S12DEPWKS:W12 Depression: S number of weeks felt depressed	Categ
13	S13DEPWKS	S13DEPWKS:W13 Depression: S number of weeks felt depressed	Categ
14	S14DEPWKS	S14DEPWKS:W14 Depression: S number of weeks felt depressed	Categ
15	S15DEPWKS	S15DEPWKS:W15 Depression: S number of weeks felt depressed	Categ
16	S16DEPWKS	S16DEPWKS:W16 Depression: S number of weeks felt depressed	Categ
3	R3DEPRECM	R3DEPRECM:W3 Depression: R most recent month felt depressed	Categ
4	R4DEPRECM	R4DEPRECM:W4 Depression: R most recent month felt depressed	Categ
5	R5DEPRECM	R5DEPRECM:W5 Depression: R most recent month felt depressed	Categ
6	R6DEPRECM	R6DEPRECM:W6 Depression: R most recent month felt depressed	Categ
7	R7DEPRECM	R7DEPRECM:W7 Depression: R most recent month felt depressed	Categ
8	R8DEPRECM	R8DEPRECM:W8 Depression: R most recent month felt depressed	Categ
9	R9DEPRECM	R9DEPRECM:W9 Depression: R most recent month felt depressed	Categ
10	R10DEPRECM	R10DEPRECM:W10 Depression: R most recent month felt depressed	Categ
11	R11DEPRECM	R11DEPRECM:W11 Depression: R most recent month felt depressed	Categ
12	R12DEPRECM	R12DEPRECM:W12 Depression: R most recent month felt depressed	Categ
13	R13DEPRECM	R13DEPRECM:W13 Depression: R most recent month felt depressed	Categ
14	R14DEPRECM	R14DEPRECM:W14 Depression: R most recent month felt depressed	Categ
15	R15DEPRECM	R15DEPRECM:W15 Depression: R most recent month felt depressed	Categ
16	R16DEPRECM	R16DEPRECM:W16 Depression: R most recent month felt depressed	Categ
3	S3DEPRECM	S3DEPRECM:W3 Depression: S most recent month felt depressed	Categ
4	S4DEPRECM	S4DEPRECM:W4 Depression: S most recent month felt depressed	Categ
5	S5DEPRECM	S5DEPRECM:W5 Depression: S most recent month felt depressed	Categ
6	S6DEPRECM	S6DEPRECM:W6 Depression: S most recent month felt depressed	Categ
7	S7DEPRECM	S7DEPRECM:W7 Depression: S most recent month felt depressed	Categ
8	S8DEPRECM	S8DEPRECM:W8 Depression: S most recent month felt depressed	Categ
9	S9DEPRECM	S9DEPRECM:W9 Depression: S most recent month felt depressed	Categ
10	S10DEPRECM	S10DEPRECM:W10 Depression: S most recent month felt depressed	Categ
11	S11DEPRECM	S11DEPRECM:W11 Depression: S most recent month felt depressed	Categ
12	S12DEPRECM	S12DEPRECM:W12 Depression: S most recent month felt depressed	Categ
13	S13DEPRECM	S13DEPRECM:W13 Depression: S most recent month felt depressed	Categ
14	S14DEPRECM	S14DEPRECM:W14 Depression: S most recent month felt depressed	Categ
15	S15DEPRECM	S15DEPRECM:W15 Depression: S most recent month felt depressed	Categ
16	S16DEPRECM	S16DEPRECM:W16 Depression: S most recent month felt depressed	Categ
3	R3ANHYR	R3ANHYR:W3 Anhedonia: R anhedonia in past year	Categ
4	R4ANHYR	R4ANHYR:W4 Anhedonia: R anhedonia in past year	Categ
5	R5ANHYR	R5ANHYR:W5 Anhedonia: R anhedonia in past year	Categ
6	R6ANHYR	R6ANHYR:W6 Anhedonia: R anhedonia in past year	Categ
7	R7ANHYR	R7ANHYR:W7 Anhedonia: R anhedonia in past year	Categ
8	R8ANHYR	R8ANHYR:W8 Anhedonia: R anhedonia in past year	Categ

9	R9ANHYR	R9ANHYR:W9 Anhedonia: R anhedonia in past year	Categ
10	R10ANHYR	R10ANHYR:W10 Anhedonia: R anhedonia in past year	Categ
11	R11ANHYR	R11ANHYR:W11 Anhedonia: R anhedonia in past year	Categ
12	R12ANHYR	R12ANHYR:W12 Anhedonia: R anhedonia in past year	Categ
13	R13ANHYR	R13ANHYR:W13 Anhedonia: R anhedonia in past year	Categ
14	R14ANHYR	R14ANHYR:W14 Anhedonia: R anhedonia in past year	Categ
15	R15ANHYR	R15ANHYR:W15 Anhedonia: R anhedonia in past year	Categ
16	R16ANHYR	R16ANHYR:W16 Anhedonia: R anhedonia in past year	Categ
3	S3ANHYR	S3ANHYR:W3 Anhedonia: S anhedonia in past year	Categ
4	S4ANHYR	S4ANHYR:W4 Anhedonia: S anhedonia in past year	Categ
5	S5ANHYR	S5ANHYR:W5 Anhedonia: S anhedonia in past year	Categ
6	S6ANHYR	S6ANHYR:W6 Anhedonia: S anhedonia in past year	Categ
7	S7ANHYR	S7ANHYR:W7 Anhedonia: S anhedonia in past year	Categ
8	S8ANHYR	S8ANHYR:W8 Anhedonia: S anhedonia in past year	Categ
9	S9ANHYR	S9ANHYR:W9 Anhedonia: S anhedonia in past year	Categ
10	S10ANHYR	S10ANHYR:W10 Anhedonia: S anhedonia in past year	Categ
11	S11ANHYR	S11ANHYR:W11 Anhedonia: S anhedonia in past year	Categ
12	S12ANHYR	S12ANHYR:W12 Anhedonia: S anhedonia in past year	Categ
13	S13ANHYR	S13ANHYR:W13 Anhedonia: S anhedonia in past year	Categ
14	S14ANHYR	S14ANHYR:W14 Anhedonia: S anhedonia in past year	Categ
15	S15ANHYR	S15ANHYR:W15 Anhedonia: S anhedonia in past year	Categ
16	S16ANHYR	S16ANHYR:W16 Anhedonia: S anhedonia in past year	Categ
3	R3ANHPOR	R3ANHPOR:W3 Anhedonia: R anhedonia what portion of day	Categ
4	R4ANHPOR	R4ANHPOR:W4 Anhedonia: R anhedonia what portion of day	Categ
5	R5ANHPOR	R5ANHPOR:W5 Anhedonia: R anhedonia what portion of day	Categ
6	R6ANHPOR	R6ANHPOR:W6 Anhedonia: R anhedonia what portion of day	Categ
7	R7ANHPOR	R7ANHPOR:W7 Anhedonia: R anhedonia what portion of day	Categ
8	R8ANHPOR	R8ANHPOR:W8 Anhedonia: R anhedonia what portion of day	Categ
9	R9ANHPOR	R9ANHPOR:W9 Anhedonia: R anhedonia what portion of day	Categ
10	R10ANHPOR	R10ANHPOR:W10 Anhedonia: R anhedonia what portion of day	Categ
11	R11ANHPOR	R11ANHPOR:W11 Anhedonia: R anhedonia what portion of day	Categ
12	R12ANHPOR	R12ANHPOR:W12 Anhedonia: R anhedonia what portion of day	Categ
13	R13ANHPOR	R13ANHPOR:W13 Anhedonia: R anhedonia what portion of day	Categ
14	R14ANHPOR	R14ANHPOR:W14 Anhedonia: R anhedonia what portion of day	Categ
15	R15ANHPOR	R15ANHPOR:W15 Anhedonia: R anhedonia what portion of day	Categ
16	R16ANHPOR	R16ANHPOR:W16 Anhedonia: R anhedonia what portion of day	Categ
3	S3ANHPOR	S3ANHPOR:W3 Anhedonia: S anhedonia what portion of day	Categ
4	S4ANHPOR	S4ANHPOR:W4 Anhedonia: S anhedonia what portion of day	Categ
5	S5ANHPOR	S5ANHPOR:W5 Anhedonia: S anhedonia what portion of day	Categ
6	S6ANHPOR	S6ANHPOR:W6 Anhedonia: S anhedonia what portion of day	Categ
7	S7ANHPOR	S7ANHPOR:W7 Anhedonia: S anhedonia what portion of day	Categ
8	S8ANHPOR	S8ANHPOR:W8 Anhedonia: S anhedonia what portion of day	Categ
9	S9ANHPOR	S9ANHPOR:W9 Anhedonia: S anhedonia what portion of day	Categ
10	S10ANHPOR	S10ANHPOR:W10 Anhedonia: S anhedonia what portion of day	Categ
11	S11ANHPOR	S11ANHPOR:W11 Anhedonia: S anhedonia what portion of day	Categ
12	S12ANHPOR	S12ANHPOR:W12 Anhedonia: S anhedonia what portion of day	Categ
13	S13ANHPOR	S13ANHPOR:W13 Anhedonia: S anhedonia what portion of day	Categ
14	S14ANHPOR	S14ANHPOR:W14 Anhedonia: S anhedonia what portion of day	Categ
15	S15ANHPOR	S15ANHPOR:W15 Anhedonia: S anhedonia what portion of day	Categ
16	S16ANHPOR	S16ANHPOR:W16 Anhedonia: S anhedonia what portion of day	Categ
3	R3ANHEVD	R3ANHEVD:W3 Anhedonia: R anhedonia every day	Categ
4	R4ANHEVD	R4ANHEVD:W4 Anhedonia: R anhedonia every day	Categ
5	R5ANHEVD	R5ANHEVD:W5 Anhedonia: R anhedonia every day	Categ
6	R6ANHEVD	R6ANHEVD:W6 Anhedonia: R anhedonia every day	Categ
7	R7ANHEVD	R7ANHEVD:W7 Anhedonia: R anhedonia every day	Categ
8	R8ANHEVD	R8ANHEVD:W8 Anhedonia: R anhedonia every day	Categ
9	R9ANHEVD	R9ANHEVD:W9 Anhedonia: R anhedonia every day	Categ
10	R10ANHEVD	R10ANHEVD:W10 Anhedonia: R anhedonia every day	Categ
11	R11ANHEVD	R11ANHEVD:W11 Anhedonia: R anhedonia every day	Categ
12	R12ANHEVD	R12ANHEVD:W12 Anhedonia: R anhedonia every day	Categ
13	R13ANHEVD	R13ANHEVD:W13 Anhedonia: R anhedonia every day	Categ
14	R14ANHEVD	R14ANHEVD:W14 Anhedonia: R anhedonia every day	Categ
15	R15ANHEVD	R15ANHEVD:W15 Anhedonia: R anhedonia every day	Categ
16	R16ANHEVD	R16ANHEVD:W16 Anhedonia: R anhedonia every day	Categ
3	S3ANHEVD	S3ANHEVD:W3 Anhedonia: S anhedonia every day	Categ
4	S4ANHEVD	S4ANHEVD:W4 Anhedonia: S anhedonia every day	Categ
5	S5ANHEVD	S5ANHEVD:W5 Anhedonia: S anhedonia every day	Categ

6	S6ANHEVD	S6ANHEVD:W6 Anhedonia: S anhedonia every day	Categ
7	S7ANHEVD	S7ANHEVD:W7 Anhedonia: S anhedonia every day	Categ
8	S8ANHEVD	S8ANHEVD:W8 Anhedonia: S anhedonia every day	Categ
9	S9ANHEVD	S9ANHEVD:W9 Anhedonia: S anhedonia every day	Categ
10	S10ANHEVD	S10ANHEVD:W10 Anhedonia: S anhedonia every day	Categ
11	S11ANHEVD	S11ANHEVD:W11 Anhedonia: S anhedonia every day	Categ
12	S12ANHEVD	S12ANHEVD:W12 Anhedonia: S anhedonia every day	Categ
13	S13ANHEVD	S13ANHEVD:W13 Anhedonia: S anhedonia every day	Categ
14	S14ANHEVD	S14ANHEVD:W14 Anhedonia: S anhedonia every day	Categ
15	S15ANHEVD	S15ANHEVD:W15 Anhedonia: S anhedonia every day	Categ
16	S16ANHEVD	S16ANHEVD:W16 Anhedonia: S anhedonia every day	Categ
3	R3ANHTIR	R3ANHTIR:W3 Anhedonia: R feeling tired	Categ
4	R4ANHTIR	R4ANHTIR:W4 Anhedonia: R feeling tired	Categ
5	R5ANHTIR	R5ANHTIR:W5 Anhedonia: R feeling tired	Categ
6	R6ANHTIR	R6ANHTIR:W6 Anhedonia: R feeling tired	Categ
7	R7ANHTIR	R7ANHTIR:W7 Anhedonia: R feeling tired	Categ
8	R8ANHTIR	R8ANHTIR:W8 Anhedonia: R feeling tired	Categ
9	R9ANHTIR	R9ANHTIR:W9 Anhedonia: R feeling tired	Categ
10	R10ANHTIR	R10ANHTIR:W10 Anhedonia: R feeling tired	Categ
11	R11ANHTIR	R11ANHTIR:W11 Anhedonia: R feeling tired	Categ
12	R12ANHTIR	R12ANHTIR:W12 Anhedonia: R feeling tired	Categ
13	R13ANHTIR	R13ANHTIR:W13 Anhedonia: R feeling tired	Categ
14	R14ANHTIR	R14ANHTIR:W14 Anhedonia: R feeling tired	Categ
15	R15ANHTIR	R15ANHTIR:W15 Anhedonia: R feeling tired	Categ
16	R16ANHTIR	R16ANHTIR:W16 Anhedonia: R feeling tired	Categ
3	S3ANHTIR	S3ANHTIR:W3 Anhedonia: S feeling tired	Categ
4	S4ANHTIR	S4ANHTIR:W4 Anhedonia: S feeling tired	Categ
5	S5ANHTIR	S5ANHTIR:W5 Anhedonia: S feeling tired	Categ
6	S6ANHTIR	S6ANHTIR:W6 Anhedonia: S feeling tired	Categ
7	S7ANHTIR	S7ANHTIR:W7 Anhedonia: S feeling tired	Categ
8	S8ANHTIR	S8ANHTIR:W8 Anhedonia: S feeling tired	Categ
9	S9ANHTIR	S9ANHTIR:W9 Anhedonia: S feeling tired	Categ
10	S10ANHTIR	S10ANHTIR:W10 Anhedonia: S feeling tired	Categ
11	S11ANHTIR	S11ANHTIR:W11 Anhedonia: S feeling tired	Categ
12	S12ANHTIR	S12ANHTIR:W12 Anhedonia: S feeling tired	Categ
13	S13ANHTIR	S13ANHTIR:W13 Anhedonia: S feeling tired	Categ
14	S14ANHTIR	S14ANHTIR:W14 Anhedonia: S feeling tired	Categ
15	S15ANHTIR	S15ANHTIR:W15 Anhedonia: S feeling tired	Categ
16	S16ANHTIR	S16ANHTIR:W16 Anhedonia: S feeling tired	Categ
3	R3ANHNOAP	R3ANHNOAP:W3 Anhedonia: R lose appetite	Categ
4	R4ANHNOAP	R4ANHNOAP:W4 Anhedonia: R lose appetite	Categ
5	R5ANHNOAP	R5ANHNOAP:W5 Anhedonia: R lose appetite	Categ
6	R6ANHNOAP	R6ANHNOAP:W6 Anhedonia: R lose appetite	Categ
7	R7ANHNOAP	R7ANHNOAP:W7 Anhedonia: R lose appetite	Categ
8	R8ANHNOAP	R8ANHNOAP:W8 Anhedonia: R lose appetite	Categ
9	R9ANHNOAP	R9ANHNOAP:W9 Anhedonia: R lose appetite	Categ
10	R10ANHNOAP	R10ANHNOAP:W10 Anhedonia: R lose appetite	Categ
11	R11ANHNOAP	R11ANHNOAP:W11 Anhedonia: R lose appetite	Categ
12	R12ANHNOAP	R12ANHNOAP:W12 Anhedonia: R lose appetite	Categ
13	R13ANHNOAP	R13ANHNOAP:W13 Anhedonia: R lose appetite	Categ
14	R14ANHNOAP	R14ANHNOAP:W14 Anhedonia: R lose appetite	Categ
15	R15ANHNOAP	R15ANHNOAP:W15 Anhedonia: R lose appetite	Categ
16	R16ANHNOAP	R16ANHNOAP:W16 Anhedonia: R lose appetite	Categ
3	S3ANHNOAP	S3ANHNOAP:W3 Anhedonia: S lose appetite	Categ
4	S4ANHNOAP	S4ANHNOAP:W4 Anhedonia: S lose appetite	Categ
5	S5ANHNOAP	S5ANHNOAP:W5 Anhedonia: S lose appetite	Categ
6	S6ANHNOAP	S6ANHNOAP:W6 Anhedonia: S lose appetite	Categ
7	S7ANHNOAP	S7ANHNOAP:W7 Anhedonia: S lose appetite	Categ
8	S8ANHNOAP	S8ANHNOAP:W8 Anhedonia: S lose appetite	Categ
9	S9ANHNOAP	S9ANHNOAP:W9 Anhedonia: S lose appetite	Categ
10	S10ANHNOAP	S10ANHNOAP:W10 Anhedonia: S lose appetite	Categ
11	S11ANHNOAP	S11ANHNOAP:W11 Anhedonia: S lose appetite	Categ
12	S12ANHNOAP	S12ANHNOAP:W12 Anhedonia: S lose appetite	Categ
13	S13ANHNOAP	S13ANHNOAP:W13 Anhedonia: S lose appetite	Categ
14	S14ANHNOAP	S14ANHNOAP:W14 Anhedonia: S lose appetite	Categ
15	S15ANHNOAP	S15ANHNOAP:W15 Anhedonia: S lose appetite	Categ
16	S16ANHNOAP	S16ANHNOAP:W16 Anhedonia: S lose appetite	Categ

3	R3ANHHUN	R3ANHHUN:W3 Anhedonia: R appetite increased	Categ
4	R4ANHHUN	R4ANHHUN:W4 Anhedonia: R appetite increased	Categ
5	R5ANHHUN	R5ANHHUN:W5 Anhedonia: R appetite increased	Categ
6	R6ANHHUN	R6ANHHUN:W6 Anhedonia: R appetite increased	Categ
7	R7ANHHUN	R7ANHHUN:W7 Anhedonia: R appetite increased	Categ
8	R8ANHHUN	R8ANHHUN:W8 Anhedonia: R appetite increased	Categ
9	R9ANHHUN	R9ANHHUN:W9 Anhedonia: R appetite increased	Categ
10	R10ANHHUN	R10ANHHUN:W10 Anhedonia: R appetite increased	Categ
11	R11ANHHUN	R11ANHHUN:W11 Anhedonia: R appetite increased	Categ
12	R12ANHHUN	R12ANHHUN:W12 Anhedonia: R appetite increased	Categ
13	R13ANHHUN	R13ANHHUN:W13 Anhedonia: R appetite increased	Categ
14	R14ANHHUN	R14ANHHUN:W14 Anhedonia: R appetite increased	Categ
15	R15ANHHUN	R15ANHHUN:W15 Anhedonia: R appetite increased	Categ
16	R16ANHHUN	R16ANHHUN:W16 Anhedonia: R appetite increased	Categ
3	S3ANHHUN	S3ANHHUN:W3 Anhedonia: S appetite increased	Categ
4	S4ANHHUN	S4ANHHUN:W4 Anhedonia: S appetite increased	Categ
5	S5ANHHUN	S5ANHHUN:W5 Anhedonia: S appetite increased	Categ
6	S6ANHHUN	S6ANHHUN:W6 Anhedonia: S appetite increased	Categ
7	S7ANHHUN	S7ANHHUN:W7 Anhedonia: S appetite increased	Categ
8	S8ANHHUN	S8ANHHUN:W8 Anhedonia: S appetite increased	Categ
9	S9ANHHUN	S9ANHHUN:W9 Anhedonia: S appetite increased	Categ
10	S10ANHHUN	S10ANHHUN:W10 Anhedonia: S appetite increased	Categ
11	S11ANHHUN	S11ANHHUN:W11 Anhedonia: S appetite increased	Categ
12	S12ANHHUN	S12ANHHUN:W12 Anhedonia: S appetite increased	Categ
13	S13ANHHUN	S13ANHHUN:W13 Anhedonia: S appetite increased	Categ
14	S14ANHHUN	S14ANHHUN:W14 Anhedonia: S appetite increased	Categ
15	S15ANHHUN	S15ANHHUN:W15 Anhedonia: S appetite increased	Categ
16	S16ANHHUN	S16ANHHUN:W16 Anhedonia: S appetite increased	Categ
3	R3ANHSLE	R3ANHSLE:W3 Anhedonia: R trouble falling asleep	Categ
4	R4ANHSLE	R4ANHSLE:W4 Anhedonia: R trouble falling asleep	Categ
5	R5ANHSLE	R5ANHSLE:W5 Anhedonia: R trouble falling asleep	Categ
6	R6ANHSLE	R6ANHSLE:W6 Anhedonia: R trouble falling asleep	Categ
7	R7ANHSLE	R7ANHSLE:W7 Anhedonia: R trouble falling asleep	Categ
8	R8ANHSLE	R8ANHSLE:W8 Anhedonia: R trouble falling asleep	Categ
9	R9ANHSLE	R9ANHSLE:W9 Anhedonia: R trouble falling asleep	Categ
10	R10ANHSLE	R10ANHSLE:W10 Anhedonia: R trouble falling asleep	Categ
11	R11ANHSLE	R11ANHSLE:W11 Anhedonia: R trouble falling asleep	Categ
12	R12ANHSLE	R12ANHSLE:W12 Anhedonia: R trouble falling asleep	Categ
13	R13ANHSLE	R13ANHSLE:W13 Anhedonia: R trouble falling asleep	Categ
14	R14ANHSLE	R14ANHSLE:W14 Anhedonia: R trouble falling asleep	Categ
15	R15ANHSLE	R15ANHSLE:W15 Anhedonia: R trouble falling asleep	Categ
16	R16ANHSLE	R16ANHSLE:W16 Anhedonia: R trouble falling asleep	Categ
3	S3ANHSLE	S3ANHSLE:W3 Anhedonia: S trouble falling asleep	Categ
4	S4ANHSLE	S4ANHSLE:W4 Anhedonia: S trouble falling asleep	Categ
5	S5ANHSLE	S5ANHSLE:W5 Anhedonia: S trouble falling asleep	Categ
6	S6ANHSLE	S6ANHSLE:W6 Anhedonia: S trouble falling asleep	Categ
7	S7ANHSLE	S7ANHSLE:W7 Anhedonia: S trouble falling asleep	Categ
8	S8ANHSLE	S8ANHSLE:W8 Anhedonia: S trouble falling asleep	Categ
9	S9ANHSLE	S9ANHSLE:W9 Anhedonia: S trouble falling asleep	Categ
10	S10ANHSLE	S10ANHSLE:W10 Anhedonia: S trouble falling asleep	Categ
11	S11ANHSLE	S11ANHSLE:W11 Anhedonia: S trouble falling asleep	Categ
12	S12ANHSLE	S12ANHSLE:W12 Anhedonia: S trouble falling asleep	Categ
13	S13ANHSLE	S13ANHSLE:W13 Anhedonia: S trouble falling asleep	Categ
14	S14ANHSLE	S14ANHSLE:W14 Anhedonia: S trouble falling asleep	Categ
15	S15ANHSLE	S15ANHSLE:W15 Anhedonia: S trouble falling asleep	Categ
16	S16ANHSLE	S16ANHSLE:W16 Anhedonia: S trouble falling asleep	Categ
3	R3ANHNIT	R3ANHNIT:W3 Anhedonia: R frequency of sleep trouble	Categ
4	R4ANHNIT	R4ANHNIT:W4 Anhedonia: R frequency of sleep trouble	Categ
5	R5ANHNIT	R5ANHNIT:W5 Anhedonia: R frequency of sleep trouble	Categ
6	R6ANHNIT	R6ANHNIT:W6 Anhedonia: R frequency of sleep trouble	Categ
7	R7ANHNIT	R7ANHNIT:W7 Anhedonia: R frequency of sleep trouble	Categ
8	R8ANHNIT	R8ANHNIT:W8 Anhedonia: R frequency of sleep trouble	Categ
9	R9ANHNIT	R9ANHNIT:W9 Anhedonia: R frequency of sleep trouble	Categ
10	R10ANHNIT	R10ANHNIT:W10 Anhedonia: R frequency of sleep trouble	Categ
11	R11ANHNIT	R11ANHNIT:W11 Anhedonia: R frequency of sleep trouble	Categ
12	R12ANHNIT	R12ANHNIT:W12 Anhedonia: R frequency of sleep trouble	Categ
13	R13ANHNIT	R13ANHNIT:W13 Anhedonia: R frequency of sleep trouble	Categ
14	R14ANHNIT	R14ANHNIT:W14 Anhedonia: R frequency of sleep trouble	Categ

15	R15ANHNIT	R15ANHNIT:W15 Anhedonia: R frequency of sleep trouble	Categ
16	R16ANHNIT	R16ANHNIT:W16 Anhedonia: R frequency of sleep trouble	Categ
3	S3ANHNIT	S3ANHNIT:W3 Anhedonia: S frequency of sleep trouble	Categ
4	S4ANHNIT	S4ANHNIT:W4 Anhedonia: S frequency of sleep trouble	Categ
5	S5ANHNIT	S5ANHNIT:W5 Anhedonia: S frequency of sleep trouble	Categ
6	S6ANHNIT	S6ANHNIT:W6 Anhedonia: S frequency of sleep trouble	Categ
7	S7ANHNIT	S7ANHNIT:W7 Anhedonia: S frequency of sleep trouble	Categ
8	S8ANHNIT	S8ANHNIT:W8 Anhedonia: S frequency of sleep trouble	Categ
9	S9ANHNIT	S9ANHNIT:W9 Anhedonia: S frequency of sleep trouble	Categ
10	S10ANHNIT	S10ANHNIT:W10 Anhedonia: S frequency of sleep trouble	Categ
11	S11ANHNIT	S11ANHNIT:W11 Anhedonia: S frequency of sleep trouble	Categ
12	S12ANHNIT	S12ANHNIT:W12 Anhedonia: S frequency of sleep trouble	Categ
13	S13ANHNIT	S13ANHNIT:W13 Anhedonia: S frequency of sleep trouble	Categ
14	S14ANHNIT	S14ANHNIT:W14 Anhedonia: S frequency of sleep trouble	Categ
15	S15ANHNIT	S15ANHNIT:W15 Anhedonia: S frequency of sleep trouble	Categ
16	S16ANHNIT	S16ANHNIT:W16 Anhedonia: S frequency of sleep trouble	Categ
3	R3ANHCON	R3ANHCON:W3 Anhedonia: R trouble concentrating	Categ
4	R4ANHCON	R4ANHCON:W4 Anhedonia: R trouble concentrating	Categ
5	R5ANHCON	R5ANHCON:W5 Anhedonia: R trouble concentrating	Categ
6	R6ANHCON	R6ANHCON:W6 Anhedonia: R trouble concentrating	Categ
7	R7ANHCON	R7ANHCON:W7 Anhedonia: R trouble concentrating	Categ
8	R8ANHCON	R8ANHCON:W8 Anhedonia: R trouble concentrating	Categ
9	R9ANHCON	R9ANHCON:W9 Anhedonia: R trouble concentrating	Categ
10	R10ANHCON	R10ANHCON:W10 Anhedonia: R trouble concentrating	Categ
11	R11ANHCON	R11ANHCON:W11 Anhedonia: R trouble concentrating	Categ
12	R12ANHCON	R12ANHCON:W12 Anhedonia: R trouble concentrating	Categ
13	R13ANHCON	R13ANHCON:W13 Anhedonia: R trouble concentrating	Categ
14	R14ANHCON	R14ANHCON:W14 Anhedonia: R trouble concentrating	Categ
15	R15ANHCON	R15ANHCON:W15 Anhedonia: R trouble concentrating	Categ
16	R16ANHCON	R16ANHCON:W16 Anhedonia: R trouble concentrating	Categ
3	S3ANHCON	S3ANHCON:W3 Anhedonia: S trouble concentrating	Categ
4	S4ANHCON	S4ANHCON:W4 Anhedonia: S trouble concentrating	Categ
5	S5ANHCON	S5ANHCON:W5 Anhedonia: S trouble concentrating	Categ
6	S6ANHCON	S6ANHCON:W6 Anhedonia: S trouble concentrating	Categ
7	S7ANHCON	S7ANHCON:W7 Anhedonia: S trouble concentrating	Categ
8	S8ANHCON	S8ANHCON:W8 Anhedonia: S trouble concentrating	Categ
9	S9ANHCON	S9ANHCON:W9 Anhedonia: S trouble concentrating	Categ
10	S10ANHCON	S10ANHCON:W10 Anhedonia: S trouble concentrating	Categ
11	S11ANHCON	S11ANHCON:W11 Anhedonia: S trouble concentrating	Categ
12	S12ANHCON	S12ANHCON:W12 Anhedonia: S trouble concentrating	Categ
13	S13ANHCON	S13ANHCON:W13 Anhedonia: S trouble concentrating	Categ
14	S14ANHCON	S14ANHCON:W14 Anhedonia: S trouble concentrating	Categ
15	S15ANHCON	S15ANHCON:W15 Anhedonia: S trouble concentrating	Categ
16	S16ANHCON	S16ANHCON:W16 Anhedonia: S trouble concentrating	Categ
3	R3ANHDOWN	R3ANHDOWN:W3 Anhedonia: R feeling down on yourself	Categ
4	R4ANHDOWN	R4ANHDOWN:W4 Anhedonia: R feeling down on yourself	Categ
5	R5ANHDOWN	R5ANHDOWN:W5 Anhedonia: R feeling down on yourself	Categ
6	R6ANHDOWN	R6ANHDOWN:W6 Anhedonia: R feeling down on yourself	Categ
7	R7ANHDOWN	R7ANHDOWN:W7 Anhedonia: R feeling down on yourself	Categ
8	R8ANHDOWN	R8ANHDOWN:W8 Anhedonia: R feeling down on yourself	Categ
9	R9ANHDOWN	R9ANHDOWN:W9 Anhedonia: R feeling down on yourself	Categ
10	R10ANHDOWN	R10ANHDOWN:W10 Anhedonia: R feeling down on yourself	Categ
11	R11ANHDOWN	R11ANHDOWN:W11 Anhedonia: R feeling down on yourself	Categ
12	R12ANHDOWN	R12ANHDOWN:W12 Anhedonia: R feeling down on yourself	Categ
13	R13ANHDOWN	R13ANHDOWN:W13 Anhedonia: R feeling down on yourself	Categ
14	R14ANHDOWN	R14ANHDOWN:W14 Anhedonia: R feeling down on yourself	Categ
15	R15ANHDOWN	R15ANHDOWN:W15 Anhedonia: R feeling down on yourself	Categ
16	R16ANHDOWN	R16ANHDOWN:W16 Anhedonia: R feeling down on yourself	Categ
3	S3ANHDOWN	S3ANHDOWN:W3 Anhedonia: S feeling down on yourself	Categ
4	S4ANHDOWN	S4ANHDOWN:W4 Anhedonia: S feeling down on yourself	Categ
5	S5ANHDOWN	S5ANHDOWN:W5 Anhedonia: S feeling down on yourself	Categ
6	S6ANHDOWN	S6ANHDOWN:W6 Anhedonia: S feeling down on yourself	Categ
7	S7ANHDOWN	S7ANHDOWN:W7 Anhedonia: S feeling down on yourself	Categ
8	S8ANHDOWN	S8ANHDOWN:W8 Anhedonia: S feeling down on yourself	Categ
9	S9ANHDOWN	S9ANHDOWN:W9 Anhedonia: S feeling down on yourself	Categ
10	S10ANHDOWN	S10ANHDOWN:W10 Anhedonia: S feeling down on yourself	Categ
11	S11ANHDOWN	S11ANHDOWN:W11 Anhedonia: S feeling down on yourself	Categ

12	S12ANHDOWN	S12ANHDOWN:W12 Anhedonia: S feeling down on yourself	Categ
13	S13ANHDOWN	S13ANHDOWN:W13 Anhedonia: S feeling down on yourself	Categ
14	S14ANHDOWN	S14ANHDOWN:W14 Anhedonia: S feeling down on yourself	Categ
15	S15ANHDOWN	S15ANHDOWN:W15 Anhedonia: S feeling down on yourself	Categ
16	S16ANHDOWN	S16ANHDOWN:W16 Anhedonia: S feeling down on yourself	Categ
3	R3ANHTHO	R3ANHTHO:W3 Anhedonia: R thoughts about death	Categ
4	R4ANHTHO	R4ANHTHO:W4 Anhedonia: R thoughts about death	Categ
5	R5ANHTHO	R5ANHTHO:W5 Anhedonia: R thoughts about death	Categ
6	R6ANHTHO	R6ANHTHO:W6 Anhedonia: R thoughts about death	Categ
7	R7ANHTHO	R7ANHTHO:W7 Anhedonia: R thoughts about death	Categ
8	R8ANHTHO	R8ANHTHO:W8 Anhedonia: R thoughts about death	Categ
9	R9ANHTHO	R9ANHTHO:W9 Anhedonia: R thoughts about death	Categ
10	R10ANHTHO	R10ANHTHO:W10 Anhedonia: R thoughts about death	Categ
11	R11ANHTHO	R11ANHTHO:W11 Anhedonia: R thoughts about death	Categ
12	R12ANHTHO	R12ANHTHO:W12 Anhedonia: R thoughts about death	Categ
13	R13ANHTHO	R13ANHTHO:W13 Anhedonia: R thoughts about death	Categ
14	R14ANHTHO	R14ANHTHO:W14 Anhedonia: R thoughts about death	Categ
15	R15ANHTHO	R15ANHTHO:W15 Anhedonia: R thoughts about death	Categ
16	R16ANHTHO	R16ANHTHO:W16 Anhedonia: R thoughts about death	Categ
3	S3ANHTHO	S3ANHTHO:W3 Anhedonia: S thoughts about death	Categ
4	S4ANHTHO	S4ANHTHO:W4 Anhedonia: S thoughts about death	Categ
5	S5ANHTHO	S5ANHTHO:W5 Anhedonia: S thoughts about death	Categ
6	S6ANHTHO	S6ANHTHO:W6 Anhedonia: S thoughts about death	Categ
7	S7ANHTHO	S7ANHTHO:W7 Anhedonia: S thoughts about death	Categ
8	S8ANHTHO	S8ANHTHO:W8 Anhedonia: S thoughts about death	Categ
9	S9ANHTHO	S9ANHTHO:W9 Anhedonia: S thoughts about death	Categ
10	S10ANHTHO	S10ANHTHO:W10 Anhedonia: S thoughts about death	Categ
11	S11ANHTHO	S11ANHTHO:W11 Anhedonia: S thoughts about death	Categ
12	S12ANHTHO	S12ANHTHO:W12 Anhedonia: S thoughts about death	Categ
13	S13ANHTHO	S13ANHTHO:W13 Anhedonia: S thoughts about death	Categ
14	S14ANHTHO	S14ANHTHO:W14 Anhedonia: S thoughts about death	Categ
15	S15ANHTHO	S15ANHTHO:W15 Anhedonia: S thoughts about death	Categ
16	S16ANHTHO	S16ANHTHO:W16 Anhedonia: S thoughts about death	Categ
3	R3ANHWKS	R3ANHWKS:W3 Anhedonia: R number of weeks felt anhedonia	Categ
4	R4ANHWKS	R4ANHWKS:W4 Anhedonia: R number of weeks felt anhedonia	Categ
5	R5ANHWKS	R5ANHWKS:W5 Anhedonia: R number of weeks felt anhedonia	Categ
6	R6ANHWKS	R6ANHWKS:W6 Anhedonia: R number of weeks felt anhedonia	Categ
7	R7ANHWKS	R7ANHWKS:W7 Anhedonia: R number of weeks felt anhedonia	Categ
8	R8ANHWKS	R8ANHWKS:W8 Anhedonia: R number of weeks felt anhedonia	Categ
9	R9ANHWKS	R9ANHWKS:W9 Anhedonia: R number of weeks felt anhedonia	Categ
10	R10ANHWKS	R10ANHWKS:W10 Anhedonia: R number of weeks felt anhedonia	Categ
11	R11ANHWKS	R11ANHWKS:W11 Anhedonia: R number of weeks felt anhedonia	Categ
12	R12ANHWKS	R12ANHWKS:W12 Anhedonia: R number of weeks felt anhedonia	Categ
13	R13ANHWKS	R13ANHWKS:W13 Anhedonia: R number of weeks felt anhedonia	Categ
14	R14ANHWKS	R14ANHWKS:W14 Anhedonia: R number of weeks felt anhedonia	Categ
15	R15ANHWKS	R15ANHWKS:W15 Anhedonia: R number of weeks felt anhedonia	Categ
16	R16ANHWKS	R16ANHWKS:W16 Anhedonia: R number of weeks felt anhedonia	Categ
3	S3ANHWKS	S3ANHWKS:W3 Anhedonia: S number of weeks felt anhedonia	Categ
4	S4ANHWKS	S4ANHWKS:W4 Anhedonia: S number of weeks felt anhedonia	Categ
5	S5ANHWKS	S5ANHWKS:W5 Anhedonia: S number of weeks felt anhedonia	Categ
6	S6ANHWKS	S6ANHWKS:W6 Anhedonia: S number of weeks felt anhedonia	Categ
7	S7ANHWKS	S7ANHWKS:W7 Anhedonia: S number of weeks felt anhedonia	Categ
8	S8ANHWKS	S8ANHWKS:W8 Anhedonia: S number of weeks felt anhedonia	Categ
9	S9ANHWKS	S9ANHWKS:W9 Anhedonia: S number of weeks felt anhedonia	Categ
10	S10ANHWKS	S10ANHWKS:W10 Anhedonia: S number of weeks felt anhedonia	Categ
11	S11ANHWKS	S11ANHWKS:W11 Anhedonia: S number of weeks felt anhedonia	Categ
12	S12ANHWKS	S12ANHWKS:W12 Anhedonia: S number of weeks felt anhedonia	Categ
13	S13ANHWKS	S13ANHWKS:W13 Anhedonia: S number of weeks felt anhedonia	Categ
14	S14ANHWKS	S14ANHWKS:W14 Anhedonia: S number of weeks felt anhedonia	Categ
15	S15ANHWKS	S15ANHWKS:W15 Anhedonia: S number of weeks felt anhedonia	Categ
16	S16ANHWKS	S16ANHWKS:W16 Anhedonia: S number of weeks felt anhedonia	Categ
3	R3ANHRECM	R3ANHRECM:W3 Anhedonia: R most recent month felt anhedonia	Categ
4	R4ANHRECM	R4ANHRECM:W4 Anhedonia: R most recent month felt anhedonia	Categ
5	R5ANHRECM	R5ANHRECM:W5 Anhedonia: R most recent month felt anhedonia	Categ
6	R6ANHRECM	R6ANHRECM:W6 Anhedonia: R most recent month felt anhedonia	Categ
7	R7ANHRECM	R7ANHRECM:W7 Anhedonia: R most recent month felt anhedonia	Categ
8	R8ANHRECM	R8ANHRECM:W8 Anhedonia: R most recent month felt anhedonia	Categ

9	R9ANHRECM	R9ANHRECM:W9 Anhedonia: R most recent month felt anhedonia	Categ
10	R10ANHRECM	R10ANHRECM:W10 Anhedonia: R most recent month felt anhedonia	Categ
11	R11ANHRECM	R11ANHRECM:W11 Anhedonia: R most recent month felt anhedonia	Categ
12	R12ANHRECM	R12ANHRECM:W12 Anhedonia: R most recent month felt anhedonia	Categ
13	R13ANHRECM	R13ANHRECM:W13 Anhedonia: R most recent month felt anhedonia	Categ
14	R14ANHRECM	R14ANHRECM:W14 Anhedonia: R most recent month felt anhedonia	Categ
15	R15ANHRECM	R15ANHRECM:W15 Anhedonia: R most recent month felt anhedonia	Categ
16	R16ANHRECM	R16ANHRECM:W16 Anhedonia: R most recent month felt anhedonia	Categ
3	S3ANHRECM	S3ANHRECM:W3 Anhedonia: S most recent month felt anhedonia	Categ
4	S4ANHRECM	S4ANHRECM:W4 Anhedonia: S most recent month felt anhedonia	Categ
5	S5ANHRECM	S5ANHRECM:W5 Anhedonia: S most recent month felt anhedonia	Categ
6	S6ANHRECM	S6ANHRECM:W6 Anhedonia: S most recent month felt anhedonia	Categ
7	S7ANHRECM	S7ANHRECM:W7 Anhedonia: S most recent month felt anhedonia	Categ
8	S8ANHRECM	S8ANHRECM:W8 Anhedonia: S most recent month felt anhedonia	Categ
9	S9ANHRECM	S9ANHRECM:W9 Anhedonia: S most recent month felt anhedonia	Categ
10	S10ANHRECM	S10ANHRECM:W10 Anhedonia: S most recent month felt anhedonia	Categ
11	S11ANHRECM	S11ANHRECM:W11 Anhedonia: S most recent month felt anhedonia	Categ
12	S12ANHRECM	S12ANHRECM:W12 Anhedonia: S most recent month felt anhedonia	Categ
13	S13ANHRECM	S13ANHRECM:W13 Anhedonia: S most recent month felt anhedonia	Categ
14	S14ANHRECM	S14ANHRECM:W14 Anhedonia: S most recent month felt anhedonia	Categ
15	S15ANHRECM	S15ANHRECM:W15 Anhedonia: S most recent month felt anhedonia	Categ
16	S16ANHRECM	S16ANHRECM:W16 Anhedonia: S most recent month felt anhedonia	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3DEPYR	16339	0.15	0.35	0.0	1.0
R4DEPYR	4743	0.17	0.38	0.0	1.0
R5DEPYR	204	0.23	0.42	0.0	1.0
R6DEPYR	190	0.23	0.42	0.0	1.0
R7DEPYR	3255	0.23	0.42	0.0	1.0
R8DEPYR	179	0.23	0.42	0.0	1.0
R9DEPYR	16061	0.14	0.35	0.0	1.0
R10DEPYR	20629	0.16	0.37	0.0	1.0
R11DEPYR	19378	0.15	0.36	0.0	1.0
R12DEPYR	17676	0.16	0.36	0.0	1.0
R13DEPYR	19927	0.19	0.39	0.0	1.0
R14DEPYR	16452	0.15	0.36	0.0	1.0
R15DEPYR	14955	0.18	0.38	0.0	1.0
R16DEPYR	15138	0.19	0.40	0.0	1.0
S3DEPYR	10801	0.13	0.34	0.0	1.0
S4DEPYR	3196	0.15	0.36	0.0	1.0
S5DEPYR	186	0.22	0.41	0.0	1.0
S6DEPYR	176	0.22	0.42	0.0	1.0
S7DEPYR	2272	0.19	0.39	0.0	1.0
S8DEPYR	170	0.22	0.41	0.0	1.0
S9DEPYR	9984	0.11	0.32	0.0	1.0
S10DEPYR	12686	0.13	0.34	0.0	1.0
S11DEPYR	11820	0.12	0.32	0.0	1.0
S12DEPYR	10415	0.13	0.33	0.0	1.0
S13DEPYR	11234	0.15	0.35	0.0	1.0
S14DEPYR	8957	0.12	0.32	0.0	1.0
S15DEPYR	8037	0.14	0.35	0.0	1.0
S16DEPYR	7498	0.15	0.36	0.0	1.0
R3DEPPOR	2370	2.50	1.14	1.0	4.0
R4DEPPOR	801	2.39	1.19	1.0	4.0
R5DEPPOR	47	2.09	1.16	1.0	4.0

R6DEPPOR	44	2.50	1.23	1.0	4.0
R7DEPPOR	738	2.23	1.14	1.0	4.0
R8DEPPOR	41	2.17	1.24	1.0	4.0
R9DEPPOR	2217	2.44	1.15	1.0	4.0
R10DEPPOR	3263	2.32	1.11	1.0	4.0
R11DEPPOR	2865	2.41	1.12	1.0	4.0
R12DEPPOR	2732	2.41	1.09	1.0	4.0
R13DEPPOR	3714	2.44	1.12	1.0	4.0
R14DEPPOR	2472	2.39	1.09	1.0	4.0
R15DEPPOR	2622	2.53	1.08	1.0	4.0
R16DEPPOR	2911	2.48	1.09	1.0	4.0
S3DEPPOR	1411	2.54	1.13	1.0	4.0
S4DEPPOR	479	2.37	1.17	1.0	4.0
S5DEPPOR	40	2.03	1.14	1.0	4.0
S6DEPPOR	39	2.59	1.27	1.0	4.0
S7DEPPOR	435	2.29	1.14	1.0	4.0
S8DEPPOR	37	2.14	1.25	1.0	4.0
S9DEPPOR	1134	2.45	1.15	1.0	4.0
S10DEPPOR	1669	2.35	1.11	1.0	4.0
S11DEPPOR	1406	2.41	1.13	1.0	4.0
S12DEPPOR	1325	2.44	1.10	1.0	4.0
S13DEPPOR	1646	2.46	1.13	1.0	4.0
S14DEPPOR	1031	2.42	1.09	1.0	4.0
S15DEPPOR	1157	2.59	1.07	1.0	4.0
S16DEPPOR	1121	2.57	1.09	1.0	4.0
R3DEPEVD	1197	1.63	0.67	1.0	3.0
R4DEPEVD	430	1.60	0.69	1.0	3.0
R5DEPEVD	32	1.63	0.75	1.0	3.0
R6DEPEVD	23	1.57	0.73	1.0	3.0
R7DEPEVD	450	1.64	0.66	1.0	3.0
R8DEPEVD	26	1.42	0.64	1.0	3.0
R9DEPEVD	1158	1.62	0.69	1.0	3.0
R10DEPEVD	1881	1.65	0.68	1.0	3.0
R11DEPEVD	1552	1.72	0.69	1.0	3.0
R12DEPEVD	1498	1.73	0.70	1.0	3.0
R13DEPEVD	1967	1.72	0.71	1.0	3.0
R14DEPEVD	1359	1.69	0.70	1.0	3.0
R15DEPEVD	1290	1.75	0.69	1.0	3.0
R16DEPEVD	1519	1.75	0.68	1.0	3.0
S3DEPEVD	685	1.63	0.66	1.0	3.0
S4DEPEVD	268	1.63	0.70	1.0	3.0
S5DEPEVD	28	1.57	0.69	1.0	3.0
S6DEPEVD	18	1.61	0.78	1.0	3.0
S7DEPEVD	258	1.64	0.66	1.0	3.0
S8DEPEVD	24	1.42	0.65	1.0	3.0
S9DEPEVD	593	1.65	0.69	1.0	3.0
S10DEPEVD	952	1.66	0.66	1.0	3.0
S11DEPEVD	753	1.73	0.69	1.0	3.0
S12DEPEVD	710	1.68	0.69	1.0	3.0
S13DEPEVD	862	1.74	0.70	1.0	3.0
S14DEPEVD	539	1.69	0.70	1.0	3.0
S15DEPEVD	548	1.76	0.70	1.0	3.0
S16DEPEVD	550	1.80	0.66	1.0	3.0
R3DEPLOS	1068	0.71	0.45	0.0	1.0
R4DEPLOS	380	0.75	0.44	0.0	1.0

R5DEPLOS	27	0.81	0.40	0.0	1.0
R6DEPLOS	20	0.65	0.49	0.0	1.0
R7DEPLOS	404	0.85	0.35	0.0	1.0
R8DEPLOS	24	0.92	0.28	0.0	1.0
R9DEPLOS	1019	0.79	0.41	0.0	1.0
R10DEPLOS	1662	0.82	0.38	0.0	1.0
R11DEPLOS	1336	0.81	0.39	0.0	1.0
R12DEPLOS	1275	0.83	0.38	0.0	1.0
R13DEPLOS	1667	0.84	0.36	0.0	1.0
R14DEPLOS	1171	0.87	0.33	0.0	1.0
R15DEPLOS	1104	0.86	0.35	0.0	1.0
R16DEPLOS	1303	0.86	0.35	0.0	1.0
S3DEPLOS	616	0.69	0.46	0.0	1.0
S4DEPLOS	233	0.72	0.45	0.0	1.0
S5DEPLOS	25	0.80	0.41	0.0	1.0
S6DEPLOS	15	0.80	0.41	0.0	1.0
S7DEPLOS	231	0.84	0.37	0.0	1.0
S8DEPLOS	22	0.91	0.29	0.0	1.0
S9DEPLOS	519	0.78	0.41	0.0	1.0
S10DEPLOS	848	0.81	0.39	0.0	1.0
S11DEPLOS	649	0.80	0.40	0.0	1.0
S12DEPLOS	620	0.81	0.39	0.0	1.0
S13DEPLOS	731	0.83	0.38	0.0	1.0
S14DEPLOS	461	0.88	0.33	0.0	1.0
S15DEPLOS	464	0.85	0.36	0.0	1.0
S16DEPLOS	473	0.84	0.37	0.0	1.0
R3DEPTIR	1067	0.84	0.36	0.0	1.0
R4DEPTIR	377	0.82	0.38	0.0	1.0
R5DEPTIR	27	0.74	0.45	0.0	1.0
R6DEPTIR	20	0.85	0.37	0.0	1.0
R7DEPTIR	404	0.92	0.28	0.0	1.0
R8DEPTIR	24	0.88	0.34	0.0	1.0
R9DEPTIR	1018	0.87	0.33	0.0	1.0
R10DEPTIR	1661	0.91	0.29	0.0	1.0
R11DEPTIR	1335	0.88	0.33	0.0	1.0
R12DEPTIR	1272	0.89	0.31	0.0	1.0
R13DEPTIR	1666	0.89	0.32	0.0	1.0
R14DEPTIR	1171	0.89	0.31	0.0	1.0
R15DEPTIR	1101	0.86	0.35	0.0	1.0
R16DEPTIR	1298	0.85	0.35	0.0	1.0
S3DEPTIR	616	0.85	0.36	0.0	1.0
S4DEPTIR	230	0.83	0.38	0.0	1.0
S5DEPTIR	25	0.72	0.46	0.0	1.0
S6DEPTIR	15	0.87	0.35	0.0	1.0
S7DEPTIR	231	0.92	0.27	0.0	1.0
S8DEPTIR	22	0.86	0.35	0.0	1.0
S9DEPTIR	518	0.87	0.34	0.0	1.0
S10DEPTIR	845	0.92	0.27	0.0	1.0
S11DEPTIR	650	0.87	0.34	0.0	1.0
S12DEPTIR	617	0.89	0.32	0.0	1.0
S13DEPTIR	732	0.90	0.31	0.0	1.0
S14DEPTIR	462	0.89	0.31	0.0	1.0
S15DEPTIR	463	0.86	0.34	0.0	1.0
S16DEPTIR	472	0.85	0.36	0.0	1.0
R3DEPNOAP	1066	0.59	0.49	0.0	1.0

R4DEPNOAP	379	0.51	0.50	0.0	1.0
R5DEPNOAP	27	0.56	0.51	0.0	1.0
R6DEPNOAP	20	0.45	0.51	0.0	1.0
R7DEPNOAP	403	0.64	0.48	0.0	1.0
R8DEPNOAP	24	0.67	0.48	0.0	1.0
R9DEPNOAP	1015	0.61	0.49	0.0	1.0
R10DEPNOAP	1661	0.64	0.48	0.0	1.0
R11DEPNOAP	1332	0.66	0.47	0.0	1.0
R12DEPNOAP	1272	0.68	0.47	0.0	1.0
R13DEPNOAP	1665	0.67	0.47	0.0	1.0
R14DEPNOAP	1170	0.67	0.47	0.0	1.0
R15DEPNOAP	1101	0.65	0.48	0.0	1.0
R16DEPNOAP	1300	0.66	0.47	0.0	1.0
S3DEPNOAP	614	0.54	0.50	0.0	1.0
S4DEPNOAP	233	0.48	0.50	0.0	1.0
S5DEPNOAP	25	0.56	0.51	0.0	1.0
S6DEPNOAP	15	0.47	0.52	0.0	1.0
S7DEPNOAP	230	0.58	0.49	0.0	1.0
S8DEPNOAP	22	0.68	0.48	0.0	1.0
S9DEPNOAP	515	0.57	0.49	0.0	1.0
S10DEPNOAP	844	0.62	0.49	0.0	1.0
S11DEPNOAP	645	0.62	0.48	0.0	1.0
S12DEPNOAP	617	0.64	0.48	0.0	1.0
S13DEPNOAP	729	0.64	0.48	0.0	1.0
S14DEPNOAP	461	0.64	0.48	0.0	1.0
S15DEPNOAP	463	0.62	0.48	0.0	1.0
S16DEPNOAP	473	0.62	0.49	0.0	1.0
R3DEPHUN	442	0.31	0.46	0.0	1.0
R4DEPHUN	186	0.35	0.48	0.0	1.0
R5DEPHUN	12	0.42	0.51	0.0	1.0
R6DEPHUN	11	0.36	0.50	0.0	1.0
R7DEPHUN	144	0.51	0.50	0.0	1.0
R8DEPHUN	8	0.38	0.52	0.0	1.0
R9DEPHUN	392	0.31	0.46	0.0	1.0
R10DEPHUN	600	0.41	0.49	0.0	1.0
R11DEPHUN	461	0.33	0.47	0.0	1.0
R12DEPHUN	410	0.37	0.48	0.0	1.0
R13DEPHUN	551	0.38	0.49	0.0	1.0
R14DEPHUN	387	0.39	0.49	0.0	1.0
R15DEPHUN	381	0.34	0.48	0.0	1.0
R16DEPHUN	449	0.35	0.48	0.0	1.0
S3DEPHUN	281	0.32	0.47	0.0	1.0
S4DEPHUN	119	0.36	0.48	0.0	1.0
S5DEPHUN	11	0.45	0.52	0.0	1.0
S6DEPHUN	8	0.50	0.53	0.0	1.0
S7DEPHUN	97	0.47	0.50	0.0	1.0
S8DEPHUN	7	0.43	0.53	0.0	1.0
S9DEPHUN	221	0.35	0.48	0.0	1.0
S10DEPHUN	323	0.42	0.49	0.0	1.0
S11DEPHUN	246	0.30	0.46	0.0	1.0
S12DEPHUN	222	0.36	0.48	0.0	1.0
S13DEPHUN	262	0.34	0.48	0.0	1.0
S14DEPHUN	165	0.30	0.46	0.0	1.0
S15DEPHUN	173	0.33	0.47	0.0	1.0
S16DEPHUN	180	0.32	0.47	0.0	1.0

R3DEPSLE	1069	0.72	0.45	0.0	1.0
R4DEPSLE	378	0.72	0.45	0.0	1.0
R5DEPSLE	27	0.63	0.49	0.0	1.0
R6DEPSLE	20	0.70	0.47	0.0	1.0
R7DEPSLE	404	0.71	0.45	0.0	1.0
R8DEPSLE	22	0.77	0.43	0.0	1.0
R9DEPSLE	1016	0.69	0.46	0.0	1.0
R10DEPSLE	1658	0.71	0.45	0.0	1.0
R11DEPSLE	1334	0.71	0.45	0.0	1.0
R12DEPSLE	1276	0.67	0.47	0.0	1.0
R13DEPSLE	1663	0.68	0.47	0.0	1.0
R14DEPSLE	1170	0.66	0.48	0.0	1.0
R15DEPSLE	1100	0.70	0.46	0.0	1.0
R16DEPSLE	1299	0.66	0.47	0.0	1.0
S3DEPSLE	616	0.69	0.46	0.0	1.0
S4DEPSLE	232	0.71	0.46	0.0	1.0
S5DEPSLE	25	0.60	0.50	0.0	1.0
S6DEPSLE	15	0.73	0.46	0.0	1.0
S7DEPSLE	231	0.66	0.48	0.0	1.0
S8DEPSLE	20	0.75	0.44	0.0	1.0
S9DEPSLE	518	0.67	0.47	0.0	1.0
S10DEPSLE	845	0.69	0.46	0.0	1.0
S11DEPSLE	647	0.69	0.46	0.0	1.0
S12DEPSLE	617	0.67	0.47	0.0	1.0
S13DEPSLE	728	0.66	0.47	0.0	1.0
S14DEPSLE	462	0.65	0.48	0.0	1.0
S15DEPSLE	461	0.68	0.47	0.0	1.0
S16DEPSLE	471	0.63	0.48	0.0	1.0
R3DEPNIT	764	1.72	0.63	1.0	3.0
R4DEPNIT	272	1.67	0.68	1.0	3.0
R5DEPNIT	17	1.88	0.78	1.0	3.0
R6DEPNIT	14	1.71	0.73	1.0	3.0
R7DEPNIT	287	1.63	0.61	1.0	3.0
R8DEPNIT	17	1.53	0.51	1.0	2.0
R9DEPNIT	699	1.70	0.66	1.0	3.0
R10DEPNIT	1175	1.69	0.64	1.0	3.0
R11DEPNIT	944	1.73	0.63	1.0	3.0
R12DEPNIT	856	1.70	0.63	1.0	3.0
R13DEPNIT	1123	1.74	0.65	1.0	3.0
R14DEPNIT	764	1.73	0.63	1.0	3.0
R15DEPNIT	767	1.76	0.65	1.0	3.0
R16DEPNIT	853	1.76	0.65	1.0	3.0
S3DEPNIT	426	1.76	0.64	1.0	3.0
S4DEPNIT	164	1.71	0.67	1.0	3.0
S5DEPNIT	15	1.93	0.80	1.0	3.0
S6DEPNIT	11	1.73	0.65	1.0	3.0
S7DEPNIT	152	1.68	0.64	1.0	3.0
S8DEPNIT	15	1.53	0.52	1.0	2.0
S9DEPNIT	346	1.76	0.68	1.0	3.0
S10DEPNIT	581	1.69	0.64	1.0	3.0
S11DEPNIT	447	1.72	0.63	1.0	3.0
S12DEPNIT	411	1.71	0.63	1.0	3.0
S13DEPNIT	482	1.76	0.65	1.0	3.0
S14DEPNIT	298	1.81	0.62	1.0	3.0
S15DEPNIT	309	1.79	0.63	1.0	3.0
S16DEPNIT	296	1.82	0.65	1.0	3.0

R3DEPCON	1064	0.78	0.42	0.0	1.0
R4DEPCON	380	0.81	0.40	0.0	1.0
R5DEPCON	27	0.81	0.40	0.0	1.0
R6DEPCON	20	0.95	0.22	0.0	1.0
R7DEPCON	404	0.88	0.33	0.0	1.0
R8DEPCON	24	0.88	0.34	0.0	1.0
R9DEPCON	1016	0.79	0.41	0.0	1.0
R10DEPCON	1659	0.85	0.36	0.0	1.0
R11DEPCON	1331	0.82	0.38	0.0	1.0
R12DEPCON	1266	0.83	0.37	0.0	1.0
R13DEPCON	1661	0.85	0.36	0.0	1.0
R14DEPCON	1172	0.85	0.36	0.0	1.0
R15DEPCON	1099	0.84	0.37	0.0	1.0
R16DEPCON	1299	0.81	0.40	0.0	1.0
S3DEPCON	613	0.76	0.43	0.0	1.0
S4DEPCON	233	0.84	0.37	0.0	1.0
S5DEPCON	25	0.80	0.41	0.0	1.0
S6DEPCON	15	1.00	0.00	1.0	1.0
S7DEPCON	231	0.86	0.35	0.0	1.0
S8DEPCON	22	0.86	0.35	0.0	1.0
S9DEPCON	517	0.78	0.41	0.0	1.0
S10DEPCON	845	0.86	0.35	0.0	1.0
S11DEPCON	648	0.83	0.37	0.0	1.0
S12DEPCON	614	0.83	0.38	0.0	1.0
S13DEPCON	731	0.85	0.36	0.0	1.0
S14DEPCON	463	0.85	0.36	0.0	1.0
S15DEPCON	460	0.84	0.37	0.0	1.0
S16DEPCON	472	0.83	0.38	0.0	1.0
R3DEPDOWN	1066	0.52	0.50	0.0	1.0
R4DEPDOWN	378	0.56	0.50	0.0	1.0
R5DEPDOWN	27	0.44	0.51	0.0	1.0
R6DEPDOWN	20	0.65	0.49	0.0	1.0
R7DEPDOWN	403	0.65	0.48	0.0	1.0
R8DEPDOWN	24	0.71	0.46	0.0	1.0
R9DEPDOWN	1015	0.59	0.49	0.0	1.0
R10DEPDOWN	1663	0.67	0.47	0.0	1.0
R11DEPDOWN	1330	0.66	0.47	0.0	1.0
R12DEPDOWN	1274	0.66	0.48	0.0	1.0
R13DEPDOWN	1668	0.67	0.47	0.0	1.0
R14DEPDOWN	1166	0.67	0.47	0.0	1.0
R15DEPDOWN	1098	0.61	0.49	0.0	1.0
R16DEPDOWN	1299	0.64	0.48	0.0	1.0
S3DEPDOWN	615	0.51	0.50	0.0	1.0
S4DEPDOWN	232	0.56	0.50	0.0	1.0
S5DEPDOWN	25	0.40	0.50	0.0	1.0
S6DEPDOWN	15	0.80	0.41	0.0	1.0
S7DEPDOWN	231	0.65	0.48	0.0	1.0
S8DEPDOWN	22	0.68	0.48	0.0	1.0
S9DEPDOWN	518	0.57	0.50	0.0	1.0
S10DEPDOWN	846	0.67	0.47	0.0	1.0
S11DEPDOWN	647	0.65	0.48	0.0	1.0
S12DEPDOWN	616	0.63	0.48	0.0	1.0
S13DEPDOWN	731	0.66	0.47	0.0	1.0
S14DEPDOWN	460	0.69	0.46	0.0	1.0
S15DEPDOWN	462	0.60	0.49	0.0	1.0

S16DEPDOWN	473	0.62	0.49	0.0	1.0
R3DEPTHO	1068	0.69	0.46	0.0	1.0
R4DEPTHO	379	0.63	0.48	0.0	1.0
R5DEPTHO	27	0.59	0.50	0.0	1.0
R6DEPTHO	19	0.58	0.51	0.0	1.0
R7DEPTHO	404	0.62	0.49	0.0	1.0
R8DEPTHO	24	0.54	0.51	0.0	1.0
R9DEPTHO	1015	0.68	0.47	0.0	1.0
R10DEPTHO	1656	0.68	0.47	0.0	1.0
R11DEPTHO	1331	0.70	0.46	0.0	1.0
R12DEPTHO	1274	0.72	0.45	0.0	1.0
R13DEPTHO	1666	0.70	0.46	0.0	1.0
R14DEPTHO	1172	0.70	0.46	0.0	1.0
R15DEPTHO	1093	0.70	0.46	0.0	1.0
R16DEPTHO	1300	0.69	0.46	0.0	1.0
S3DEPTHO	615	0.67	0.47	0.0	1.0
S4DEPTHO	232	0.64	0.48	0.0	1.0
S5DEPTHO	25	0.60	0.50	0.0	1.0
S6DEPTHO	14	0.57	0.51	0.0	1.0
S7DEPTHO	231	0.59	0.49	0.0	1.0
S8DEPTHO	22	0.59	0.50	0.0	1.0
S9DEPTHO	517	0.67	0.47	0.0	1.0
S10DEPTHO	847	0.63	0.48	0.0	1.0
S11DEPTHO	645	0.66	0.47	0.0	1.0
S12DEPTHO	620	0.68	0.47	0.0	1.0
S13DEPTHO	731	0.67	0.47	0.0	1.0
S14DEPTHO	463	0.65	0.48	0.0	1.0
S15DEPTHO	460	0.64	0.48	0.0	1.0
S16DEPTHO	472	0.66	0.47	0.0	1.0
R3DEPWKS	1018	17.77	17.48	1.0	52.0
R4DEPWKS	369	18.18	18.03	1.0	52.0
R5DEPWKS	25	15.16	15.89	2.0	52.0
R6DEPWKS	20	15.35	17.98	1.0	52.0
R7DEPWKS	386	17.27	17.05	1.0	52.0
R8DEPWKS	23	19.17	16.79	3.0	52.0
R9DEPWKS	969	16.56	16.57	0.0	52.0
R10DEPWKS	1599	17.69	16.91	0.0	52.0
R11DEPWKS	1286	18.27	17.07	0.0	52.0
R12DEPWKS	1225	17.90	16.96	0.0	52.0
R13DEPWKS	1606	17.48	16.71	0.0	52.0
R14DEPWKS	1123	19.53	17.23	1.0	52.0
R15DEPWKS	1060	18.23	16.82	0.0	52.0
R16DEPWKS	1247	19.12	16.88	0.0	52.0
S3DEPWKS	585	16.18	16.74	1.0	52.0
S4DEPWKS	226	16.20	16.96	1.0	52.0
S5DEPWKS	23	14.61	15.61	2.0	52.0
S6DEPWKS	15	16.33	17.15	2.0	52.0
S7DEPWKS	222	15.96	15.80	1.0	52.0
S8DEPWKS	21	18.43	17.28	3.0	52.0
S9DEPWKS	501	14.78	15.19	0.0	52.0
S10DEPWKS	822	16.31	16.22	1.0	52.0
S11DEPWKS	630	16.08	16.01	0.0	52.0
S12DEPWKS	593	16.99	16.51	1.0	52.0
S13DEPWKS	707	16.36	16.25	0.0	52.0
S14DEPWKS	443	19.42	17.07	1.0	52.0

S15DEPWKS	452	15.62	16.06	1.0	52.0
S16DEPWKS	452	16.42	15.28	0.0	52.0
R3DEPRECM	890	6.26	3.50	1.0	12.0
R4DEPRECM	309	6.14	3.52	1.0	12.0
R5DEPRECM	22	6.09	3.04	1.0	12.0
R6DEPRECM	17	6.53	3.10	1.0	12.0
R7DEPRECM	343	6.53	3.51	1.0	12.0
R8DEPRECM	20	6.25	3.71	1.0	12.0
R9DEPRECM	862	6.06	3.59	1.0	12.0
R10DEPRECM	1425	6.70	3.57	1.0	12.0
R11DEPRECM	1137	6.32	3.37	1.0	12.0
R12DEPRECM	1100	5.85	3.63	1.0	12.0
R13DEPRECM	1445	6.64	3.52	1.0	12.0
R14DEPRECM	987	6.43	3.43	1.0	12.0
R15DEPRECM	950	6.33	3.48	1.0	12.0
R16DEPRECM	1108	6.39	3.64	1.0	12.0
S3DEPRECM	526	6.10	3.46	1.0	12.0
S4DEPRECM	200	6.17	3.50	1.0	12.0
S5DEPRECM	20	5.95	3.12	1.0	12.0
S6DEPRECM	13	5.92	3.17	1.0	12.0
S7DEPRECM	204	6.65	3.57	1.0	12.0
S8DEPRECM	18	6.00	3.74	1.0	12.0
S9DEPRECM	460	5.96	3.63	1.0	12.0
S10DEPRECM	746	6.57	3.57	1.0	12.0
S11DEPRECM	567	6.26	3.35	1.0	12.0
S12DEPRECM	537	5.79	3.56	1.0	12.0
S13DEPRECM	645	6.75	3.42	1.0	12.0
S14DEPRECM	383	6.42	3.48	1.0	12.0
S15DEPRECM	411	6.37	3.50	1.0	12.0
S16DEPRECM	421	6.38	3.59	1.0	12.0
R3ANHYR	15271	0.07	0.26	0.0	1.0
R4ANHYR	4361	0.06	0.24	0.0	1.0
R5ANHYR	177	0.07	0.26	0.0	1.0
R6ANHYR	169	0.07	0.25	0.0	1.0
R7ANHYR	2851	0.09	0.29	0.0	1.0
R8ANHYR	155	0.08	0.28	0.0	1.0
R9ANHYR	15047	0.07	0.25	0.0	1.0
R10ANHYR	18925	0.09	0.29	0.0	1.0
R11ANHYR	18017	0.09	0.29	0.0	1.0
R12ANHYR	16357	0.09	0.29	0.0	1.0
R13ANHYR	18238	0.10	0.30	0.0	1.0
R14ANHYR	15250	0.09	0.29	0.0	1.0
R15ANHYR	13824	0.10	0.30	0.0	1.0
R16ANHYR	13789	0.11	0.31	0.0	1.0
S3ANHYR	10185	0.07	0.25	0.0	1.0
S4ANHYR	2962	0.06	0.24	0.0	1.0
S5ANHYR	161	0.07	0.26	0.0	1.0
S6ANHYR	160	0.07	0.25	0.0	1.0
S7ANHYR	2041	0.08	0.27	0.0	1.0
S8ANHYR	148	0.07	0.26	0.0	1.0
S9ANHYR	9469	0.06	0.24	0.0	1.0
S10ANHYR	11824	0.08	0.27	0.0	1.0
S11ANHYR	11160	0.08	0.27	0.0	1.0
S12ANHYR	9781	0.08	0.27	0.0	1.0
S13ANHYR	10501	0.08	0.28	0.0	1.0

S14ANHYR	8490	0.07	0.26	0.0	1.0
S15ANHYR	7557	0.08	0.28	0.0	1.0
S16ANHYR	7002	0.09	0.28	0.0	1.0
R3ANHPOR	1102	2.74	1.06	1.0	4.0
R4ANHPOR	273	2.47	1.06	1.0	4.0
R5ANHPOR	13	2.23	1.24	1.0	4.0
R6ANHPOR	11	2.45	1.21	1.0	4.0
R7ANHPOR	265	2.42	1.11	1.0	4.0
R8ANHPOR	13	2.46	1.05	1.0	4.0
R9ANHPOR	1020	2.55	1.09	1.0	4.0
R10ANHPOR	1735	2.58	1.09	1.0	4.0
R11ANHPOR	1657	2.60	1.10	1.0	4.0
R12ANHPOR	1496	2.57	1.06	1.0	4.0
R13ANHPOR	1867	2.58	1.10	1.0	4.0
R14ANHPOR	1398	2.52	1.07	1.0	4.0
R15ANHPOR	1409	2.63	1.05	1.0	4.0
R16ANHPOR	1491	2.67	1.07	1.0	4.0
S3ANHPOR	669	2.78	1.06	1.0	4.0
S4ANHPOR	175	2.50	1.04	1.0	4.0
S5ANHPOR	12	2.33	1.23	1.0	4.0
S6ANHPOR	11	2.45	1.21	1.0	4.0
S7ANHPOR	156	2.46	1.09	1.0	4.0
S8ANHPOR	11	2.73	0.90	1.0	4.0
S9ANHPOR	571	2.57	1.11	1.0	4.0
S10ANHPOR	942	2.62	1.07	1.0	4.0
S11ANHPOR	848	2.61	1.08	1.0	4.0
S12ANHPOR	787	2.62	1.07	1.0	4.0
S13ANHPOR	886	2.56	1.10	1.0	4.0
S14ANHPOR	602	2.54	1.06	1.0	4.0
S15ANHPOR	626	2.63	1.03	1.0	4.0
S16ANHPOR	614	2.70	1.05	1.0	4.0
R3ANHEVD	409	2.02	0.78	1.0	3.0
R4ANHEVD	129	1.96	0.83	1.0	3.0
R5ANHEVD	8	2.13	0.83	1.0	3.0
R6ANHEVD	6	1.67	0.82	1.0	3.0
R7ANHEVD	132	1.89	0.79	1.0	3.0
R8ANHEVD	6	1.83	0.75	1.0	3.0
R9ANHEVD	471	2.01	0.79	1.0	3.0
R10ANHEVD	788	2.10	0.79	1.0	3.0
R11ANHEVD	729	2.16	0.75	1.0	3.0
R12ANHEVD	688	2.14	0.77	1.0	3.0
R13ANHEVD	836	2.15	0.79	1.0	3.0
R14ANHEVD	659	2.09	0.75	1.0	3.0
R15ANHEVD	622	2.19	0.74	1.0	3.0
R16ANHEVD	620	2.14	0.73	1.0	3.0
S3ANHEVD	238	2.01	0.78	1.0	3.0
S4ANHEVD	81	2.01	0.80	1.0	3.0
S5ANHEVD	7	2.14	0.90	1.0	3.0
S6ANHEVD	6	1.67	0.82	1.0	3.0
S7ANHEVD	77	1.95	0.79	1.0	3.0
S8ANHEVD	4	2.00	0.82	1.0	3.0
S9ANHEVD	261	2.02	0.80	1.0	3.0
S10ANHEVD	418	2.10	0.77	1.0	3.0
S11ANHEVD	375	2.13	0.73	1.0	3.0
S12ANHEVD	351	2.15	0.78	1.0	3.0

S13ANHEVD	406	2.15	0.77	1.0	3.0
S14ANHEVD	278	2.08	0.73	1.0	3.0
S15ANHEVD	277	2.22	0.72	1.0	3.0
S16ANHEVD	245	2.15	0.71	1.0	3.0
R3ANHTIR	279	0.86	0.35	0.0	1.0
R4ANHTIR	87	0.90	0.31	0.0	1.0
R5ANHTIR	5	0.80	0.45	0.0	1.0
R6ANHTIR	5	0.80	0.45	0.0	1.0
R7ANHTIR	97	0.85	0.36	0.0	1.0
R8ANHTIR	5	0.80	0.45	0.0	1.0
R9ANHTIR	320	0.88	0.32	0.0	1.0
R10ANHTIR	501	0.88	0.32	0.0	1.0
R11ANHTIR	457	0.88	0.33	0.0	1.0
R12ANHTIR	430	0.90	0.30	0.0	1.0
R13ANHTIR	501	0.87	0.34	0.0	1.0
R14ANHTIR	439	0.89	0.32	0.0	1.0
R15ANHTIR	378	0.84	0.37	0.0	1.0
R16ANHTIR	401	0.84	0.37	0.0	1.0
S3ANHTIR	165	0.87	0.33	0.0	1.0
S4ANHTIR	55	0.89	0.31	0.0	1.0
S5ANHTIR	4	0.75	0.50	0.0	1.0
S6ANHTIR	5	0.80	0.45	0.0	1.0
S7ANHTIR	54	0.85	0.36	0.0	1.0
S8ANHTIR	3	1.00	0.00	1.0	1.0
S9ANHTIR	176	0.86	0.35	0.0	1.0
S10ANHTIR	272	0.88	0.33	0.0	1.0
S11ANHTIR	244	0.86	0.35	0.0	1.0
S12ANHTIR	214	0.91	0.29	0.0	1.0
S13ANHTIR	250	0.86	0.34	0.0	1.0
S14ANHTIR	193	0.89	0.32	0.0	1.0
S15ANHTIR	167	0.83	0.37	0.0	1.0
S16ANHTIR	163	0.84	0.37	0.0	1.0
R3ANHNOAP	279	0.45	0.50	0.0	1.0
R4ANHNOAP	87	0.47	0.50	0.0	1.0
R5ANHNOAP	5	0.40	0.55	0.0	1.0
R6ANHNOAP	5	0.00	0.00	0.0	0.0
R7ANHNOAP	97	0.54	0.50	0.0	1.0
R8ANHNOAP	5	0.40	0.55	0.0	1.0
R9ANHNOAP	319	0.54	0.50	0.0	1.0
R10ANHNOAP	501	0.56	0.50	0.0	1.0
R11ANHNOAP	459	0.59	0.49	0.0	1.0
R12ANHNOAP	429	0.61	0.49	0.0	1.0
R13ANHNOAP	502	0.57	0.50	0.0	1.0
R14ANHNOAP	436	0.60	0.49	0.0	1.0
R15ANHNOAP	379	0.56	0.50	0.0	1.0
R16ANHNOAP	400	0.55	0.50	0.0	1.0
S3ANHNOAP	165	0.42	0.49	0.0	1.0
S4ANHNOAP	55	0.44	0.50	0.0	1.0
S5ANHNOAP	4	0.25	0.50	0.0	1.0
S6ANHNOAP	5	0.00	0.00	0.0	0.0
S7ANHNOAP	54	0.50	0.50	0.0	1.0
S8ANHNOAP	3	0.67	0.58	0.0	1.0
S9ANHNOAP	175	0.50	0.50	0.0	1.0
S10ANHNOAP	271	0.50	0.50	0.0	1.0
S11ANHNOAP	247	0.54	0.50	0.0	1.0

S12ANHNOAP	213	0.54	0.50	0.0	1.0
S13ANHNOAP	251	0.48	0.50	0.0	1.0
S14ANHNOAP	191	0.55	0.50	0.0	1.0
S15ANHNOAP	166	0.52	0.50	0.0	1.0
S16ANHNOAP	162	0.51	0.50	0.0	1.0
R3ANHHUN	152	0.34	0.47	0.0	1.0
R4ANHHUN	46	0.30	0.47	0.0	1.0
R5ANHHUN	2	1.00	0.00	1.0	1.0
R6ANHHUN	5	0.60	0.55	0.0	1.0
R7ANHHUN	45	0.36	0.48	0.0	1.0
R8ANHHUN	3	0.33	0.58	0.0	1.0
R9ANHHUN	145	0.32	0.47	0.0	1.0
R10ANHHUN	217	0.35	0.48	0.0	1.0
R11ANHHUN	189	0.33	0.47	0.0	1.0
R12ANHHUN	166	0.31	0.46	0.0	1.0
R13ANHHUN	216	0.39	0.49	0.0	1.0
R14ANHHUN	173	0.34	0.47	0.0	1.0
R15ANHHUN	166	0.37	0.48	0.0	1.0
R16ANHHUN	180	0.30	0.46	0.0	1.0
S3ANHHUN	95	0.29	0.46	0.0	1.0
S4ANHHUN	31	0.35	0.49	0.0	1.0
S5ANHHUN	2	1.00	0.00	1.0	1.0
S6ANHHUN	5	0.60	0.55	0.0	1.0
S7ANHHUN	27	0.33	0.48	0.0	1.0
S8ANHHUN	1	1.00	.	1.0	1.0
S9ANHHUN	87	0.33	0.47	0.0	1.0
S10ANHHUN	133	0.33	0.47	0.0	1.0
S11ANHHUN	113	0.32	0.47	0.0	1.0
S12ANHHUN	98	0.23	0.43	0.0	1.0
S13ANHHUN	131	0.39	0.49	0.0	1.0
S14ANHHUN	84	0.30	0.46	0.0	1.0
S15ANHHUN	80	0.33	0.47	0.0	1.0
S16ANHHUN	80	0.24	0.43	0.0	1.0
R3ANHSLE	278	0.56	0.50	0.0	1.0
R4ANHSLE	87	0.71	0.46	0.0	1.0
R5ANHSLE	5	0.80	0.45	0.0	1.0
R6ANHSLE	5	0.40	0.55	0.0	1.0
R7ANHSLE	98	0.66	0.48	0.0	1.0
R8ANHSLE	5	0.60	0.55	0.0	1.0
R9ANHSLE	319	0.55	0.50	0.0	1.0
R10ANHSLE	496	0.53	0.50	0.0	1.0
R11ANHSLE	457	0.65	0.48	0.0	1.0
R12ANHSLE	429	0.59	0.49	0.0	1.0
R13ANHSLE	501	0.55	0.50	0.0	1.0
R14ANHSLE	431	0.51	0.50	0.0	1.0
R15ANHSLE	376	0.57	0.50	0.0	1.0
R16ANHSLE	401	0.53	0.50	0.0	1.0
S3ANHSLE	164	0.50	0.50	0.0	1.0
S4ANHSLE	55	0.69	0.47	0.0	1.0
S5ANHSLE	4	0.75	0.50	0.0	1.0
S6ANHSLE	5	0.40	0.55	0.0	1.0
S7ANHSLE	55	0.56	0.50	0.0	1.0
S8ANHSLE	3	0.67	0.58	0.0	1.0
S9ANHSLE	175	0.54	0.50	0.0	1.0
S10ANHSLE	271	0.49	0.50	0.0	1.0

S11ANHSLE	245	0.59	0.49	0.0	1.0
S12ANHSLE	214	0.55	0.50	0.0	1.0
S13ANHSLE	252	0.54	0.50	0.0	1.0
S14ANHSLE	188	0.48	0.50	0.0	1.0
S15ANHSLE	163	0.56	0.50	0.0	1.0
S16ANHSLE	163	0.52	0.50	0.0	1.0
R3ANHNIT	155	1.77	0.64	1.0	3.0
R4ANHNIT	62	1.79	0.73	1.0	3.0
R5ANHNIT	4	2.00	0.82	1.0	3.0
R6ANHNIT	2	2.00	0.00	2.0	2.0
R7ANHNIT	65	1.77	0.68	1.0	3.0
R8ANHNIT	3	2.00	0.00	2.0	2.0
R9ANHNIT	174	1.86	0.72	1.0	3.0
R10ANHNIT	264	1.86	0.65	1.0	3.0
R11ANHNIT	295	1.86	0.60	1.0	3.0
R12ANHNIT	252	1.83	0.64	1.0	3.0
R13ANHNIT	274	1.80	0.68	1.0	3.0
R14ANHNIT	217	1.82	0.64	1.0	3.0
R15ANHNIT	212	1.87	0.66	1.0	3.0
R16ANHNIT	213	1.84	0.65	1.0	3.0
S3ANHNIT	82	1.83	0.64	1.0	3.0
S4ANHNIT	38	1.87	0.74	1.0	3.0
S5ANHNIT	3	2.00	1.00	1.0	3.0
S6ANHNIT	2	2.00	0.00	2.0	2.0
S7ANHNIT	31	1.81	0.60	1.0	3.0
S8ANHNIT	2	2.00	0.00	2.0	2.0
S9ANHNIT	94	1.91	0.73	1.0	3.0
S10ANHNIT	133	1.91	0.67	1.0	3.0
S11ANHNIT	143	1.87	0.55	1.0	3.0
S12ANHNIT	117	1.87	0.66	1.0	3.0
S13ANHNIT	136	1.88	0.65	1.0	3.0
S14ANHNIT	91	1.85	0.65	1.0	3.0
S15ANHNIT	91	1.86	0.64	1.0	3.0
S16ANHNIT	84	1.83	0.62	1.0	3.0
R3ANHCON	278	0.76	0.43	0.0	1.0
R4ANHCON	86	0.72	0.45	0.0	1.0
R5ANHCON	5	1.00	0.00	1.0	1.0
R6ANHCON	5	0.80	0.45	0.0	1.0
R7ANHCON	97	0.80	0.40	0.0	1.0
R8ANHCON	5	1.00	0.00	1.0	1.0
R9ANHCON	319	0.79	0.41	0.0	1.0
R10ANHCON	497	0.76	0.43	0.0	1.0
R11ANHCON	456	0.80	0.40	0.0	1.0
R12ANHCON	426	0.83	0.38	0.0	1.0
R13ANHCON	503	0.81	0.40	0.0	1.0
R14ANHCON	436	0.76	0.43	0.0	1.0
R15ANHCON	377	0.79	0.41	0.0	1.0
R16ANHCON	401	0.80	0.40	0.0	1.0
S3ANHCON	164	0.77	0.42	0.0	1.0
S4ANHCON	54	0.72	0.45	0.0	1.0
S5ANHCON	4	1.00	0.00	1.0	1.0
S6ANHCON	5	0.80	0.45	0.0	1.0
S7ANHCON	54	0.83	0.38	0.0	1.0
S8ANHCON	3	1.00	0.00	1.0	1.0
S9ANHCON	175	0.79	0.41	0.0	1.0

S10ANHCON	270	0.75	0.43	0.0	1.0
S11ANHCON	246	0.80	0.40	0.0	1.0
S12ANHCON	214	0.83	0.37	0.0	1.0
S13ANHCON	252	0.77	0.42	0.0	1.0
S14ANHCON	193	0.78	0.41	0.0	1.0
S15ANHCON	166	0.77	0.43	0.0	1.0
S16ANHCON	162	0.79	0.41	0.0	1.0
R3ANHDOWN	277	0.52	0.50	0.0	1.0
R4ANHDOWN	87	0.53	0.50	0.0	1.0
R5ANHDOWN	5	0.40	0.55	0.0	1.0
R6ANHDOWN	5	0.80	0.45	0.0	1.0
R7ANHDOWN	98	0.57	0.50	0.0	1.0
R8ANHDOWN	5	0.80	0.45	0.0	1.0
R9ANHDOWN	318	0.59	0.49	0.0	1.0
R10ANHDOWN	500	0.57	0.50	0.0	1.0
R11ANHDOWN	455	0.57	0.50	0.0	1.0
R12ANHDOWN	430	0.60	0.49	0.0	1.0
R13ANHDOWN	502	0.58	0.49	0.0	1.0
R14ANHDOWN	437	0.56	0.50	0.0	1.0
R15ANHDOWN	379	0.54	0.50	0.0	1.0
R16ANHDOWN	402	0.55	0.50	0.0	1.0
S3ANHDOWN	163	0.57	0.50	0.0	1.0
S4ANHDOWN	55	0.55	0.50	0.0	1.0
S5ANHDOWN	4	0.25	0.50	0.0	1.0
S6ANHDOWN	5	0.80	0.45	0.0	1.0
S7ANHDOWN	55	0.53	0.50	0.0	1.0
S8ANHDOWN	3	0.67	0.58	0.0	1.0
S9ANHDOWN	175	0.57	0.50	0.0	1.0
S10ANHDOWN	271	0.54	0.50	0.0	1.0
S11ANHDOWN	244	0.58	0.49	0.0	1.0
S12ANHDOWN	214	0.61	0.49	0.0	1.0
S13ANHDOWN	251	0.58	0.49	0.0	1.0
S14ANHDOWN	191	0.60	0.49	0.0	1.0
S15ANHDOWN	167	0.51	0.50	0.0	1.0
S16ANHDOWN	163	0.53	0.50	0.0	1.0
R3ANHTHO	277	0.51	0.50	0.0	1.0
R4ANHTHO	87	0.46	0.50	0.0	1.0
R5ANHTHO	4	0.75	0.50	0.0	1.0
R6ANHTHO	5	0.80	0.45	0.0	1.0
R7ANHTHO	98	0.47	0.50	0.0	1.0
R8ANHTHO	5	0.80	0.45	0.0	1.0
R9ANHTHO	317	0.51	0.50	0.0	1.0
R10ANHTHO	502	0.52	0.50	0.0	1.0
R11ANHTHO	457	0.59	0.49	0.0	1.0
R12ANHTHO	422	0.55	0.50	0.0	1.0
R13ANHTHO	502	0.50	0.50	0.0	1.0
R14ANHTHO	437	0.47	0.50	0.0	1.0
R15ANHTHO	378	0.53	0.50	0.0	1.0
R16ANHTHO	401	0.52	0.50	0.0	1.0
S3ANHTHO	163	0.50	0.50	0.0	1.0
S4ANHTHO	55	0.42	0.50	0.0	1.0
S5ANHTHO	3	0.67	0.58	0.0	1.0
S6ANHTHO	5	0.80	0.45	0.0	1.0
S7ANHTHO	55	0.51	0.50	0.0	1.0
S8ANHTHO	3	1.00	0.00	1.0	1.0

S9ANHTHO	174	0.44	0.50	0.0	1.0
S10ANHTHO	272	0.46	0.50	0.0	1.0
S11ANHTHO	246	0.52	0.50	0.0	1.0
S12ANHTHO	210	0.50	0.50	0.0	1.0
S13ANHTHO	250	0.45	0.50	0.0	1.0
S14ANHTHO	191	0.43	0.50	0.0	1.0
S15ANHTHO	167	0.49	0.50	0.0	1.0
S16ANHTHO	162	0.43	0.50	0.0	1.0
R3ANHWKS	259	15.28	15.56	1.0	52.0
R4ANHWKS	84	15.55	16.95	1.0	52.0
R5ANHWKS	5	24.00	19.35	4.0	52.0
R6ANHWKS	5	7.60	5.94	2.0	15.0
R7ANHWKS	93	12.86	14.80	1.0	52.0
R8ANHWKS	5	14.00	10.22	3.0	26.0
R9ANHWKS	298	13.97	15.16	1.0	52.0
R10ANHWKS	480	13.23	14.70	0.0	52.0
R11ANHWKS	429	13.78	14.73	0.0	52.0
R12ANHWKS	404	13.64	14.43	1.0	52.0
R13ANHWKS	470	14.01	15.65	1.0	52.0
R14ANHWKS	425	17.12	16.76	1.0	52.0
R15ANHWKS	359	15.59	15.64	0.0	52.0
R16ANHWKS	381	15.23	15.17	0.0	52.0
S3ANHWKS	152	14.46	15.27	1.0	52.0
S4ANHWKS	55	11.89	13.89	1.0	52.0
S5ANHWKS	4	21.25	21.19	4.0	52.0
S6ANHWKS	5	7.60	5.94	2.0	15.0
S7ANHWKS	53	10.55	11.40	1.0	52.0
S8ANHWKS	3	16.67	12.10	3.0	26.0
S9ANHWKS	161	12.48	14.09	1.0	52.0
S10ANHWKS	260	11.25	13.49	0.0	52.0
S11ANHWKS	231	12.75	14.05	1.0	52.0
S12ANHWKS	199	13.56	14.81	1.0	52.0
S13ANHWKS	235	12.07	13.45	1.0	52.0
S14ANHWKS	187	18.07	17.80	1.0	52.0
S15ANHWKS	159	15.85	15.98	1.0	52.0
S16ANHWKS	154	14.15	14.50	0.0	52.0
R3ANHRECM	236	6.52	3.74	1.0	12.0
R4ANHRECM	72	5.58	3.97	1.0	12.0
R5ANHRECM	4	7.25	3.77	2.0	11.0
R6ANHRECM	5	7.80	3.83	1.0	10.0
R7ANHRECM	87	7.28	3.48	1.0	12.0
R8ANHRECM	5	4.80	3.03	1.0	7.0
R9ANHRECM	269	6.00	3.69	1.0	12.0
R10ANHRECM	439	6.52	3.68	1.0	12.0
R11ANHRECM	399	6.21	3.55	1.0	12.0
R12ANHRECM	380	6.09	3.74	1.0	12.0
R13ANHRECM	423	6.46	3.56	1.0	12.0
R14ANHRECM	383	6.36	3.64	1.0	12.0
R15ANHRECM	323	6.46	3.64	1.0	12.0
R16ANHRECM	348	6.14	3.76	1.0	12.0
S3ANHRECM	137	6.16	3.88	1.0	12.0
S4ANHRECM	51	5.18	3.71	1.0	12.0
S5ANHRECM	3	7.00	4.58	2.0	11.0
S6ANHRECM	5	7.80	3.83	1.0	10.0
S7ANHRECM	51	7.20	3.26	1.0	12.0

S8ANHRECM	3	5.00	3.46	1.0	7.0
S9ANHRECM	154	6.31	3.83	1.0	12.0
S10ANHRECM	247	6.57	3.64	1.0	12.0
S11ANHRECM	212	6.06	3.57	1.0	12.0
S12ANHRECM	190	5.51	3.66	1.0	12.0
S13ANHRECM	217	6.49	3.64	1.0	12.0
S14ANHRECM	165	6.32	3.67	1.0	12.0
S15ANHRECM	146	6.51	3.61	1.0	12.0
S16ANHRECM	144	6.39	3.95	1.0	12.0

Categorical Variable Codes

RwDEPYR: Depression: R depression in past year

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			4	2			1		16	16
.J=Web interview, missing										
.M=Oth missing			1							2
.P=Answered prev wv				14594	17312	15938	15066	17030		
.R=RF			7			1	5			5
.S=Skip			1640	2045	2062	2036	1802	1260	1140	1382
0.No			13956	3931	157	146	2515	138	13832	17346
1.Yes			2383	812	47	44	740	41	2229	3283

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	28	17	33	12	25	45
.J=Web interview, missing				9	14	8
.M=Oth missing	1		1			3
.P=Answered prev wv						
.R=RF	1	5	10	10	8	9
.S=Skip	1146	1049	941	663	721	584
0.No	16491	14928	16186	13965	12309	12198
1.Yes	2887	2748	3741	2487	2646	2940

SwDEPYR: Depression: S depression in past year

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			1				1		5	6
.J=Web interview, missing										
.M=Oth missing			1							2
.P=Answered prev wv				9377	11134	10103	9491	10773		
.R=RF			3			1	5			2
.S=Skip			1111	1407	1410	1359	1203	792	657	817
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			9385	2711	146	137	1836	133	8846	11011
1.Yes			1416	485	40	39	436	37	1138	1675

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	14	6	15	5	8	16
.J=Web interview, missing				7	10	4
.M=Oth missing	1					1
.P=Answered prev wv						
.R=RF		2	4	5	3	1
.S=Skip	649	589	526	384	419	320
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	10408	9084	9576	7923	6874	6370
1.Yes	1412	1331	1658	1034	1163	1128

RwDEPPOR: Depression: R depressed what portion of day

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			10	10			1		9	16
.J=Web interview, missing										
.M=Oth missing										
.P=Answered prev wv				14594	17312	15938	15066	17030		
.R=RF			3	1			1		3	4
.S=Skip			15608	5978	2219	2183	4323	1398	14988	18751
1.All day long			615	261	20	13	264	18	636	979
2.Most of the day			584	169	12	10	187	8	525	907
3.About half the day			552	165	6	7	141	5	503	717
4.Less than half the day			619	206	9	14	146	10	553	660

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	17	14	24	13	19	24
.J=Web interview, missing					1	1
.M=Oth missing						1
.P=Answered prev wv						
.R=RF	5	2	3	2	4	3
.S=Skip	17667	15999	17171	14659	13077	12847
1.All day long	782	706	984	662	571	673
2.Most of the day	779	801	998	701	723	850
3.About half the day	638	634	857	596	687	692
4.Less than half the day	666	591	875	513	641	696

SwDEPPOR: Depression: S depressed what portion of day

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			3	6					3	4
.J=Web interview, missing										
.M=Oth missing										
.P=Answered prev wv				9377	11134	10103	9491	10773		
.R=RF			2				1		1	2
.S=Skip			10501	4118	1556	1497	3045	925	9508	11838
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
1.All day long			340	153	18	12	146	17	319	485
2.Most of the day			346	115	10	6	112	7	276	468
3.About half the day			344	93	5	7	84	4	251	365
4.Less than half the day			381	118	7	14	93	9	288	351

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	5	5	12	3	6	4
.J=Web interview, missing						1
.M=Oth missing						1
.P=Answered prev wv						
.R=RF	1	1				1
.S=Skip	11072	9681	10121	8324	7314	6712
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.All day long	399	335	438	272	225	225
2.Most of the day	356	377	428	270	325	327
3.About half the day	321	311	366	270	306	270
4.Less than half the day	330	302	414	219	301	299

RwDEPEVD: Depression: R depressed every day

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			2				1		3	5
.J=Web interview, missing										
.P=Answered prev wv				14594	17312	15938	15066	17030		
.R=RF										
.S=Skip			16792	6360	2234	2204	4612	1413	16056	20148
1.Every day			567	224	17	13	210	17	576	871
2.Almost every day			502	156	10	7	194	7	443	795
3.Less often			128	50	5	3	46	2	139	215

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	8	9	13	3	3	4
.J=Web interview, missing				1		
.P=Answered prev wv						
.R=RF	1		2		1	
.S=Skip	18993	17240	18930	15783	14429	14264
1.Every day	642	620	853	600	511	597
2.Almost every day	698	661	818	574	594	710
3.Less often	212	217	296	185	185	212

SwDEPEVD: Depression: S depressed every day

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			1						2	1
.J=Web interview, missing										
.P=Answered prev wv				9377	11134	10103	9491	10773		
.R=RF										
.S=Skip			11231	4335	1568	1518	3223	938	10051	12560
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
1.Every day			320	135	15	10	119	16	279	428
2.Almost every day			296	98	10	5	112	6	240	421
3.Less often			69	35	3	3	27	2	74	103

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	2	2	3	2	2	2
.J=Web interview, missing				1		
.P=Answered prev wv						
.R=RF			1			
.S=Skip	11729	10300	10913	8816	7927	7288
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Every day	307	318	356	241	215	188
2.Almost every day	344	303	376	222	250	285
3.Less often	102	89	130	76	83	77

RwDEPLOS: Depression: R loss of interest

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										4
.P=Answered prev wv				14594	17312	15938	15066	17030		
.R=RF			1							
.S=Skip			16922	6410	2239	2207	4659	1415	16198	20368
0.No			305	96	5	7	59	2	215	295
1.Yes			763	284	22	13	345	22	804	1367

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	4	6	4	1	1	3
.P=Answered prev wv						
.R=RF				2		1
.S=Skip	19214	17466	19241	15972	14618	14480
0.No	249	221	259	150	160	181
1.Yes	1087	1054	1408	1021	944	1122

SwDEPLOS: Depression: S loss of interest

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										1
.P=Answered prev wv				9377	11134	10103	9491	10773		
.R=RF										
.S=Skip			11301	4370	1571	1521	3250	940	10127	12664
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			194	66	5	3	38	2	114	162
1.Yes			422	167	20	12	193	20	405	686

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	2	1	1	1	1	
.P=Answered prev wv						
.R=RF				1		
.S=Skip	11833	10391	11047	8895	8012	7367
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	129	115	124	56	69	77
1.Yes	520	505	607	405	395	396

RwDEPTIR: Depression: R feeling tired

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			2	3					1	5
.J=Web interview, missing										
.P=Answered prev wv				14594	17312	15938	15066	17030		
.R=RF										
.S=Skip			16922	6410	2239	2207	4659	1415	16198	20368
0.No			168	67	7	3	34	3	130	151
1.Yes			899	310	20	17	370	21	888	1510

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	5	9	5	2	3	8
.J=Web interview, missing					1	
.P=Answered prev wv						
.R=RF				1		1
.S=Skip	19214	17466	19241	15972	14618	14480
0.No	166	134	189	127	155	191
1.Yes	1169	1138	1477	1044	946	1107

SwDEPTIR: Depression: S feeling tired

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA				3					1	4
.P=Answered prev wv				9377	11134	10103	9491	10773		
.S=Skip			11301	4370	1571	1521	3250	940	10127	12664
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			95	40	7	2	18	3	69	69
1.Yes			521	190	18	13	213	19	449	776

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	1	4		1	2	1
.P=Answered prev wv						
.S=Skip	11833	10391	11047	8895	8012	7367
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	85	69	76	49	63	72
1.Yes	565	548	656	413	400	400

RwDEPNOAP: Depression: R lose appetite

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			3	1			1		4	5
.P=Answered prev wv				14594	17312	15938	15066	17030		
.R=RF										
.S=Skip			16922	6410	2239	2207	4659	1415	16198	20368
0.No			440	186	12	11	144	8	391	602
1.Yes			626	193	15	9	259	16	624	1059

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	8	9	6	3	4	6
.P=Answered prev wv						
.R=RF				1		1
.S=Skip	19214	17466	19241	15972	14618	14480
0.No	457	407	547	386	383	445
1.Yes	875	865	1118	784	718	855

SwDEPNOAP: Depression: S lose appetite

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			2				1		4	5
.P=Answered prev wv				9377	11134	10103	9491	10773		
.R=RF										
.S=Skip			11301	4370	1571	1521	3250	940	10127	12664
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			280	120	11	8	97	7	219	322
1.Yes			334	113	14	7	133	15	296	522

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	6	4	3	1	2	
.P=Answered prev wv						
.R=RF				1		
.S=Skip	11833	10391	11047	8895	8012	7367
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	243	220	259	165	174	180
1.Yes	402	397	470	296	289	293

RwDEPHUN: Depression: R appetite increased

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			1	1			1		3	7
.P=Answered prev wv				14594	17312	15938	15066	17030		
.R=RF										
.S=Skip			17548	6603	2254	2216	4918	1431	16822	21427
0.No			304	120	7	7	71	5	269	353
1.Yes			138	66	5	4	73	3	123	247

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	4	6	2	2	6	2
.P=Answered prev wv						
.R=RF				1		1
.S=Skip	20089	18331	20359	16756	15336	15335
0.No	307	259	341	238	250	290
1.Yes	154	151	210	149	131	159

SwDEPHUN: Depression: S appetite increased

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			1	1			1		2	4
.P=Answered prev wv				9377	11134	10103	9491	10773		
.S=Skip			11635	4483	1585	1528	3383	955	10423	13186
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			192	76	6	4	51	4	144	186
1.Yes			89	43	5	4	46	3	77	137

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	3	2		2	3	
.P=Answered prev wv						
.S=Skip	12235	10788	11517	9191	8301	7660
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	173	143	172	115	116	122
1.Yes	73	79	90	50	57	58

RwDEPSLE: Depression: R trouble falling asleep

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA				2				2	3	8
.P=Answered prev wv				14594	17312	15938	15066	17030		
.S=Skip			16922	6410	2239	2207	4659	1415	16198	20368
0.No			302	105	10	6	117	5	316	475
1.Yes			767	273	17	14	287	17	700	1183

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	6	5	8	4	5	8
.P=Answered prev wv						
.S=Skip	19214	17466	19241	15972	14618	14480
0.No	385	415	537	403	329	440
1.Yes	949	861	1126	767	771	859

SwDEPSLE: Depression: S trouble falling asleep

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA				1				2	1	4
.P=Answered prev wv				9377	11134	10103	9491	10773		
.S=Skip			11301	4370	1571	1521	3250	940	10127	12664
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			188	68	10	4	79	5	171	260
1.Yes			428	164	15	11	152	15	347	585

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	4	4	4	1	4	2
.P=Answered prev wv						
.S=Skip	11833	10391	11047	8895	8012	7367
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	199	203	246	162	149	173
1.Yes	448	414	482	300	312	298

RwDEPNIT: Depression: R frequency of sleep trouble

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			2	1					1	8
.P=Answered prev wv				14594	17312	15938	15066	17030		
.R=RF			1							
.S=Skip			17224	6517	2249	2213	4776	1422	16517	20851
1.Every night			286	124	6	6	126	8	286	485
2.Nearly every night			404	115	7	6	141	9	334	574
3.Less often			74	33	4	2	20		79	116

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	5	5	3	2	4	6
.P=Answered prev wv						
.R=RF				1		
.S=Skip	19605	17886	19786	16379	14952	14928
1.Every night	350	336	422	282	275	303
2.Nearly every night	499	437	575	403	398	450
3.Less often	95	83	126	79	94	100

SwDEPNIT: Depression: S frequency of sleep trouble

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			1						1	4
.P=Answered prev wv				9377	11134	10103	9491	10773		
.R=RF			1							
.S=Skip			11489	4439	1581	1525	3329	947	10299	12928
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
1.Every night			151	68	5	4	63	7	133	237
2.Nearly every night			226	76	6	6	75	8	164	287
3.Less often			49	20	4	1	14		49	57

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	1	3		2	3	2
.P=Answered prev wv						
.R=RF						
.S=Skip	12036	10598	11297	9058	8165	7542
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Every night	169	159	172	92	101	95
2.Nearly every night	233	213	252	172	173	160
3.Less often	45	39	58	34	35	41

RwDEPCON: Depression: R trouble concentrating

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			4						3	7
.J=Web interview, missing										
.P=Answered prev wv				14594	17312	15938	15066	17030		
.R=RF			1							
.S=Skip			16922	6410	2239	2207	4659	1415	16198	20368
0.No			237	74	5	1	49	3	214	252
1.Yes			827	306	22	19	355	21	802	1407

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	8	15	9	1	6	7
.J=Web interview, missing				1		1
.P=Answered prev wv						
.R=RF	1		1			
.S=Skip	19214	17466	19241	15972	14618	14480
0.No	236	209	255	180	181	252
1.Yes	1095	1057	1406	992	918	1047

SwDEPCON: Depression: S trouble concentrating

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			2						2	4
.P=Answered prev wv				9377	11134	10103	9491	10773		
.R=RF			1							
.S=Skip			11301	4370	1571	1521	3250	940	10127	12664
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			145	37	5		32	3	114	121
1.Yes			468	196	20	15	199	19	403	724

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	3	7	1		5	1
.P=Answered prev wv						
.R=RF						
.S=Skip	11833	10391	11047	8895	8012	7367
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	109	104	110	71	74	80
1.Yes	539	510	621	392	386	392

RwDEPDOWN: Depression: R feeling down on yourself

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			2	2			1		4	3
.J=Web interview, missing										
.P=Answered prev wv				14594	17312	15938	15066	17030		
.R=RF			1							
.S=Skip			16922	6410	2239	2207	4659	1415	16198	20368
0.No			509	166	15	7	140	7	416	550
1.Yes			557	212	12	13	263	17	599	1113

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	8	7	3	5	6	8
.J=Web interview, missing				2		
.P=Answered prev wv						
.R=RF	2			1	1	
.S=Skip	19214	17466	19241	15972	14618	14480
0.No	452	439	556	388	432	465
1.Yes	878	835	1112	778	666	834

SwDEPDOWN: Depression: S feeling down on yourself

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA				1					1	3
.J=Web interview, missing										
.P=Answered prev wv				9377	11134	10103	9491	10773		
.R=RF			1							
.S=Skip			11301	4370	1571	1521	3250	940	10127	12664
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			304	103	15	3	81	7	222	279
1.Yes			311	129	10	12	150	15	296	567

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	3	5	1	2	3	
.J=Web interview, missing				1		
.P=Answered prev wv						
.R=RF	1					
.S=Skip	11833	10391	11047	8895	8012	7367
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	225	230	248	143	186	181
1.Yes	422	386	483	317	276	292

RwDEPTHO: Depression: R thoughts about death

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA				1		1			3	5
.J=Web interview, missing										
.P=Answered prev wv				14594	17312	15938	15066	17030		
.R=RF			1						1	5
.S=Skip			16922	6410	2239	2207	4659	1415	16198	20368
0.No			331	139	11	8	153	11	326	532
1.Yes			737	240	16	11	251	13	689	1124

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	8	5	3		8	7
.J=Web interview, missing				1	1	
.P=Answered prev wv						
.R=RF	1	2	2	1	3	
.S=Skip	19214	17466	19241	15972	14618	14480
0.No	397	351	498	355	325	409
1.Yes	934	923	1168	817	768	891

SwDEPTHO: Depression: S thoughts about death

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA				1		1			1	
.J=Web interview, missing										
.P=Answered prev wv				9377	11134	10103	9491	10773		
.R=RF			1						1	2
.S=Skip			11301	4370	1571	1521	3250	940	10127	12664
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			200	83	10	6	94	9	170	313
1.Yes			415	149	15	8	137	13	347	534

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	5	1	1		2	1
.J=Web interview, missing					1	
.P=Answered prev wv						
.R=RF	1				2	
.S=Skip	11833	10391	11047	8895	8012	7367
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	219	197	243	162	164	160
1.Yes	426	423	488	301	296	312

RwANHYR: Anhedonia: R anhedonia in past year

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			3	3		1			10	49
.J=Web interview, missing										
.M=Oth missing			1							3
.P=Answered prev wv				14594	17312	15938	15066	17030		
.R=RF			7	1		1	6		1	9
.S=Skip			2709	2425	2089	2056	2206	1284	2159	3048
0.No			14155	4084	164	158	2584	142	14018	17171
1.Yes			1116	277	13	11	267	13	1029	1754

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	43	52	45	42	57	91
.J=Web interview, missing				3	6	5
.M=Oth missing	1		1			3
.P=Answered prev wv						
.R=RF	7	8	16	14	10	8
.S=Skip	2486	2330	2612	1837	1826	1891
0.No	16342	14845	16359	13833	12404	12289
1.Yes	1675	1512	1879	1417	1420	1500

SwANHYR: Anhedonia: S anhedonia in past year

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA				1		1			1	18
.J=Web interview, missing										
.M=Oth missing			1							2
.P=Answered prev wv				9377	11134	10103	9491	10773		
.R=RF			4			1	6			3
.S=Skip			1727	1640	1435	1374	1434	814	1176	1666
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			9510	2783	149	149	1885	137	8895	10873
1.Yes			675	179	12	11	156	11	574	951

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	21	19	17	14	28	37
.J=Web interview, missing				2	4	4
.M=Oth missing	1					
.P=Answered prev wv						
.R=RF	2	2	3	5	4	4
.S=Skip	1300	1210	1258	847	884	793
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	10306	8989	9613	7882	6925	6383
1.Yes	854	792	888	608	632	619

RwANHPOR: Anhedonia: R anhedonia what portion of day

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			11	4			2		9	16
.J=Web interview, missing										
.M=Oth missing			1							
.P=Answered prev wv				14594	17312	15938	15066	17030		
.R=RF			2							3
.S=Skip			16875	6513	2253	2216	4796	1426	16188	20280
1.All day long			196	67	5	3	76	3	230	371
2.Most of the day			215	63	3	3	56	3	245	426
3.About half the day			373	90	2	2	79	5	301	499
4.Less than half the day			318	53	3	3	54	2	244	439

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	16	16	10	14	11	9
.J=Web interview, missing				2		
.M=Oth missing						
.P=Answered prev wv						
.R=RF	2		2	3		
.S=Skip	18879	17235	19033	15729	14303	14287
1.All day long	357	307	417	313	254	276
2.Most of the day	379	388	430	352	379	351
3.About half the day	483	447	537	422	412	458
4.Less than half the day	438	354	483	311	364	406

SwANHPOR: Anhedonia: S anhedonia what portion of day

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			4	4					3	8
.J=Web interview, missing										
.M=Oth missing			1							
.P=Answered prev wv				9377	11134	10103	9491	10773		
.R=RF			1							1
.S=Skip			11242	4424	1584	1525	3325	951	10072	12562
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
1.All day long			111	39	4	3	40	1	131	182
2.Most of the day			128	43	3	3	37	3	132	238
3.About half the day			224	59	2	2	46	5	161	276
4.Less than half the day			206	34	3	3	33	2	147	246

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	6	5	2	4	6	5
.J=Web interview, missing				1		
.M=Oth missing						
.P=Answered prev wv						
.R=RF				1		
.S=Skip	11630	10220	10891	8750	7845	7221
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.All day long	172	151	202	131	105	105
2.Most of the day	204	203	209	149	179	143
3.About half the day	253	230	249	187	187	200
4.Less than half the day	219	203	226	135	155	166

RwANHEVD: Anhedonia: R anhedonia every day

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			2	1					4	9
.J=Web interview, missing										
.P=Answered prev wv				14594	17312	15938	15066	17030		
.R=RF										
.S=Skip			17580	6660	2258	2221	4931	1433	16742	21237
1.Every day			121	47	2	3	49	2	145	210
2.Almost every day			158	40	3	2	49	3	175	292
3.Less often			130	42	3	1	34	1	151	286

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	7	7	9	5	11	3
.J=Web interview, missing				1		1
.P=Answered prev wv						
.R=RF			2			3
.S=Skip	19818	18052	20065	16481	15090	15160
1.Every day	155	160	205	157	121	129
2.Almost every day	305	270	299	283	261	274
3.Less often	269	258	332	219	240	217

SwANHEVD: Anhedonia: S anhedonia every day

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			1	1					2	2
.J=Web interview, missing										
.P=Answered prev wv				9377	11134	10103	9491	10773		
.R=RF										
.S=Skip			11678	4521	1589	1530	3404	958	10383	13093
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
1.Every day			70	25	2	3	26	1	80	103
2.Almost every day			95	30	2	2	29	2	96	169
3.Less often			73	26	3	1	22	1	85	146

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	1	3	4	2	7	1
.J=Web interview, missing						1
.P=Answered prev wv						
.R=RF			1			1
.S=Skip	12108	10658	11368	9078	8193	7592
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Every day	78	85	93	63	49	46
2.Almost every day	169	129	159	130	119	117
3.Less often	128	137	154	85	109	82

RwANHTIR: Anhedonia: R feeling tired

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA							1			1
.P=Answered prev wv				14594	17312	15938	15066	17030		
.S=Skip			17712	6703	2261	2222	4965	1434	16897	21532
0.No			39	9	1	1	15	1	38	58
1.Yes			240	78	4	4	82	4	282	443

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	3		3	1	4	2
.P=Answered prev wv						
.S=Skip	20094	18317	20408	16706	15341	15384
0.No	56	43	67	49	61	66
1.Yes	401	387	434	390	317	335

SwANHTIR: Anhedonia: S feeling tired

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA							1			
.P=Answered prev wv				9377	11134	10103	9491	10773		
.S=Skip			11752	4548	1592	1531	3426	959	10470	13241
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			21	6	1	1	8		25	34
1.Yes			144	49	3	4	46	3	151	238

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	3		2		1	
.P=Answered prev wv						
.S=Skip	12237	10798	11527	9165	8309	7677
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	34	20	34	22	28	26
1.Yes	210	194	216	171	139	137

RwANHNOAP: Anhedonia: R lose appetite

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA							1		1	1
.J=Web interview, missing										
.P=Answered prev wv				14594	17312	15938	15066	17030		
.S=Skip			17712	6703	2261	2222	4965	1434	16897	21532
0.No			153	46	3	5	45	3	146	219
1.Yes			126	41	2		52	2	173	282

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	1	1	2	4	3	1
.J=Web interview, missing						2
.P=Answered prev wv						
.S=Skip	20094	18317	20408	16706	15341	15384
0.No	190	166	217	174	166	179
1.Yes	269	263	285	262	213	221

SwANHNOAP: Anhedonia: S lose appetite

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA							1		1	1
.J=Web interview, missing										
.P=Answered prev wv				9377	11134	10103	9491	10773		
.S=Skip			11752	4548	1592	1531	3426	959	10470	13241
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			96	31	3	5	27	1	87	135
1.Yes			69	24	1		27	2	88	136

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA		1	1	2	2	
.J=Web interview, missing						1
.P=Answered prev wv						
.S=Skip	12237	10798	11527	9165	8309	7677
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	114	98	131	85	79	80
1.Yes	133	115	120	106	87	82

RwANHHUN: Anhedonia: R appetite increased

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA					1		1		2	3
.P=Answered prev wv				14594	17312	15938	15066	17030		
.R=RF			1							
.S=Skip			17838	6744	2263	2222	5017	1436	17070	21814
0.No			101	32		2	29	2	99	141
1.Yes			51	14	2	3	16	1	46	76

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	2	1	3	5	3	2
.P=Answered prev wv						
.R=RF						
.S=Skip	20363	18580	20693	16968	15554	15605
0.No	127	115	131	115	105	126
1.Yes	62	51	85	58	61	54

SwANHHUN: Anhedonia: S appetite increased

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA					1		1		1	3
.P=Answered prev wv				9377	11134	10103	9491	10773		
.R=RF			1							
.S=Skip			11821	4572	1593	1531	3453	961	10558	13377
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			67	20		2	18		58	89
1.Yes			28	11	2	3	9	1	29	44

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	1	1	1	3	1	1
.P=Answered prev wv						
.R=RF						
.S=Skip	12370	10913	11647	9271	8396	7759
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	77	75	80	59	54	61
1.Yes	36	23	51	25	26	19

RwANHSLE: Anhedonia: R trouble falling asleep

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			1						1	6
.J=Web interview, missing										
.P=Answered prev wv				14594	17312	15938	15066	17030		
.S=Skip			17712	6703	2261	2222	4965	1434	16897	21532
0.No			123	25	1	3	33	2	144	232
1.Yes			155	62	4	2	65	3	175	264

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	3	1	3	8	6	2
.J=Web interview, missing				1		
.P=Answered prev wv						
.S=Skip	20094	18317	20408	16706	15341	15384
0.No	159	176	227	213	161	188
1.Yes	298	253	274	218	215	213

SwANHSLE: Anhedonia: S trouble falling asleep

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			1						1	1
.P=Answered prev wv				9377	11134	10103	9491	10773		
.S=Skip			11752	4548	1592	1531	3426	959	10470	13241
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			82	17	1	3	24	1	80	138
1.Yes			82	38	3	2	31	2	95	133

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	2			5	5	
.P=Answered prev wv						
.S=Skip	12237	10798	11527	9165	8309	7677
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	101	96	116	97	71	79
1.Yes	144	118	136	91	92	84

RwANHNIT: Anhedonia: R frequency of sleep trouble

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA									1	
.P=Answered prev wv				14594	17312	15938	15066	17030		
.S=Skip			17836	6728	2262	2225	4998	1436	17042	21770
1.Every night			53	24	1		24		59	77
2.Nearly every night			84	27	2	2	32	3	81	147
3.Less often			18	11	1		9		34	40

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	3	1		1	3	
.P=Answered prev wv						
.S=Skip	20256	18494	20638	16928	15508	15574
1.Every night	77	76	96	67	62	64
2.Nearly every night	182	142	137	122	116	119
3.Less often	36	34	41	28	34	30

SwANHNIT: Anhedonia: S frequency of sleep trouble

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA									1	
.P=Answered prev wv				9377	11134	10103	9491	10773		
.S=Skip			11835	4565	1593	1534	3450	960	10551	13380
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
1.Every night			25	13	1		9		29	36
2.Nearly every night			46	17	1	2	19	2	44	73
3.Less often			11	8	1		3		21	24

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	1	1			1	
.P=Answered prev wv						
.S=Skip	12340	10894	11643	9267	8385	7756
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Every night	32	34	38	27	26	24
2.Nearly every night	97	64	77	51	52	50
3.Less often	14	19	21	13	13	10

RwANHCON: Anhedonia: R trouble concentrating

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA				1			1		1	5
.J=Web interview, missing										
.M=Oth missing			1							
.P=Answered prev wv				14594	17312	15938	15066	17030		
.R=RF										
.S=Skip			17712	6703	2261	2222	4965	1434	16897	21532
0.No			66	24		1	19		66	118
1.Yes			212	62	5	4	78	5	253	379

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	4	3	1	2	5	1
.J=Web interview, missing				1		1
.M=Oth missing						
.P=Answered prev wv						
.R=RF		1		1		
.S=Skip	20094	18317	20408	16706	15341	15384
0.No	89	72	98	104	78	80
1.Yes	367	354	405	332	299	321

SwANHCON: Anhedonia: S trouble concentrating

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA				1			1		1	2
.J=Web interview, missing										
.M=Oth missing			1							
.P=Answered prev wv				9377	11134	10103	9491	10773		
.S=Skip			11752	4548	1592	1531	3426	959	10470	13241
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			37	15		1	9		36	67
1.Yes			127	39	4	4	45	3	139	203

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	1				2	
.J=Web interview, missing						1
.M=Oth missing						
.P=Answered prev wv						
.S=Skip	12237	10798	11527	9165	8309	7677
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	49	36	57	42	39	34
1.Yes	197	178	195	151	127	128

RwANHDOWN: Anhedonia: R feeling down on yourself

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			2						2	2
.P=Answered prev wv				14594	17312	15938	15066	17030		
.R=RF										
.S=Skip			17712	6703	2261	2222	4965	1434	16897	21532
0.No			132	41	3	1	42	1	131	216
1.Yes			145	46	2	4	56	4	187	284

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	5		1	3	3	1
.P=Answered prev wv						
.R=RF			1			
.S=Skip	20094	18317	20408	16706	15341	15384
0.No	197	172	213	191	176	179
1.Yes	258	258	289	246	203	223

SwANHDOWN: Anhedonia: S feeling down on yourself

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			2						1	1
.P=Answered prev wv				9377	11134	10103	9491	10773		
.R=RF										
.S=Skip			11752	4548	1592	1531	3426	959	10470	13241
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			70	25	3	1	26	1	75	126
1.Yes			93	30	1	4	29	2	100	145

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	3			2	1	
.P=Answered prev wv						
.R=RF			1			
.S=Skip	12237	10798	11527	9165	8309	7677
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	103	83	105	77	82	77
1.Yes	141	131	146	114	85	86

RwANHTHO: Anhedonia: R thoughts about death

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			2		1				2	
.J=Web interview, missing										
.P=Answered prev wv				14594	17312	15938	15066	17030		
.R=RF									1	
.S=Skip			17712	6703	2261	2222	4965	1434	16897	21532
0.No			137	47	1	1	52	1	156	243
1.Yes			140	40	3	4	46	4	161	259

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	2	7	1	3	4	
.J=Web interview, missing						1
.P=Answered prev wv						
.R=RF	1	1	1			1
.S=Skip	20094	18317	20408	16706	15341	15384
0.No	189	190	253	230	176	193
1.Yes	268	232	249	207	202	208

SwANHTHO: Anhedonia: S thoughts about death

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			2		1				1	
.J=Web interview, missing										
.P=Answered prev wv				9377	11134	10103	9491	10773		
.R=RF									1	
.S=Skip			11752	4548	1592	1531	3426	959	10470	13241
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			82	32	1	1	27		97	147
1.Yes			81	23	2	4	28	3	77	125

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	1	3	1	2	1	
.J=Web interview, missing						1
.P=Answered prev wv						
.R=RF		1	1			
.S=Skip	12237	10798	11527	9165	8309	7677
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	118	104	137	108	86	92
1.Yes	128	106	113	83	81	70

How Constructed

The RwDEPYR variable indicates whether the Respondent felt sad, blue or depressed for two or more weeks in a row in the last 12 months. If a Respondent reports "No", "Don't know", or refuses to answer the question, then the questions used to derive all other depression variables in this section are skipped and these variables are set to ".S=Skip."

The RwANHYR variable indicates whether the Respondent lost interest in most things like hobbies, work, or activities that usually gave the Respondent pleasure for two or more weeks in a row in the last 12 months. This condition is known as clinical anhedonia. If a Respondent reports "No", "Don't know", or refuses to answer the question, then the questions used to derive all other anhedonia variables in this section are skipped and these variables are set to ".S=Skip."

The anhedonia question and its follow ups are asked to Respondents as an alternative screening for depression. They are only asked if the Respondent indicates they haven't been depressed for two weeks in the last year (indicated in RwDEPYR), their depression did not last all or most of the day (indicated in RwDEPPOR), or their depression was not every day or almost every day in that period (indicated in RwDEPEVD). If the Respondent is asked the set of depression symptom questions, then the anhedonia variables are skipped and these variables are set to ".S=Skip."

RwDEPPOR and RwANHPOR indicate how much of the day the Respondent felt depressed or lost interest respectively during the worst two-week period indicated in RwDEPYR or RwANHYR. If a Respondent reports "About half the day", "Less than half the day", "Don't know", or refused to answer the question associated with RwDEPPOR, then the variables RwDEPEVD, RwDEPLOS, RwDEPTIR, RwDEPNOAP, RwDEPHUN, RwDEPSLE, RwDEPNIT, RwDEPCON, RwDEPDOWN, RwDEPTHO, RwDEPWKS, RwDEPRECM are set to ".S=Skip." If a Respondent reports "About half the day", "Less than half the day", "Don't know", or refused to answer the question associated with RwANHPOR, then the variables RwANHEVD, RwANHTIR, RwANHNOAP, RwANHHUN, RwANHSLE, RwANHNIT, RwANHCON, RwANHDOWN, RwANHTHO, RwANHWKS, RwANHRECM are set to ".S=Skip."

RwDEPEVD and RwANHEVD indicate if the Respondent felt depressed or lost interest every day during those the two weeks referenced in RwDEPYR and RwANHYR respectively. If a Respondent reports "Less often", "Don't know", or refused to answer the question associated with RwDEPEVD, then the depression symptom variables RwDEPLOS, RwDEPTIR, RwDEPNOAP, RwDEPHUN, RwDEPSLE, RwDEPNIT, RwDEPCON, RwDEPDOWN, RwDEPTHO, RwDEPWKS, and RwDEPRECM are set to ".S=Skip." If a

Respondent reports "Less often" in RwANHEVD, then the anhedonia symptom variables RwANHTIR, RwANHNOAP, RwANHHUN, RwANHSLE, RwANHNIT, RwANHCON, RwANHDOWN, RwANHTHO, RwANHWKS, and RwANHRECM are set to ".S=Skip."

The variables RwDEPLOS, RwDEPTIR, RwDEPNOAP, RwDEPHUN, RwDEPSLE, RwDEPNIT, RwDEPCON, RwDEPDOWN, RwDEPTHO, and their parallel anhedonia variables RwANHTIR, RwANHNOAP, RwANHHUN, RwANHSLE, RwANHNIT, RwANHCON, RwANHDOWN, and RwANHTHO each code specific symptoms experienced by the Respondent over the two-week period of depression or anhedonia respectively. In the depression sequence, RwDEPLOS indicates whether the Respondent lost interest in most things during this time. RwDEPTIR and RwANHTIR indicate if they felt more tired than usual. RwDEPNOAP, RwDEPHUN, RwANHNOAP, and RwANHHUN examine changes in appetite, with RwDEPNOAP and RwANHNOAP indicating a loss of appetite and RwDEPHUN and RwANHHUN indicating an increase in appetite. RwDEPSLE and RwANHSLE indicate if the Respondent had "more trouble falling asleep than you usually do", and RwDEPNIT and RwANHNIT indicate if that happened every night, nearly every night, or less often than that. RwDEPCON and RwANHCON indicate whether the Respondent had increased difficulty concentrating. RwDEPDOWN and RwANHDOWN indicate if the Respondent felt "down on themselves, and no good, or worthless" during the two-week period respectively. RwDEPTHO and RwANHTHO indicates if the Respondent thought "a lot about death – either your own, someone else's, or death in general – during those two weeks."

If the Respondent reports losing appetite (captured in RwDEPNOAP and RwANHNOAP), the follow up question about an increase in appetite is not asked and RwDEPHUN and RwANHHUN are set to ".S=Skip" respectively. Similarly, if no issues with falling asleep are reported (RwDEPSLE or RwANHSLE=0, .D, .R), then RwDEPNIT or RwANHNIT will be marked as ".S=Skipped" since the question used to derive RwDEPNIT or RwANHNIT is not asked.

RwDEPWKS and RwANHWKS indicate how many weeks out of the whole year that a Respondent felt depressed or had a loss of interest. If a Respondent did not provide a "Yes" response for any of the symptom variables RwDEPLOS, RwDEPTIR, RwDEPNOAP, RwDEPHUN, RwDEPSLE, RwDEPNIT, RwDEPCON, RwDEPDOWN, RwDEPTHO, or RwANHTIR, RwANHNOAP, RwANHHUN, RwANHSLE, RwANHNIT, RwANHCON, RwANHDOWN, RwANHTHO then RwDEPWKS or RwANHWKS is set to ".S=Skip" respectively.

When answering how many weeks they felt depressed or lost interest, some Respondents answered in terms of months or reported that they felt this way the entire year. If a Respondent reported their answer in months or for the entire year, the response was converted to weeks by multiplying the number of months by 4.33 and rounding, or by assigning 52 weeks for a full-year response.

RwDEPRECM and RwANHRECM variable indicates the most recent month that the Respondent felt depressed or lost interest. These questions were only asked of Respondents who reported that they felt depressed less than 52 weeks in RwDEPWKS or had lost interest less than 52 weeks in RwANHWKS.

If a Respondent is a proxy interview, then they were not asked any questions about depression or anhedonia and are coded as ".S=Skip."

SwDEPYR, SwDEPPOR, SwDEPEVD, SwDEPLOS, SwDEPTIR, SwDEPNOAP, SwDEPHUN, SwDEPSLE, SwDEPNIT, SwDEPCON, SwDEPDOWN, SwDEPTHO, SwDEPWKS, SwDEPRECM, SwANHYR, SwANHPOR, SwANHEVD, SwANHTIR, SwANHNOAP, SwANHHUN, SwANHSLE, SwANHNIT, SwANHCON, SwANHDOWN, SwANHTHO, SwANHWKS, and SwANHRECM give this for the Respondent's spouse or partner.

Cross Wave Differences in Original HRS Data

Questions about depression and anhedonia are first asked in Wave 3. From Wave 4 through Wave 8, re-interviews do not receive questions that derive the depression or anhedonia variables. In other words, a first-time Respondent who entered the survey sample from Wave 3 through Wave 8 will receive this series of questions about depression and anhedonia the year they enter but will not receive them again until Wave 9. In Wave 9 and in the following waves, these questions are asked of every non-proxy Respondent every year, regardless of whether they are a re-interview.

In Wave 4 through Wave 8, since questions about depression and anhedonia are skipped for re-interviewees, RwDEPYR, RwDEPPOR, RwDEPEVD, RwDEPLOS, RwDEPTIR, RwDEPNOAP, RwDEPHUN, RwDEPSLE, RwDEPNIT, RwDEPCON, RwDEPDOWN,

RwDEPTHO, RwDEPWKS, RwDEPRECM, RwANHYR, RwANHPOR, RwANHEVD, RwANHTIR, RwANHNOAP, RwANHHUN, RwANHSLE, RwANHNIT, RwANHCON, RwANHDOWN, RwANHTHO, RwANHWKS, and RwANHRECM are set to ".P=Answered prev wv" for re-interviewees.

HRS Variables Used

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AHEAD 1995:
    D1006           B26.DEPRESSED-SCREENER
    D1007           B27. DEPRESSED PORTION DAY
    D1008           B27A. DEPRESSED EVERY DAY
    D1009           B28. LOSING INTEREST
    D1010           B29. FEELING TIRED
    D1011           B30.LOSE APPETITE
    D1012           B30A. APPETITE INCREASE
    D1013           B31. TROUBLE FALL ASLEEP
    D1014           B31A. OFTEN TROUBLE FALL ASLEEP
    D1015           B32. CONCENTRATING
    D1016           B33. FEELING DOWN ON YOURSELF
    D1017           B34. THOUGHTS ABOUT DEATH
    D1018           B35. CHECKPOINT DEPRESSION
    D1020           B36.DEPRESS REVIEW-WEEKS
    D1021           B36A.MONTHS
    D1022           B36B.ENTIRE YEAR
    D1024           B37. MOST RECENT MONTH
    D1028           B38.  LOSE INTEREST-2
    D1029           B39. LOSE INTEREST OFTEN-2
    D1030           B39A. LOSE INTEREST DAYS-2
    D1031           B40. INTEREST FEELING TIRED-2
    D1032           B41. INTEREST LOST APPETITE-2
    D1033           B42. INTEREST APPETITE INCREASE-2
    D1034           B43. INTEREST TROUBLE FALLING ASLEEP-2
    D1035           B43A. INTEREST TROUBLE SLEEP OFTEN-2
    D1036           B44. INTEREST CONCENTRATE-2
    D1037           B45. INTEREST DOWN-2
    D1038           B46. INTEREST DEATH-2
    D1039           B47. REVIEW CHECKPOINT
    D1041           B48.REVIEW LOSE INTEREST-2
    D1042           B48A.MONTHS
    D1043           B48A.ENTIRE YEAR
    D1045           B49.REVIEW MOST RECENT MONTH
    D218            CS1A.PROXY/SELF INTERVIEW
HRS 1996:
    E1006           B26.DEPRESSED-SCREENER
    E1007           B27. DEPRESSED PORTION DAY
    E1008           B27A. DEPRESSED EVERY DAY
    E1009           B28. LOSING INTEREST
    E1010           B29. FEELING TIRED
    E1011           B30.LOSE APPETITE
    E1012           B30A. APPETITE INCREASE
    E1013           B31. TROUBLE FALL ASLEEP
    E1014           B31A. OFTEN TROUBLE FALL ASLEEP
    E1015           B32. CONCENTRATING
    E1016           B33. FEELING DOWN ON YOURSELF
    E1017           B34. THOUGHTS ABOUT DEATH
    E1018           B35. CHECKPOINT DEPRESSION
    E1020           B36. DEPRESS REVIEW: WEEKS
    E1021           B36A. DEPRESS REVIEW: MONTHS
    E1022           B36B. DEPRESS REVIEW: ENTIRE YEAR
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    E1024           B37. MOST RECENT MONTH
    E1028           B38.  LOSE INTEREST-2
    E1029           B39. LOSE INTEREST OFTEN-2
    E1030           B39A. LOSE INTEREST DAYS-2
    E1031           B40. INTEREST FEELING TIRED-2
    E1032           B41. INTEREST LOST APPETITE-2
    E1033           B42. INTEREST APPETITE INCREASE-2
    E1034           B43. INTEREST TROUBLE FALLING ASLEEP-2
    E1035           B43A. INTEREST TROUBLE SLEEP OFTEN-2
    E1036           B44. INTEREST CONCENTRATE-2
    E1037           B45. INTEREST DOWN-2
    E1038           B46. INTEREST DEATH-2
    E1039           B47. REVIEW CHECKPOINT
    E1041           B48.REVIEW LOSE INTEREST-2
    E1042           B48A.MONTHS
    E1043           B48A.ENTIRE YEAR
    E1045           B49.REVIEW MOST RECENT MONTH
    E218            CS1A.PROXY/SELF INTERVIEW
    E558            CS50.PARENTS SENDBACK
HRS 1998:
    F1323           B26.DEPRESSED-SCREENER
    F1324           B27. DEPRESSED PORTION DAY
    F1325           B27A. DEPRESSED EVERY DAY
    F1326           B28. LOSING INTEREST
    F1327           B29. FEELING TIRED
    F1328           B30.LOSE APPETITE
    F1329           B30A. APPETITE INCREASE
    F1330           B31. TROUBLE FALL ASLEEP
    F1331           B31A. OFTEN TROUBLE FALL ASLEEP
    F1332           B32. CONCENTRATING
    F1333           B33. FEELING DOWN ON YOURSELF
    F1334           B34. THOUGHTS ABOUT DEATH
    F1335           B35. CHECKPOINT DEPRESSION
    F1337           B36.DEPRESS REVIEW-WEEKS
    F1338           B36A.MONTHS
    F1339           B36B.ENTIRE YEAR
    F1341           B37. MOST RECENT MONTH
    F1345           B38.  LOSE INTEREST-2
    F1346           B39. LOSE INTEREST OFTEN-2
    F1347           B39A. LOSE INTEREST DAYS-2
    F1348           B40. INTEREST FEELING TIRED-2
    F1349           B41. INTEREST LOST APPETITE-2
    F1350           B42. INTEREST APPETITE INCREASE-2
    F1351           B43. INTEREST TROUBLE FALLING ASLEEP-2
    F1352           B43A. INTEREST TROUBLE SLEEP OFTEN-2
    F1353           B44. INTEREST CONCENTRATE-2
    F1354           B45. INTEREST DOWN-2
    F1355           B46. INTEREST DEATH-2
    F1356           B47. REVIEW CHECKPOINT
    F1358           B48.REVIEW LOSE INTEREST-2
    F1359           B48A.MONTHS
    F1360           B48A.ENTIRE YEAR
    F1362           B49.REVIEW MOST RECENT MONTH
    F483            CS1A.PROXY/SELF INTERVIEW
    F682            PREVIOUS WAVE INTERV
HRS 2000:
    G1456           B26.DEPRESSED-SCREENER
    G1457           B27. DEPRESSED PORTION DAY
    G1458           B27A. DEPRESSED EVERY DAY
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G1459	B28. LOSING INTEREST
G1460	B29. FEELING TIRED
G1461	B30.LOSE APPETITE
G1462	B30A. APPETITE INCREASE
G1463	B31. TROUBLE FALL ASLEEP
G1464	B31A. OFTEN TROUBLE FALL ASLEEP
G1465	B32. CONCENTRATING
G1466	B33. FEELING DOWN ON YOURSELF
G1467	B34. THOUGHTS ABOUT DEATH
G1468	B35. CHECKPOINT DEPRESSION
G1470	B36.DEPRESS REVIEW-WEEKS
G1471	B36A.MONTHS
G1472	B36B.ENTIRE YEAR
G1474	B37. MOST RECENT MONTH
G1478	B38.LOSE INTEREST-2
G1479	B39. LOSE INTEREST OFTEN-2
G1480	B39A. LOSE INTEREST DAYS-2
G1481	B40. INTEREST FEELING TIRED-2
G1482	B41. INTEREST LOST APPETITE-2
G1483	B42. INTEREST APPETITE INCREASE-2
G1484	B43. INTEREST TROUBLE FALLING ASLEEP-2
G1485	B43A. INTEREST TROUBLE SLEEP OFTEN-2
G1486	B44. INTEREST CONCENTRATE-2
G1487	B45. INTEREST DOWN-2
G1488	B46. INTEREST DEATH-2
G1489	B47. REVIEW CHECKPOINT
G1491	B48.REVIEW LOSE INTEREST-2
G1492	B48A.MONTHS
G1493	B48B. ENTIRE YEAR
G1495	B49.REVIEW MOST RECENT MONTH
G514	CS1A.PROXY/SELF INTERVIEW
G753	CS22Y30.PREVIOUS WAVE INTERV

HRS 2002-2022:

xA009	PROXY/SELF INTERVIEW
xC150	FELT DEPRESSED IN PAST YR
xC151	DEPRESSED WHAT PORTION OF DAY
xC152	DEPRESSED EVERY DAY
xC153	LOSS OF INTEREST
xC154	FEELING TIRED
xC155	LOSE APPETITE
xC156	APPETITE INCREASE
xC157	TROUBLE FALL ASLEEP
xC158	FREQ OF TROUBLE FALLING ASLEEP
xC159	TROUBLE CONCENTRATING
xC160	FEELING DOWN ON YOURSELF
xC161	THOUGHTS ABOUT DEATH
xC162	CHECKPOINT DEPRESSION
xC163	DEPRESSED REVIEW WEEKS
xC164	DEPRESSED REVIEW MOS
xC165	DEPRESSED REVIEW ENTIRE YEAR
xC166	MOST RECENT MO- SAD/DEPRESSED
xC167	LOSE INTEREST- CIDI
xC168	LOSE INTEREST OFTEN- CIDI
xC169	LOSE INTEREST DYSFUNCTION- CIDI
xC170	FEELING TIRED- CIDI
xC171	LOST APPETITE- CIDI
xC172	APPETITE INCREASE- CIDI
xC173	TROUBLE FALLING ASLEEP- CIDI
xC174	FREQUENCY OF SLEEP TROUBLE- CIDI

xC175	TROUBLE CONCENTRATE- CIDI
xC176	FEELING DOWN ON ONESELF- CIDI
xC177	INTEREST IN DEATH- CIDI
xC178	REVIEW CHECKPOINT- SECTION C
xC179	REVIEW LOSS OF INTEREST-WEEKS
xC180	REVIEW LOSS OF INTEREST-MONTHS
xC181	REVIEW LOSS OF INTEREST-ENTIRE YEAR
xC182	REVIEW LOSS OF INTEREST- MOST RECENT MO
xZ076	R EVER INTERVIEWED

Imputed Cognition: Number Series Score

Wave	Variable	Label	Type
10	R10NSSCRE	R10NSSCRE:W10 R Calculated number series score	Cont
11	R11NSSCRE	R11NSSCRE:W11 R Calculated number series score	Cont
13	R13NSSCRE	R13NSSCRE:W13 R Calculated number series score	Cont
15	R15NSSCRE	R15NSSCRE:W15 R Calculated number series score	Cont
10	S10NSSCRE	S10NSSCRE:W10 S Calculated number series score	Cont
11	S11NSSCRE	S11NSSCRE:W11 S Calculated number series score	Cont
13	S13NSSCRE	S13NSSCRE:W13 S Calculated number series score	Cont
15	S15NSSCRE	S15NSSCRE:W15 S Calculated number series score	Cont
10	R10NSSCSE	R10NSSCSE:W10 R Calculated number series score-SE	Cont
11	R11NSSCSE	R11NSSCSE:W11 R Calculated number series score-SE	Cont
13	R13NSSCSE	R13NSSCSE:W13 R Calculated number series score-SE	Cont
15	R15NSSCSE	R15NSSCSE:W15 R Calculated number series score-SE	Cont
10	S10NSSCSE	S10NSSCSE:W10 S Calculated number series score-SE	Cont
11	S11NSSCSE	S11NSSCSE:W11 S Calculated number series score-SE	Cont
13	S13NSSCSE	S13NSSCSE:W13 S Calculated number series score-SE	Cont
15	S15NSSCSE	S15NSSCSE:W15 S Calculated number series score-SE	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R10NSSCRE	19098	494.04	44.24	390.2	579.6
R11NSSCRE	16833	519.56	32.84	409.0	584.0
R13NSSCRE	17845	520.83	31.75	409.0	584.0
R15NSSCRE	13379	523.31	31.83	409.0	584.0
S10NSSCRE	11904	499.01	43.02	390.2	579.6
S11NSSCRE	10636	523.31	31.64	409.0	584.0
S13NSSCRE	10305	524.46	30.71	409.0	584.0
S15NSSCRE	7405	527.28	30.81	409.0	584.0
R10NSSCSE	19098	14.52	7.70	7.8	38.2
R11NSSCSE	16833	11.33	2.66	9.0	19.0
R13NSSCSE	17845	11.27	2.57	9.0	19.0
R15NSSCSE	14975	20.45	26.48	9.0	99.0
S10NSSCSE	11904	14.13	7.42	7.8	38.2
S11NSSCSE	10636	11.28	2.62	9.0	19.0
S13NSSCSE	10305	11.22	2.54	9.0	19.0
S15NSSCSE	8042	18.11	23.22	9.0	99.0

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are typically calculated only for the final release data. Note that for Waves 14 forward, some cognition measures collected via Web interviews differed in their implementation, measurement, or collection method. Due to these differences, these cognition variables are separated into two measures: one ending in [P] for Face-to-Face/Telephone interviews and one ending in [W] for Web interviews. For some variables, only the [P] for Face-to-Face/Telephone interviews measure is provided. Please review the HRS documentation linked below

and the specific variable documentation, when applicable, in this documentation section.

Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2022) (Final Version V2.0) Data Description (HRS Staff, March 2026) on the HRS website for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

From the HRS documentation: "Number Series measures quantitative reasoning, a specific type of fluid cognitive ability or fluid intelligence. Quantitative reasoning ability involves reasoning with concepts that depend upon mathematical relationships. The number series task requires the Respondent to look at a series of numbers with a number missing from the series. The Respondent must determine the numerical pattern, and then provide the missing number in the series.

The HRS Number Series task is a 6-item block-adaptive test. "Block-adaptive" refers to the skip pattern among the items during test administration. The Number Series is based on two lists of 15 items. The 15 items are grouped into five sets or "blocks" of three items, grouped by item difficulty level. Item difficulty level refers to the probability that a Respondent will answer the item correctly. All Respondents are asked the same first three items, which consist of an easier item, a moderately difficult item, and a more difficult item. Based on the number of items answered correctly in the first block of three items, Respondents are then asked one of 4 remaining sets of three items: the easiest set, a somewhat easy set, a more difficult set, or a most difficult set. A score for the second set is then calculated.

The total score, RwNSSCRE, is a calculated score that takes into account which blocks of items were asked (i.e., the difficulty level of the items presented in terms of the probability that a Respondent will answer correctly) and the number of items answered correctly in each block. This calculated score is a standardized score called a W-score, comparable to the W-scores in the Woodcock-Johnson III (WJIII) test battery on which this task was based. The W-score metric was developed by scaling to a mean of 500 in the WJIII norming sample. Higher scores indicate better performance on the number series task. RwNSSCSE is the standard error of the number series score. The value indicates the measurement precision of the total score."

These variables are only available in Wave 10 and odd numbered waves beginning in Wave 11. It is only available for final release data. RwNSSCRE is taken directly from the HRS variables [x]NSSCORE, where "x" is the wave-specific letter prefix, and RwNSSCSE is taken directly from the HRS variables [x]NSSCORESE, where "x" is the wave-specific letter prefix.

Imputed Cognition: Status and Flags

Wave	Variable	Label	Type
1	R1STATUS	R1STATUS:W1 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
2	R2STATUS	R2STATUS:W2 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
3	R3STATUS	R3STATUS:W3 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
4	R4STATUS	R4STATUS:W4 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
5	R5STATUS	R5STATUS:W5 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
6	R6STATUS	R6STATUS:W6 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
7	R7STATUS	R7STATUS:W7 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
8	R8STATUS	R8STATUS:W8 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
9	R9STATUS	R9STATUS:W9 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
10	R10STATUS	R10STATUS:W10 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
11	R11STATUS	R11STATUS:W11 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
12	R12STATUS	R12STATUS:W12 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
13	R13STATUS	R13STATUS:W13 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
14	R14STATUS	R14STATUS:W14 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
15	R15STATUS	R15STATUS:W15 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
16	R16STATUS	R16STATUS:W16 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
1	S1STATUS	S1STATUS:W1 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
2	S2STATUS	S2STATUS:W2 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
3	S3STATUS	S3STATUS:W3 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
4	S4STATUS	S4STATUS:W4 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
5	S5STATUS	S5STATUS:W5 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
6	S6STATUS	S6STATUS:W6 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
7	S7STATUS	S7STATUS:W7 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
8	S8STATUS	S8STATUS:W8 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
9	S9STATUS	S9STATUS:W9 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
10	S10STATUS	S10STATUS:W10 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
11	S11STATUS	S11STATUS:W11 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
12	S12STATUS	S12STATUS:W12 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
13	S13STATUS	S13STATUS:W13 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
14	S14STATUS	S14STATUS:W14 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
15	S15STATUS	S15STATUS:W15 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
16	S16STATUS	S16STATUS:W16 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
2	R2FLAG	R2FLAG: 93 AHEAD OR 94 HRS	Categ
3	R3FLAG	R3FLAG: 95 AHEAD OR 96 HRS	Categ
2	S2FLAG	S2FLAG: 93 AHEAD OR 94 HRS	Categ
3	S3FLAG	S3FLAG: 95 AHEAD OR 96 HRS	Categ
4	R4NOTICS	R4NOTICS:W4 NOT ASKED TICS ITEMS	Categ
5	R5NOTICS	R5NOTICS:W5 NOT ASKED TICS ITEMS	Categ
6	R6NOTICS	R6NOTICS:W6 NOT ASKED TICS ITEMS	Categ
7	R7NOTICS	R7NOTICS:W7 NOT ASKED TICS ITEMS	Categ
8	R8NOTICS	R8NOTICS:W8 NOT ASKED TICS ITEMS	Categ
9	R9NOTICS	R9NOTICS:W9 NOT ASKED TICS ITEMS	Categ
10	R10NOTICS	R10NOTICS:W10 NOT ASKED TICS ITEMS	Categ
11	R11NOTICS	R11NOTICS:W11 NOT ASKED TICS ITEMS	Categ
12	R12NOTICS	R12NOTICS:W12 NOT ASKED TICS ITEMS	Categ
13	R13NOTICS	R13NOTICS:W13 NOT ASKED TICS ITEMS	Categ
14	R14NOTICS	R14NOTICS:W14 NOT ASKED TICS ITEMS	Categ
15	R15NOTICS	R15NOTICS:W15 NOT ASKED TICS ITEMS	Categ
16	R16NOTICS	R16NOTICS:W16 NOT ASKED TICS ITEMS	Categ
4	S4NOTICS	S4NOTICS:W4 NOT ASKED TICS ITEMS	Categ
5	S5NOTICS	S5NOTICS:W5 NOT ASKED TICS ITEMS	Categ
6	S6NOTICS	S6NOTICS:W6 NOT ASKED TICS ITEMS	Categ
7	S7NOTICS	S7NOTICS:W7 NOT ASKED TICS ITEMS	Categ
8	S8NOTICS	S8NOTICS:W8 NOT ASKED TICS ITEMS	Categ
9	S9NOTICS	S9NOTICS:W9 NOT ASKED TICS ITEMS	Categ
10	S10NOTICS	S10NOTICS:W10 NOT ASKED TICS ITEMS	Categ
11	S11NOTICS	S11NOTICS:W11 NOT ASKED TICS ITEMS	Categ
12	S12NOTICS	S12NOTICS:W12 NOT ASKED TICS ITEMS	Categ
13	S13NOTICS	S13NOTICS:W13 NOT ASKED TICS ITEMS	Categ
14	S14NOTICS	S14NOTICS:W14 NOT ASKED TICS ITEMS	Categ
15	S15NOTICS	S15NOTICS:W15 NOT ASKED TICS ITEMS	Categ

16	S16NOTICS	S16NOTICS:W16 NOT ASKED TICS ITEMS	Categ
7	R7NOVOC	R7NOVOC:W7 NOT ASKED VOCABULARY	Categ
8	R8NOVOC	R8NOVOC:W8 NOT ASKED VOCABULARY	Categ
9	R9NOVOC	R9NOVOC:W9 NOT ASKED VOCABULARY	Categ
10	R10NOVOC	R10NOVOC:W10 NOT ASKED VOCABULARY	Categ
11	R11NOVOC	R11NOVOC:W11 NOT ASKED VOCABULARY	Categ
12	R12NOVOC	R12NOVOC:W12 NOT ASKED VOCABULARY	Categ
13	R13NOVOC	R13NOVOC:W13 NOT ASKED VOCABULARY	Categ
14	R14NOVOC	R14NOVOC:W14 NOT ASKED VOCABULARY	Categ
15	R15NOVOC	R15NOVOC:W15 NOT ASKED VOCABULARY	Categ
16	R16NOVOC	R16NOVOC:W16 NOT ASKED VOCABULARY	Categ
7	S7NOVOC	S7NOVOC:W7 NOT ASKED VOCABULARY	Categ
8	S8NOVOC	S8NOVOC:W8 NOT ASKED VOCABULARY	Categ
9	S9NOVOC	S9NOVOC:W9 NOT ASKED VOCABULARY	Categ
10	S10NOVOC	S10NOVOC:W10 NOT ASKED VOCABULARY	Categ
11	S11NOVOC	S11NOVOC:W11 NOT ASKED VOCABULARY	Categ
12	S12NOVOC	S12NOVOC:W12 NOT ASKED VOCABULARY	Categ
13	S13NOVOC	S13NOVOC:W13 NOT ASKED VOCABULARY	Categ
14	S14NOVOC	S14NOVOC:W14 NOT ASKED VOCABULARY	Categ
15	S15NOVOC	S15NOVOC:W15 NOT ASKED VOCABULARY	Categ
16	S16NOVOC	S16NOVOC:W16 NOT ASKED VOCABULARY	Categ
14	R14COGMODE	R14COGMODE:W14 COGNITION SECTION MODE: FTF/TEL OR WEB	Categ
15	R15COGMODE	R15COGMODE:W15 COGNITION SECTION MODE: FTF/TEL OR WEB	Categ
16	R16COGMODE	R16COGMODE:W16 COGNITION SECTION MODE: FTF/TEL OR WEB	Categ
14	S14COGMODE	S14COGMODE:W14 COGNITION SECTION MODE: FTF/TEL OR WEB	Categ
15	S15COGMODE	S15COGMODE:W15 COGNITION SECTION MODE: FTF/TEL OR WEB	Categ
16	S16COGMODE	S16COGMODE:W16 COGNITION SECTION MODE: FTF/TEL OR WEB	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1STATUS	43697	2.45	0.89	1.0	3.0
R2STATUS	43801	2.16	0.98	1.0	3.0
R3STATUS	43801	2.23	0.96	1.0	3.0
R4STATUS	43801	2.08	0.98	1.0	3.0
R5STATUS	43801	2.16	0.97	1.0	3.0
R6STATUS	43801	2.22	0.95	1.0	3.0
R7STATUS	43801	2.13	0.97	1.0	3.0
R8STATUS	43801	2.19	0.97	1.0	3.0
R9STATUS	43801	2.24	0.96	1.0	3.0
R10STATUS	43801	2.03	0.99	1.0	3.0
R11STATUS	43801	2.09	0.98	1.0	4.0
R12STATUS	43801	2.17	0.97	1.0	3.0
R13STATUS	43801	2.07	0.99	1.0	3.0
R14STATUS	43801	2.23	0.97	1.0	3.0
R15STATUS	43801	2.30	0.95	1.0	3.0
R16STATUS	43801	2.29	0.95	1.0	3.0
S1STATUS	9729	1.08	0.33	1.0	3.0
S2STATUS	12900	1.10	0.36	1.0	3.0
S3STATUS	11810	1.10	0.37	1.0	3.0
S4STATUS	13993	1.12	0.40	1.0	3.0
S5STATUS	12676	1.12	0.37	1.0	3.0
S6STATUS	11583	1.12	0.36	1.0	3.0
S7STATUS	13008	1.11	0.37	1.0	3.0
S8STATUS	11791	1.09	0.33	1.0	3.0
S9STATUS	10762	1.09	0.35	1.0	3.0

S10STATUS	13749	1.10	0.38	1.0	3.0
S11STATUS	12694	1.09	0.37	1.0	4.0
S12STATUS	11265	1.11	0.39	1.0	3.0
S13STATUS	12126	1.11	0.41	1.0	3.0
S14STATUS	9906	1.16	0.50	1.0	3.0
S15STATUS	9011	1.17	0.53	1.0	3.0
S16STATUS	8342	1.16	0.52	1.0	3.0
R2FLAG	18073	93.59	0.49	93.0	94.0
R3FLAG	16351	95.63	0.48	95.0	96.0
S2FLAG	11937	93.68	0.47	93.0	94.0
S3FLAG	10806	95.71	0.46	95.0	96.0
R4NOTICS	21384	0.33	0.47	0.0	1.0
R5NOTICS	19578	0.41	0.49	0.0	1.0
R6NOTICS	18166	0.36	0.48	0.0	1.0
R7NOTICS	20129	0.26	0.44	0.0	1.0
R8NOTICS	18469	0.36	0.48	0.0	1.0
R9NOTICS	17217	0.32	0.47	0.0	1.0
R10NOTICS	22034	0.21	0.41	0.0	1.0
R11NOTICS	20554	0.45	0.50	0.0	1.0
R12NOTICS	18747	0.43	0.49	0.0	1.0
R13NOTICS	20912	0.30	0.46	0.0	1.0
R14NOTICS	17146	0.51	0.50	0.0	1.0
R15NOTICS	15723	0.49	0.50	0.0	1.0
R16NOTICS	15787	0.36	0.48	0.0	1.0
S4NOTICS	13980	0.36	0.48	0.0	1.0
S5NOTICS	12730	0.46	0.50	0.0	1.0
S6NOTICS	11639	0.41	0.49	0.0	1.0
S7NOTICS	12972	0.30	0.46	0.0	1.0
S8NOTICS	11735	0.42	0.49	0.0	1.0
S9NOTICS	10646	0.37	0.48	0.0	1.0
S10NOTICS	13513	0.24	0.43	0.0	1.0
S11NOTICS	12484	0.47	0.50	0.0	1.0
S12NOTICS	11012	0.46	0.50	0.0	1.0
S13NOTICS	11779	0.34	0.47	0.0	1.0
S14NOTICS	9358	0.53	0.50	0.0	1.0
S15NOTICS	8477	0.51	0.50	0.0	1.0
S16NOTICS	7840	0.39	0.49	0.0	1.0
R7NOVOC	20129	0.75	0.43	0.0	1.0
R8NOVOC	18469	0.36	0.48	0.0	1.0
R9NOVOC	17217	0.93	0.26	0.0	1.0
R10NOVOC	22034	0.21	0.41	0.0	1.0
R11NOVOC	20554	0.92	0.27	0.0	1.0
R12NOVOC	18747	0.94	0.25	0.0	1.0
R13NOVOC	20912	0.74	0.44	0.0	1.0
R14NOVOC	17146	0.95	0.22	0.0	1.0
R15NOVOC	15723	0.94	0.23	0.0	1.0
R16NOVOC	15787	0.79	0.41	0.0	1.0
S7NOVOC	12972	0.73	0.44	0.0	1.0
S8NOVOC	11735	0.42	0.49	0.0	1.0
S9NOVOC	10646	0.93	0.26	0.0	1.0
S10NOVOC	13513	0.24	0.43	0.0	1.0
S11NOVOC	12484	0.92	0.28	0.0	1.0
S12NOVOC	11012	0.93	0.25	0.0	1.0

S13NOVOC	11779	0.75	0.44	0.0	1.0
S14NOVOC	9358	0.94	0.24	0.0	1.0
S15NOVOC	8477	0.93	0.25	0.0	1.0
S16NOVOC	7840	0.80	0.40	0.0	1.0
R14COGMODE	16483	1.08	0.28	1.0	2.0
R15COGMODE	15002	1.14	0.34	1.0	2.0
R16COGMODE	15201	1.10	0.30	1.0	2.0
S14COGMODE	8974	1.10	0.30	1.0	2.0
S15COGMODE	8058	1.16	0.37	1.0	2.0
S16COGMODE	7520	1.12	0.32	1.0	2.0

Categorical Variable Codes

RwSTATUS: STATUS:IMPUTATION ELIGIBILITY STATUS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Hrs-Ahd ovrlap	124	17	17	17	17	17	17	17	17	17
.X=NR or Proxy all IW	1344	1347	1347	1347	1347	1347	1347	1347	1347	1347
1.Cog meas	11883	18073	16351	19341	17516	16129	18327	17209	16077	20652
2.Proxy IW	398	789	1096	1568	1717	1771	1563	1102	999	1229
3.Non-resp	31416	24939	26354	22892	24568	25901	23911	25490	26725	21920
4.Self IW, No cog meas										

Value	w11	w12	w13	w14	w15	w16
.C=Hrs-Ahd ovrlap	17	17	17	17	17	17
.X=NR or Proxy all IW	1347	1347	1347	1347	1347	1347
1.Cog meas	19407	17698	19971	16483	15002	15201
2.Proxy IW	1006	937	830	599	638	527
3.Non-resp	23387	25166	23000	26719	28161	28073
4.Self IW, No cog meas	1					

SwSTATUS: STATUS:IMPUTATION ELIGIBILITY STATUS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Hrs-Ahd ovrlap	121	1								
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		64	65	62	34	37	45	50	58	92
.X=NR or Proxy all IW	429	709	459	461	331	239	299	211	191	396
1.Cog meas	9166	11937	10806	12573	11320	10280	11769	10943	9989	12696
2.Proxy IW	380	684	771	1091	1158	1172	1017	661	549	687
3.Non-resp	183	279	233	329	198	131	222	187	224	366
4.Self IW, No cog meas										

Value	w11	w12	w13	w14	w15	w16
.C=Hrs-Ahd ovrlap						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	95	101	200	201	163	260
.X=NR or Proxy all IW	292	256	562	361	356	644
1.Cog meas	11834	10423	11253	8974	8058	7520
2.Proxy IW	534	496	424	326	341	271
3.Non-resp	325	346	449	606	612	551
4.Self IW, No cog meas	1					

RwFLAG: AHEAD OR 96 HRS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW		789	1096							
.X=NR or Proxy all IW		780	544							
93.Ahead W2		7382								
94.HRS W2		10691								
95.Ahead W3			6126							
96.HRS W3			10225							

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW						
.X=NR or Proxy all IW						
93.Ahead W2						
94.HRS W2						
95.Ahead W3						
96.HRS W3						

SwFLAG: AHEAD OR 96 HRS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW		684	771							
.U=Unmarried		5968	5657							
.V=Spouse NR		584	417							
.X=NR or Proxy all IW		469	340							
93.Ahead W2		3866								
94.HRS W2		8071								
95.Ahead W3			3183							
96.HRS W3			7623							

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW						
.U=Unmarried						
.V=Spouse NR						
.X=NR or Proxy all IW						
93.Ahead W2						
94.HRS W2						
95.Ahead W3						
96.HRS W3						

RwNOTICS: NOT ASKED TICS ITEMS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Asked				14373	11565	11647	14885	11777	11658	17413
1.Not asked				7011	8013	6519	5244	6692	5559	4621

Value	w11	w12	w13	w14	w15	w16
0.Asked	11397	10741	14641	8481	8083	10110
1.Not asked	9157	8006	6271	8665	7640	5677

SwNOTICS: NOT ASKED TICS ITEMS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried				6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR				536	311	220	380	317	365	724
0.Asked				8888	6834	6858	9138	6863	6696	10294
1.Not asked				5092	5896	4781	3834	4872	3950	3219

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Asked	6572	5931	7819	4404	4138	4801
1.Not asked	5912	5081	3960	4954	4339	3039

RwNOVOC: NOT ASKED VOCABULARY

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Asked							5063	11777	1264	17413
1.Not asked							15066	6692	15953	4621

Value	w11	w12	w13	w14	w15	w16
0.Asked	1610	1217	5445	859	877	3333
1.Not asked	18944	17530	15467	16287	14846	12454

SwNOVOC: NOT ASKED VOCABULARY

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried							6777	6417	6206	7797
.V=Spouse NR							380	317	365	724
0.Asked							3481	6863	779	10294
1.Not asked							9491	4872	9867	3219

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Asked	1046	746	2988	563	560	1534
1.Not asked	11438	10266	8791	8795	7917	6306

RwCOGMODE: COGNITION SECTION MODE: FTF/TEL OR WEB

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
1.Tel/FTF Interview										
2.WEB Interview										

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing				663	721	586
1.Tel/FTF Interview				15086	12975	13734
2.WEB Interview				1397	2027	1467

SwCOGMODE: COGNITION SECTION MODE: FTF/TEL OR WEB

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.U=Unmarried										
.V=Spouse NR										
1.Tel/FTF Interview										
2.WEB Interview										

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing				384	419	320
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
1.Tel/FTF Interview				8073	6776	6650
2.WEB Interview				901	1282	870

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are typically calculated only for the final release data. Note that for Waves 14 forward, some cognition measures collected via Web interviews differed in their implementation, measurement, or collection method. Due to these differences, these cognition variables are separated into two measures: one ending in [P] for Face-to-Face/Telephone interviews and one ending in [W] for Web interviews. For some variables, only the [P] for Face-to-Face/Telephone interviews measure is provided. Please review the HRS documentation linked below and the specific variable documentation, when applicable, in this documentation section.

Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2022) (Final Version V2.0) Data Description (HRS Staff, March 2026) on the HRS website for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

These variables indicate whether and/or which cognitive functioning measures are provided. RwSTATUS indicates the overall status; RwFLAG indicates the interview year that applies for Waves 2-3; RwNOTICS flags cases not asked the TICS questions from Wave 4 forward; and RwNOVOC flags cases not asked the vocabulary questions from Wave 7 forward. RwCOGMODE indicates interview mode for cognition section and is available from Wave 14 forward.

RwSTATUS has a value of "1" if cognition measures are provided, "2" if they are not because the interview was by proxy, and "3" if they are not because the Respondent did not respond. Special missings have been assigned when the Respondent did not appear in the imputation file from HRS, as follows: .X if there is no non-proxy interview across all waves, and .C if missing because the Respondent is an HRS-AHEAD overlap case. Except for Wave 1, a .C in RwSTATUS indicates HRS-AHEAD overlap cases that had a non-proxy interview in Wave 1, but never responded in AHEAD.

In Wave 1, HRS-AHEAD overlap cases are treated as non-responders in that wave in the imputation file. For these cases, if there is no non-proxy interview including Wave 1, we set R1STATUS to .X. Otherwise, R1STATUS is set to .C.

R2FLAG has values of 93 or 94, and R3FLAG has values of 95 or 96. These indicate the interview years that were used to derive the measures. 93/95 include members of the AHEAD cohort, while 94/96 include members of the HRS cohort.

From Wave 4 forward, Respondents 65 and older who had a prior interview skipped the date, object, and President/Vice-president naming and vocabulary tasks. RwNOTICS is set to "1" if the Respondent skipped these tasks based on age and re-interview status, and

"0" if the Respondent was asked to perform them.

From Wave 7 to Wave 11, the vocabulary questions are are skipped in odd waves (Waves 7,9, and 11) for individuals who responded to a previous wave. From Wave 12 forward, the vocabulary questions are only asked to new Respondents. RwNOVOC is set to "1" if the Respondent skipped the vocabulary questions based on age, re-interview status, and alternate year settings, and "0" if the Respondent was asked to perform the vocabulary task.

From Wave 14 forward, Respondents can respond to the cognition section (and other sections) of the interview via Web. If the Respondent's interview is Web mode, some of the cognition variables were implemented, measured, or conducted differently. RwCOGMODE indicates the interview mode for the cognition section. See the HRS documentation linked in the General Comments section for more information.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

The SwSTATUS, SwFLAG, SwNOTICS, SwNOVOC, and SwCOGMODE variables were taken from the respective Rw variables for the Wave "w" spouse.

Note that the variable names RwNOTICS and RwNOVOC have been shortened from RwNOTASKTICS and RwNOTASKVOC in the original HRS imputation file to conform to the current 8-character limit.

Imputed Cognition: Self-reported Memory

Wave	Variable	Label	Type
1	R1SLFMEM	R1SLFMEM:W1 SELF RATED MEMORY	Categ
2	R2SLFMEM	R2SLFMEM:W2 SELF RATED MEMORY	Categ
3	R3SLFMEM	R3SLFMEM:W3 SELF RATED MEMORY	Categ
4	R4SLFMEM	R4SLFMEM:W4 SELF RATED MEMORY	Categ
5	R5SLFMEM	R5SLFMEM:W5 SELF RATED MEMORY	Categ
6	R6SLFMEM	R6SLFMEM:W6 SELF RATED MEMORY	Categ
7	R7SLFMEM	R7SLFMEM:W7 SELF RATED MEMORY	Categ
8	R8SLFMEM	R8SLFMEM:W8 SELF RATED MEMORY	Categ
9	R9SLFMEM	R9SLFMEM:W9 SELF RATED MEMORY	Categ
10	R10SLFMEM	R10SLFMEM:W10 SELF RATED MEMORY	Categ
11	R11SLFMEM	R11SLFMEM:W11 SELF RATED MEMORY	Categ
12	R12SLFMEM	R12SLFMEM:W12 SELF RATED MEMORY	Categ
13	R13SLFMEM	R13SLFMEM:W13 SELF RATED MEMORY	Categ
14	R14SLFMEM	R14SLFMEM:W14 SELF RATED MEMORY	Categ
15	R15SLFMEM	R15SLFMEM:W15 SELF RATED MEMORY	Categ
16	R16SLFMEM	R16SLFMEM:W16 SELF RATED MEMORY	Categ
1	S1SLFMEM	S1SLFMEM:W1 SELF RATED MEMORY	Categ
2	S2SLFMEM	S2SLFMEM:W2 SELF RATED MEMORY	Categ
3	S3SLFMEM	S3SLFMEM:W3 SELF RATED MEMORY	Categ
4	S4SLFMEM	S4SLFMEM:W4 SELF RATED MEMORY	Categ
5	S5SLFMEM	S5SLFMEM:W5 SELF RATED MEMORY	Categ
6	S6SLFMEM	S6SLFMEM:W6 SELF RATED MEMORY	Categ
7	S7SLFMEM	S7SLFMEM:W7 SELF RATED MEMORY	Categ
8	S8SLFMEM	S8SLFMEM:W8 SELF RATED MEMORY	Categ
9	S9SLFMEM	S9SLFMEM:W9 SELF RATED MEMORY	Categ
10	S10SLFMEM	S10SLFMEM:W10 SELF RATED MEMORY	Categ
11	S11SLFMEM	S11SLFMEM:W11 SELF RATED MEMORY	Categ
12	S12SLFMEM	S12SLFMEM:W12 SELF RATED MEMORY	Categ
13	S13SLFMEM	S13SLFMEM:W13 SELF RATED MEMORY	Categ
14	S14SLFMEM	S14SLFMEM:W14 SELF RATED MEMORY	Categ
15	S15SLFMEM	S15SLFMEM:W15 SELF RATED MEMORY	Categ
16	S16SLFMEM	S16SLFMEM:W16 SELF RATED MEMORY	Categ
1	R1FSLFME	R1FSLFME:W1 IMPFLAG: SELF RATED MEMORY	Categ
2	R2FSLFME	R2FSLFME:W2 IMPFLAG: SELF RATED MEMORY	Categ
3	R3FSLFME	R3FSLFME:W3 IMPFLAG: SELF RATED MEMORY	Categ
4	R4FSLFME	R4FSLFME:W4 IMPFLAG: SELF RATED MEMORY	Categ
5	R5FSLFME	R5FSLFME:W5 IMPFLAG: SELF RATED MEMORY	Categ
6	R6FSLFME	R6FSLFME:W6 IMPFLAG: SELF RATED MEMORY	Categ
7	R7FSLFME	R7FSLFME:W7 IMPFLAG: SELF RATED MEMORY	Categ
8	R8FSLFME	R8FSLFME:W8 IMPFLAG: SELF RATED MEMORY	Categ
9	R9FSLFME	R9FSLFME:W9 IMPFLAG: SELF RATED MEMORY	Categ
10	R10FSLFME	R10FSLFME:W10 IMPFLAG: SELF RATED MEMORY	Categ
11	R11FSLFME	R11FSLFME:W11 IMPFLAG: SELF RATED MEMORY	Categ
12	R12FSLFME	R12FSLFME:W12 IMPFLAG: SELF RATED MEMORY	Categ
13	R13FSLFME	R13FSLFME:W13 IMPFLAG: SELF RATED MEMORY	Categ
14	R14FSLFME	R14FSLFME:W14 IMPFLAG: SELF RATED MEMORY	Categ
15	R15FSLFME	R15FSLFME:W15 IMPFLAG: SELF RATED MEMORY	Categ
16	R16FSLFME	R16FSLFME:W16 IMPFLAG: SELF RATED MEMORY	Categ
1	S1FSLFME	S1FSLFME:W1 IMPFLAG: SELF RATED MEMORY	Categ
2	S2FSLFME	S2FSLFME:W2 IMPFLAG: SELF RATED MEMORY	Categ
3	S3FSLFME	S3FSLFME:W3 IMPFLAG: SELF RATED MEMORY	Categ
4	S4FSLFME	S4FSLFME:W4 IMPFLAG: SELF RATED MEMORY	Categ
5	S5FSLFME	S5FSLFME:W5 IMPFLAG: SELF RATED MEMORY	Categ
6	S6FSLFME	S6FSLFME:W6 IMPFLAG: SELF RATED MEMORY	Categ
7	S7FSLFME	S7FSLFME:W7 IMPFLAG: SELF RATED MEMORY	Categ
8	S8FSLFME	S8FSLFME:W8 IMPFLAG: SELF RATED MEMORY	Categ
9	S9FSLFME	S9FSLFME:W9 IMPFLAG: SELF RATED MEMORY	Categ
10	S10FSLFME	S10FSLFME:W10 IMPFLAG: SELF RATED MEMORY	Categ
11	S11FSLFME	S11FSLFME:W11 IMPFLAG: SELF RATED MEMORY	Categ
12	S12FSLFME	S12FSLFME:W12 IMPFLAG: SELF RATED MEMORY	Categ
13	S13FSLFME	S13FSLFME:W13 IMPFLAG: SELF RATED MEMORY	Categ
14	S14FSLFME	S14FSLFME:W14 IMPFLAG: SELF RATED MEMORY	Categ
15	S15FSLFME	S15FSLFME:W15 IMPFLAG: SELF RATED MEMORY	Categ

16	S16FSLFME	S16FSLFME:W16 IMPFLAG: SELF RATED MEMORY	Categ
1	R1PSTMEM	R1PSTMEM:W1 MEMORY COMPARED TO PAST	Categ
2	R2PSTMEM	R2PSTMEM:W2 MEMORY COMPARED TO PAST	Categ
3	R3PSTMEM	R3PSTMEM:W3 MEMORY COMPARED TO PAST	Categ
4	R4PSTMEM	R4PSTMEM:W4 MEMORY COMPARED TO PAST	Categ
5	R5PSTMEM	R5PSTMEM:W5 MEMORY COMPARED TO PAST	Categ
6	R6PSTMEM	R6PSTMEM:W6 MEMORY COMPARED TO PAST	Categ
7	R7PSTMEM	R7PSTMEM:W7 MEMORY COMPARED TO PAST	Categ
8	R8PSTMEM	R8PSTMEM:W8 MEMORY COMPARED TO PAST	Categ
9	R9PSTMEM	R9PSTMEM:W9 MEMORY COMPARED TO PAST	Categ
10	R10PSTMEM	R10PSTMEM:W10 MEMORY COMPARED TO PAST	Categ
11	R11PSTMEM	R11PSTMEM:W11 MEMORY COMPARED TO PAST	Categ
12	R12PSTMEM	R12PSTMEM:W12 MEMORY COMPARED TO PAST	Categ
13	R13PSTMEM	R13PSTMEM:W13 MEMORY COMPARED TO PAST	Categ
14	R14PSTMEM	R14PSTMEM:W14 MEMORY COMPARED TO PAST	Categ
15	R15PSTMEM	R15PSTMEM:W15 MEMORY COMPARED TO PAST	Categ
16	R16PSTMEM	R16PSTMEM:W16 MEMORY COMPARED TO PAST	Categ
1	S1PSTMEM	S1PSTMEM:W1 MEMORY COMPARED TO PAST	Categ
2	S2PSTMEM	S2PSTMEM:W2 MEMORY COMPARED TO PAST	Categ
3	S3PSTMEM	S3PSTMEM:W3 MEMORY COMPARED TO PAST	Categ
4	S4PSTMEM	S4PSTMEM:W4 MEMORY COMPARED TO PAST	Categ
5	S5PSTMEM	S5PSTMEM:W5 MEMORY COMPARED TO PAST	Categ
6	S6PSTMEM	S6PSTMEM:W6 MEMORY COMPARED TO PAST	Categ
7	S7PSTMEM	S7PSTMEM:W7 MEMORY COMPARED TO PAST	Categ
8	S8PSTMEM	S8PSTMEM:W8 MEMORY COMPARED TO PAST	Categ
9	S9PSTMEM	S9PSTMEM:W9 MEMORY COMPARED TO PAST	Categ
10	S10PSTMEM	S10PSTMEM:W10 MEMORY COMPARED TO PAST	Categ
11	S11PSTMEM	S11PSTMEM:W11 MEMORY COMPARED TO PAST	Categ
12	S12PSTMEM	S12PSTMEM:W12 MEMORY COMPARED TO PAST	Categ
13	S13PSTMEM	S13PSTMEM:W13 MEMORY COMPARED TO PAST	Categ
14	S14PSTMEM	S14PSTMEM:W14 MEMORY COMPARED TO PAST	Categ
15	S15PSTMEM	S15PSTMEM:W15 MEMORY COMPARED TO PAST	Categ
16	S16PSTMEM	S16PSTMEM:W16 MEMORY COMPARED TO PAST	Categ
1	R1FPSTME	R1FPSTME:W1 IMPFLAG: MEMORY COMPARED TO PAST	Categ
2	R2FPSTME	R2FPSTME:W2 IMPFLAG: MEMORY COMPARED TO PAST	Categ
3	R3FPSTME	R3FPSTME:W3 IMPFLAG: MEMORY COMPARED TO PAST	Categ
4	R4FPSTME	R4FPSTME:W4 IMPFLAG: MEMORY COMPARED TO PAST	Categ
5	R5FPSTME	R5FPSTME:W5 IMPFLAG: MEMORY COMPARED TO PAST	Categ
6	R6FPSTME	R6FPSTME:W6 IMPFLAG: MEMORY COMPARED TO PAST	Categ
7	R7FPSTME	R7FPSTME:W7 IMPFLAG: MEMORY COMPARED TO PAST	Categ
8	R8FPSTME	R8FPSTME:W8 IMPFLAG: MEMORY COMPARED TO PAST	Categ
9	R9FPSTME	R9FPSTME:W9 IMPFLAG: MEMORY COMPARED TO PAST	Categ
10	R10FPSTME	R10FPSTME:W10 IMPFLAG: MEMORY COMPARED TO PAST	Categ
11	R11FPSTME	R11FPSTME:W11 IMPFLAG: MEMORY COMPARED TO PAST	Categ
12	R12FPSTME	R12FPSTME:W12 IMPFLAG: MEMORY COMPARED TO PAST	Categ
13	R13FPSTME	R13FPSTME:W13 IMPFLAG: MEMORY COMPARED TO PAST	Categ
14	R14FPSTME	R14FPSTME:W14 IMPFLAG: MEMORY COMPARED TO PAST	Categ
15	R15FPSTME	R15FPSTME:W15 IMPFLAG: MEMORY COMPARED TO PAST	Categ
16	R16FPSTME	R16FPSTME:W16 IMPFLAG: MEMORY COMPARED TO PAST	Categ
1	S1FPSTME	S1FPSTME:W1 IMPFLAG: MEMORY COMPARED TO PAST	Categ
2	S2FPSTME	S2FPSTME:W2 IMPFLAG: MEMORY COMPARED TO PAST	Categ
3	S3FPSTME	S3FPSTME:W3 IMPFLAG: MEMORY COMPARED TO PAST	Categ
4	S4FPSTME	S4FPSTME:W4 IMPFLAG: MEMORY COMPARED TO PAST	Categ
5	S5FPSTME	S5FPSTME:W5 IMPFLAG: MEMORY COMPARED TO PAST	Categ
6	S6FPSTME	S6FPSTME:W6 IMPFLAG: MEMORY COMPARED TO PAST	Categ
7	S7FPSTME	S7FPSTME:W7 IMPFLAG: MEMORY COMPARED TO PAST	Categ
8	S8FPSTME	S8FPSTME:W8 IMPFLAG: MEMORY COMPARED TO PAST	Categ
9	S9FPSTME	S9FPSTME:W9 IMPFLAG: MEMORY COMPARED TO PAST	Categ
10	S10FPSTME	S10FPSTME:W10 IMPFLAG: MEMORY COMPARED TO PAST	Categ
11	S11FPSTME	S11FPSTME:W11 IMPFLAG: MEMORY COMPARED TO PAST	Categ
12	S12FPSTME	S12FPSTME:W12 IMPFLAG: MEMORY COMPARED TO PAST	Categ
13	S13FPSTME	S13FPSTME:W13 IMPFLAG: MEMORY COMPARED TO PAST	Categ
14	S14FPSTME	S14FPSTME:W14 IMPFLAG: MEMORY COMPARED TO PAST	Categ
15	S15FPSTME	S15FPSTME:W15 IMPFLAG: MEMORY COMPARED TO PAST	Categ
16	S16FPSTME	S16FPSTME:W16 IMPFLAG: MEMORY COMPARED TO PAST	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SLFMEM	11883	2.44	1.03	1.0	5.0
R2SLFMEM	18073	2.68	1.03	1.0	5.0
R3SLFMEM	16351	2.97	0.97	1.0	5.0
R4SLFMEM	19341	2.88	0.96	1.0	5.0
R5SLFMEM	17516	2.93	0.93	1.0	5.0
R6SLFMEM	16129	2.96	0.92	1.0	5.0
R7SLFMEM	18327	2.99	0.97	1.0	5.0
R8SLFMEM	17209	3.00	0.96	1.0	5.0
R9SLFMEM	16077	3.01	0.94	1.0	5.0
R10SLFMEM	20652	2.94	0.96	1.0	5.0
R11SLFMEM	19407	3.00	0.95	1.0	5.0
R12SLFMEM	17698	3.06	0.92	1.0	5.0
R13SLFMEM	19971	2.97	0.97	1.0	5.0
R14SLFMEM	16483	3.00	0.94	1.0	5.0
R15SLFMEM	15002	2.99	0.93	1.0	5.0
R16SLFMEM	15201	2.98	0.96	1.0	5.0
S1SLFMEM	9166	2.42	1.01	1.0	5.0
S2SLFMEM	11937	2.62	1.01	1.0	5.0
S3SLFMEM	10806	2.97	0.95	1.0	5.0
S4SLFMEM	12573	2.87	0.93	1.0	5.0
S5SLFMEM	11320	2.91	0.92	1.0	5.0
S6SLFMEM	10280	2.93	0.90	1.0	5.0
S7SLFMEM	11769	2.96	0.95	1.0	5.0
S8SLFMEM	10943	2.97	0.94	1.0	5.0
S9SLFMEM	9989	2.98	0.92	1.0	5.0
S10SLFMEM	12696	2.91	0.95	1.0	5.0
S11SLFMEM	11834	2.96	0.94	1.0	5.0
S12SLFMEM	10423	3.03	0.91	1.0	5.0
S13SLFMEM	11253	2.96	0.95	1.0	5.0
S14SLFMEM	8974	2.99	0.93	1.0	5.0
S15SLFMEM	8058	2.96	0.92	1.0	5.0
S16SLFMEM	7520	2.95	0.93	1.0	5.0
R1FSLFME	11883	0.01	0.08	0.0	1.0
R2FSLFME	18073	0.00	0.05	0.0	1.0
R3FSLFME	16351	0.00	0.03	0.0	1.0
R4FSLFME	19341	0.00	0.03	0.0	1.0
R5FSLFME	17516	0.00	0.04	0.0	1.0
R6FSLFME	16129	0.00	0.03	0.0	1.0
R7FSLFME	18327	0.00	0.06	0.0	1.0
R8FSLFME	17209	0.00	0.04	0.0	1.0
R9FSLFME	16077	0.00	0.03	0.0	1.0
R10FSLFME	20652	0.00	0.03	0.0	1.0
R11FSLFME	19407	0.00	0.03	0.0	1.0
R12FSLFME	17698	0.00	0.03	0.0	1.0
R13FSLFME	19971	0.00	0.03	0.0	1.0
R14FSLFME	16483	0.00	0.03	0.0	1.0
R15FSLFME	15002	0.00	0.04	0.0	1.0
R16FSLFME	15201	0.00	0.04	0.0	1.0
S1FSLFME	9166	0.00	0.06	0.0	1.0
S2FSLFME	11937	0.00	0.04	0.0	1.0
S3FSLFME	10806	0.00	0.03	0.0	1.0
S4FSLFME	12573	0.00	0.03	0.0	1.0
S5FSLFME	11320	0.00	0.03	0.0	1.0

S6FSLFME	10280	0.00	0.03	0.0	1.0
S7FSLFME	11769	0.00	0.05	0.0	1.0
S8FSLFME	10943	0.00	0.03	0.0	1.0
S9FSLFME	9989	0.00	0.02	0.0	1.0
S10FSLFME	12696	0.00	0.03	0.0	1.0
S11FSLFME	11834	0.00	0.04	0.0	1.0
S12FSLFME	10423	0.00	0.02	0.0	1.0
S13FSLFME	11253	0.00	0.03	0.0	1.0
S14FSLFME	8974	0.00	0.03	0.0	1.0
S15FSLFME	8058	0.00	0.03	0.0	1.0
S16FSLFME	7520	0.00	0.03	0.0	1.0
R1PSTMEM	11883	2.04	0.46	1.0	3.0
R2PSTMEM	18073	2.07	0.41	1.0	3.0
R3PSTMEM	16351	2.16	0.44	1.0	3.0
R4PSTMEM	19341	2.16	0.44	1.0	3.0
R5PSTMEM	17516	2.15	0.42	1.0	3.0
R6PSTMEM	16129	2.18	0.43	1.0	3.0
R7PSTMEM	18327	2.20	0.47	1.0	3.0
R8PSTMEM	17209	2.20	0.46	1.0	3.0
R9PSTMEM	16077	2.20	0.46	1.0	3.0
R10PSTMEM	20652	2.19	0.48	1.0	3.0
R11PSTMEM	19407	2.17	0.45	1.0	3.0
R12PSTMEM	17698	2.17	0.46	1.0	3.0
R13PSTMEM	19971	2.18	0.47	1.0	3.0
R14PSTMEM	16483	2.16	0.45	1.0	3.0
R15PSTMEM	15002	2.16	0.45	1.0	3.0
R16PSTMEM	15201	2.17	0.48	1.0	3.0
S1PSTMEM	9166	2.04	0.45	1.0	3.0
S2PSTMEM	11937	2.07	0.40	1.0	3.0
S3PSTMEM	10806	2.16	0.43	1.0	3.0
S4PSTMEM	12573	2.16	0.43	1.0	3.0
S5PSTMEM	11320	2.15	0.41	1.0	3.0
S6PSTMEM	10280	2.19	0.43	1.0	3.0
S7PSTMEM	11769	2.21	0.46	1.0	3.0
S8PSTMEM	10943	2.20	0.44	1.0	3.0
S9PSTMEM	9989	2.19	0.45	1.0	3.0
S10PSTMEM	12696	2.20	0.47	1.0	3.0
S11PSTMEM	11834	2.17	0.44	1.0	3.0
S12PSTMEM	10423	2.17	0.44	1.0	3.0
S13PSTMEM	11253	2.18	0.46	1.0	3.0
S14PSTMEM	8974	2.17	0.44	1.0	3.0
S15PSTMEM	8058	2.16	0.44	1.0	3.0
S16PSTMEM	7520	2.18	0.46	1.0	3.0
R1FPSTME	11883	0.01	0.07	0.0	1.0
R2FPSTME	18073	0.00	0.05	0.0	1.0
R3FPSTME	16351	0.00	0.03	0.0	1.0
R4FPSTME	19341	0.00	0.04	0.0	1.0
R5FPSTME	17516	0.00	0.04	0.0	1.0
R6FPSTME	16129	0.00	0.04	0.0	1.0
R7FPSTME	18327	0.00	0.06	0.0	1.0
R8FPSTME	17209	0.00	0.04	0.0	1.0
R9FPSTME	16077	0.00	0.05	0.0	1.0
R10FPSTME	20652	0.00	0.04	0.0	1.0
R11FPSTME	19407	0.00	0.04	0.0	1.0
R12FPSTME	17698	0.00	0.04	0.0	1.0
R13FPSTME	19971	0.00	0.04	0.0	1.0

R14FPSTME	16483	0.00	0.03	0.0	1.0
R15FPSTME	15002	0.00	0.05	0.0	1.0
R16FPSTME	15201	0.00	0.04	0.0	1.0
S1FPSTME	9166	0.00	0.06	0.0	1.0
S2FPSTME	11937	0.00	0.04	0.0	1.0
S3FPSTME	10806	0.00	0.03	0.0	1.0
S4FPSTME	12573	0.00	0.03	0.0	1.0
S5FPSTME	11320	0.00	0.04	0.0	1.0
S6FPSTME	10280	0.00	0.05	0.0	1.0
S7FPSTME	11769	0.00	0.06	0.0	1.0
S8FPSTME	10943	0.00	0.04	0.0	1.0
S9FPSTME	9989	0.00	0.04	0.0	1.0
S10FPSTME	12696	0.00	0.04	0.0	1.0
S11FPSTME	11834	0.00	0.04	0.0	1.0
S12FPSTME	10423	0.00	0.03	0.0	1.0
S13FPSTME	11253	0.00	0.03	0.0	1.0
S14FPSTME	8974	0.00	0.03	0.0	1.0
S15FPSTME	8058	0.00	0.04	0.0	1.0
S16FPSTME	7520	0.00	0.04	0.0	1.0

Categorical Variable Codes

RwSLFMEM: SELF RATED MEMORY

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD ovrlap	120									
.M=Oth missing										
.S=Proxy IW	398	789	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW	251	780	544	475	345	265	239	158	141	153
1.Excellent	2297	2430	1150	1514	1069	814	1170	991	833	1403
2.Very good	4265	5439	3671	4787	4224	3994	4241	3981	3718	5094
3.Good	3505	6456	6942	8336	7766	7059	7553	7186	6875	8511
4.Fair	1474	3025	3703	3911	3729	3556	4401	4139	3793	4681
5.Poor	342	723	885	793	728	706	962	912	858	963

Value	w11	w12	w13	w14	w15	w16
.C=HRS-AHD ovrlap						
.M=Oth missing	1					
.S=Proxy IW	1006	937	830	599	638	527
.X=NR or Proxy all IW	140	112	111	64	83	59
1.Excellent	1093	771	1300	892	763	950
2.Very good	4590	3850	4755	3835	3630	3649
3.Good	8011	7516	8125	6844	6306	6111
4.Fair	4740	4657	4821	4130	3644	3801
5.Poor	973	904	970	782	659	690

SwSLFMEM: SELF RATED MEMORY

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD ovrlap	117									
.M=Oth missing										
.S=Proxy IW	380	684	771	1091	1158	1172	1017	661	549	687
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW	237	469	340	316	252	187	186	131	108	130
1.Excellent	1762	1668	699	925	690	529	746	636	496	830
2.Very good	3353	3828	2460	3182	2816	2594	2809	2600	2403	3268
3.Good	2721	4209	4688	5514	5057	4630	4930	4673	4376	5282
4.Fair	1094	1853	2420	2505	2343	2133	2739	2518	2253	2804
5.Poor	236	379	539	447	414	394	545	516	461	512

Value	w11	w12	w13	w14	w15	w16
.C=HRS-AHD ovrlap						
.M=Oth missing	1					
.S=Proxy IW	534	496	424	326	341	271
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.X=NR or Proxy all IW	115	93	102	58	78	49
1.Excellent	659	442	706	459	396	445
2.Very good	2921	2352	2728	2168	2028	1857
3.Good	4983	4504	4667	3772	3417	3134
4.Fair	2744	2653	2648	2192	1903	1794
5.Poor	527	472	504	383	314	290

RwFSLFME: IMPFLAG: SELF RATED MEMORY

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD ovrlap	120									
.M=Oth missing										
.S=Proxy IW	398	789	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW	251	780	544	475	345	265	239	158	141	153
0.Not imputed	11813	18028	16336	19318	17492	16111	18267	17186	16063	20631
1.Imputed	70	45	15	23	24	18	60	23	14	21

Value	w11	w12	w13	w14	w15	w16
.C=HRS-AHD ovrlap						
.M=Oth missing	1					
.S=Proxy IW	1006	937	830	599	638	527
.X=NR or Proxy all IW	140	112	111	64	83	59
0.Not imputed	19389	17681	19952	16468	14976	15182
1.Imputed	18	17	19	15	26	19

SwFSLFME: IMPFLAG: SELF RATED MEMORY

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD ovrlap	117									
.M=Oth missing										
.S=Proxy IW	380	684	771	1091	1158	1172	1017	661	549	687
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW	237	469	340	316	252	187	186	131	108	130
0.Not imputed	9130	11920	10799	12561	11309	10269	11736	10934	9983	12682
1.Imputed	36	17	7	12	11	11	33	9	6	14

Value	w11	w12	w13	w14	w15	w16
.C=HRS-AHD ovrlap						
.M=Oth missing	1					
.S=Proxy IW	534	496	424	326	341	271
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.X=NR or Proxy all IW	115	93	102	58	78	49
0.Not imputed	11819	10419	11245	8967	8050	7512
1.Imputed	15	4	8	7	8	8

RwPSTMEM: MEMORY COMPARED TO PAST

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD ovrlap	120									
.M=Oth missing										
.S=Proxy IW	398	789	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW	251	780	544	475	345	265	239	158	141	153
1.Better	1064	928	486	542	421	306	546	404	427	749
2.Same	9314	14886	12796	15143	14001	12553	13503	12929	12042	15156
3.Worse	1505	2259	3069	3656	3094	3270	4278	3876	3608	4747

Value	w11	w12	w13	w14	w15	w16
.C=HRS-AHD ovrlap						
.M=Oth missing	1					
.S=Proxy IW	1006	937	830	599	638	527
.X=NR or Proxy all IW	140	112	111	64	83	59
1.Better	658	590	789	569	513	643
2.Same	14870	13474	14858	12695	11617	11258
3.Worse	3879	3634	4324	3219	2872	3300

SwPSTMEM: MEMORY COMPARED TO PAST

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD ovrlap	117									
.M=Oth missing										
.S=Proxy IW	380	684	771	1091	1158	1172	1017	661	549	687
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW	237	469	340	316	252	187	186	131	108	130
1.Better	720	572	245	310	247	165	288	218	228	376
2.Same	7327	9972	8563	9896	9132	8048	8755	8360	7612	9414
3.Worse	1119	1393	1998	2367	1941	2067	2726	2365	2149	2906

Value	w11	w12	w13	w14	w15	w16
.C=HRS-AHD ovrlap						
.M=Oth missing	1					
.S=Proxy IW	534	496	424	326	341	271
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.X=NR or Proxy all IW	115	93	102	58	78	49
1.Better	336	269	358	244	212	245
2.Same	9197	8078	8465	6991	6315	5688
3.Worse	2301	2076	2430	1739	1531	1587

RwFPSTME: IMPFLAG: MEMORY COMPARED TO PAST

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD ovrlap	120									
.M=Oth missing										
.S=Proxy IW	398	789	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW	251	780	544	475	345	265	239	158	141	153
0.Not imputed	11817	18032	16332	19311	17481	16101	18252	17176	16042	20612
1.Imputed	66	41	19	30	35	28	75	33	35	40

Value	w11	w12	w13	w14	w15	w16
.C=HRS-AHD ovrlap						
.M=Oth missing	1					
.S=Proxy IW	1006	937	830	599	638	527
.X=NR or Proxy all IW	140	112	111	64	83	59
0.Not imputed	19374	17676	19938	16466	14965	15172
1.Imputed	33	22	33	17	37	29

SwFPSTME: IMPFLAG: MEMORY COMPARED TO PAST

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD ovrlap	117									
.M=Oth missing										
.S=Proxy IW	380	684	771	1091	1158	1172	1017	661	549	687
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW	237	469	340	316	252	187	186	131	108	130
0.Not imputed	9133	11922	10797	12562	11301	10259	11727	10922	9974	12676
1.Imputed	33	15	9	11	19	21	42	21	15	20

Value	w11	w12	w13	w14	w15	w16
.C=HRS-AHD ovrlap						
.M=Oth missing	1					
.S=Proxy IW	534	496	424	326	341	271
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.X=NR or Proxy all IW	115	93	102	58	78	49
0.Not imputed	11818	10414	11241	8968	8047	7509
1.Imputed	16	9	12	6	11	11

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are typically calculated only for the final release data. Note that for Waves 14 forward, some cognition measures collected via Web interviews differed in their implementation, measurement, or collection method. Due to these differences, these cognition variables are separated into two measures: one ending in [P] for Face-to-Face/Telephone interviews and one ending in [W] for Web interviews. For some variables, only the [P] for Face-to-Face/Telephone interviews measure is provided. Please review the HRS documentation linked below and the specific variable documentation, when applicable, in this documentation section.

Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2022) (Final Version V2.0) Data Description (HRS Staff, March 2026) on the HRS website for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

RwSLFMEM provides self-reported general rating of memory, and RwPSTMEM provides a self-reported measure of change in memory since the last interview or over the last two years.

RwSLFMEM ranges from 1 for excellent to 5 for poor memory. RwPSTMEM ranges from 1 for better to 3 for worse.

RwFSLFME and RwFPSTME indicate whether the values were imputed (=1) or not (=0).

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

SwSLFMEM, SwFSLFME, SwPSTMEM, and SwFPSTME are taken from the Wave "w" spouse's value for RwSLFMEM, RwFSLFME, RwPSTMEM, and RwFPSTME, respectively.

Note that the variable names RwFSLFME and RwFPSTME have been shortened from RwFSLFMEM and RwFPSTMEM in the original HRS imputation file to conform to the current 8-character limit.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2H, the questions used for current memory and comparison to the past asked:

"How would you rate your ability to think quickly at the present time?"

And: "Compared with 2 years ago, how would you rate your ability to think quickly? Would you say it is much better now, soumewhat better, about the same, somewhat worse, or much worse than it was then?"

In all other waves the wording was different, i.e.:

"How would you rate your memory at the present time?"

And: "Compared with (previous wave interview/two years ago), would you say your memory is better now, about the same, or worse than it was then?"

Imputed Cognition: Immediate Word Recall

Wave	Variable	Label	Type
1	R1IMRC20	R1IMRC20: W1 IMMEDIATE WORD RECALL	Cont
1	S1IMRC20	S1IMRC20: W1 IMMEDIATE WORD RECALL	Cont
2	R2AIMR10	R2AIMR10:W2 IMMEDIATE WORD RECALL-AHD93	Cont
2	S2AIMR10	S2AIMR10:W2 IMMEDIATE WORD RECALL-AHD93	Cont
2	R2HIMR20	R2HIMR20:W2 IMMEDIATE WORD RECALL-HRS94	Cont
2	S2HIMR20	S2HIMR20:W2 IMMEDIATE WORD RECALL-HRS94	Cont
3	R3IMRC	R3IMRC:W3 IMMEDIATE WORD RECALL	Cont
4	R4IMRC	R4IMRC:W4 IMMEDIATE WORD RECALL	Cont
5	R5IMRC	R5IMRC:W5 IMMEDIATE WORD RECALL	Cont
6	R6IMRC	R6IMRC:W6 IMMEDIATE WORD RECALL	Cont
7	R7IMRC	R7IMRC:W7 IMMEDIATE WORD RECALL	Cont
8	R8IMRC	R8IMRC:W8 IMMEDIATE WORD RECALL	Cont
9	R9IMRC	R9IMRC:W9 IMMEDIATE WORD RECALL	Cont
10	R10IMRC	R10IMRC:W10 IMMEDIATE WORD RECALL	Cont
11	R11IMRC	R11IMRC:W11 IMMEDIATE WORD RECALL	Cont
12	R12IMRC	R12IMRC:W12 IMMEDIATE WORD RECALL	Cont
13	R13IMRC	R13IMRC:W13 IMMEDIATE WORD RECALL	Cont
3	S3IMRC	S3IMRC:W3 IMMEDIATE WORD RECALL	Cont
4	S4IMRC	S4IMRC:W4 IMMEDIATE WORD RECALL	Cont
5	S5IMRC	S5IMRC:W5 IMMEDIATE WORD RECALL	Cont
6	S6IMRC	S6IMRC:W6 IMMEDIATE WORD RECALL	Cont
7	S7IMRC	S7IMRC:W7 IMMEDIATE WORD RECALL	Cont
8	S8IMRC	S8IMRC:W8 IMMEDIATE WORD RECALL	Cont
9	S9IMRC	S9IMRC:W9 IMMEDIATE WORD RECALL	Cont
10	S10IMRC	S10IMRC:W10 IMMEDIATE WORD RECALL	Cont
11	S11IMRC	S11IMRC:W11 IMMEDIATE WORD RECALL	Cont
12	S12IMRC	S12IMRC:W12 IMMEDIATE WORD RECALL	Cont
13	S13IMRC	S13IMRC:W13 IMMEDIATE WORD RECALL	Cont
1	R1FIMRC	R1FIMRC:W1 IMPFLAG: IMMEDIATE WORD RECALL	Categ
2	R2FIMRC	R2FIMRC:W2 IMPFLAG: IMMEDIATE WORD RECALL	Categ
3	R3FIMRC	R3FIMRC:W3 IMPFLAG: IMMEDIATE WORD RECALL	Categ
4	R4FIMRC	R4FIMRC:W4 IMPFLAG: IMMEDIATE WORD RECALL	Categ
5	R5FIMRC	R5FIMRC:W5 IMPFLAG: IMMEDIATE WORD RECALL	Categ
6	R6FIMRC	R6FIMRC:W6 IMPFLAG: IMMEDIATE WORD RECALL	Categ
7	R7FIMRC	R7FIMRC:W7 IMPFLAG: IMMEDIATE WORD RECALL	Categ
8	R8FIMRC	R8FIMRC:W8 IMPFLAG: IMMEDIATE WORD RECALL	Categ
9	R9FIMRC	R9FIMRC:W9 IMPFLAG: IMMEDIATE WORD RECALL	Categ
10	R10FIMRC	R10FIMRC:W10 IMPFLAG: IMMEDIATE WORD RECALL	Categ
11	R11FIMRC	R11FIMRC:W11 IMPFLAG: IMMEDIATE WORD RECALL	Categ
12	R12FIMRC	R12FIMRC:W12 IMPFLAG: IMMEDIATE WORD RECALL	Categ
13	R13FIMRC	R13FIMRC:W13 IMPFLAG: IMMEDIATE WORD RECALL	Categ
1	S1FIMRC	S1FIMRC:W1 IMPFLAG: IMMEDIATE WORD RECALL	Categ
2	S2FIMRC	S2FIMRC:W2 IMPFLAG: IMMEDIATE WORD RECALL	Categ
3	S3FIMRC	S3FIMRC:W3 IMPFLAG: IMMEDIATE WORD RECALL	Categ
4	S4FIMRC	S4FIMRC:W4 IMPFLAG: IMMEDIATE WORD RECALL	Categ
5	S5FIMRC	S5FIMRC:W5 IMPFLAG: IMMEDIATE WORD RECALL	Categ
6	S6FIMRC	S6FIMRC:W6 IMPFLAG: IMMEDIATE WORD RECALL	Categ
7	S7FIMRC	S7FIMRC:W7 IMPFLAG: IMMEDIATE WORD RECALL	Categ
8	S8FIMRC	S8FIMRC:W8 IMPFLAG: IMMEDIATE WORD RECALL	Categ
9	S9FIMRC	S9FIMRC:W9 IMPFLAG: IMMEDIATE WORD RECALL	Categ
10	S10FIMRC	S10FIMRC:W10 IMPFLAG: IMMEDIATE WORD RECALL	Categ
11	S11FIMRC	S11FIMRC:W11 IMPFLAG: IMMEDIATE WORD RECALL	Categ
12	S12FIMRC	S12FIMRC:W12 IMPFLAG: IMMEDIATE WORD RECALL	Categ
13	S13FIMRC	S13FIMRC:W13 IMPFLAG: IMMEDIATE WORD RECALL	Categ
14	R14IMRCP	R14IMRCP:W14 FTF/TEL IMMEDIATE WORD RECALL	Cont
15	R15IMRCP	R15IMRCP:W15 FTF/TEL IMMEDIATE WORD RECALL	Cont

16	R16IMRCP	R16IMRCP:W16 FTF/TEL IMMEDIATE WORD RECALL	Cont
14	S14IMRCP	S14IMRCP:W14 FTF/TEL IMMEDIATE WORD RECALL	Cont
15	S15IMRCP	S15IMRCP:W15 FTF/TEL IMMEDIATE WORD RECALL	Cont
16	S16IMRCP	S16IMRCP:W16 FTF/TEL IMMEDIATE WORD RECALL	Cont
14	R14IMRCW	R14IMRCW:W14 WEB IMMEDIATE WORD RECALL	Cont
15	R15IMRCW	R15IMRCW:W15 WEB IMMEDIATE WORD RECALL	Cont
16	R16IMRCW	R16IMRCW:W16 WEB IMMEDIATE WORD RECALL	Cont
14	S14IMRCW	S14IMRCW:W14 WEB IMMEDIATE WORD RECALL	Cont
15	S15IMRCW	S15IMRCW:W15 WEB IMMEDIATE WORD RECALL	Cont
16	S16IMRCW	S16IMRCW:W16 WEB IMMEDIATE WORD RECALL	Cont
14	R14FIMRCP	R14FIMRCP:W14 FTF/TEL IMPFLAG: IMMEDIATE WORD RECALL	Categ
15	R15FIMRCP	R15FIMRCP:W15 FTF/TEL IMPFLAG: IMMEDIATE WORD RECALL	Categ
16	R16FIMRCP	R16FIMRCP:W16 FTF/TEL IMPFLAG: IMMEDIATE WORD RECALL	Categ
14	S14FIMRCP	S14FIMRCP:W14 FTF/TEL IMPFLAG: IMMEDIATE WORD RECALL	Categ
15	S15FIMRCP	S15FIMRCP:W15 FTF/TEL IMPFLAG: IMMEDIATE WORD RECALL	Categ
16	S16FIMRCP	S16FIMRCP:W16 FTF/TEL IMPFLAG: IMMEDIATE WORD RECALL	Categ
14	R14FIMRCW	R14FIMRCW:W14 WEB IMPFLAG: IMMEDIATE WORD RECALL	Categ
15	R15FIMRCW	R15FIMRCW:W15 WEB IMPFLAG: IMMEDIATE WORD RECALL	Categ
16	R16FIMRCW	R16FIMRCW:W16 WEB IMPFLAG: IMMEDIATE WORD RECALL	Categ
14	S14FIMRCW	S14FIMRCW:W14 WEB IMPFLAG: IMMEDIATE WORD RECALL	Categ
15	S15FIMRCW	S15FIMRCW:W15 WEB IMPFLAG: IMMEDIATE WORD RECALL	Categ
16	S16FIMRCW	S16FIMRCW:W16 WEB IMPFLAG: IMMEDIATE WORD RECALL	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IMRC20	11883	7.44	2.73	0.0	20.0
S1IMRC20	9166	7.56	2.69	0.0	20.0
R2AIMR10	7382	4.55	1.94	0.0	10.0
S2AIMR10	3866	4.83	1.88	0.0	10.0
R2HIMR20	10691	7.91	3.17	0.0	20.0
S2HIMR20	8071	8.01	3.12	0.0	20.0
R3IMRC	16351	5.54	1.88	0.0	10.0
R4IMRC	19341	5.66	1.86	0.0	10.0
R5IMRC	17516	5.47	1.82	0.0	10.0
R6IMRC	16129	5.47	1.76	0.0	10.0
R7IMRC	18327	5.43	1.68	0.0	10.0
R8IMRC	17209	5.39	1.74	0.0	10.0
R9IMRC	16077	5.36	1.72	0.0	10.0
R10IMRC	20652	5.37	1.65	0.0	10.0
R11IMRC	19407	5.32	1.68	0.0	10.0
R12IMRC	17698	5.34	1.73	0.0	10.0
R13IMRC	19971	5.36	1.68	0.0	10.0
S3IMRC	10806	5.73	1.80	0.0	10.0
S4IMRC	12573	5.84	1.78	0.0	10.0
S5IMRC	11320	5.64	1.75	0.0	10.0
S6IMRC	10280	5.63	1.71	0.0	10.0

S7IMRC	11769	5.59	1.62	0.0	10.0
S8IMRC	10943	5.56	1.68	0.0	10.0
S9IMRC	9989	5.51	1.67	0.0	10.0
S10IMRC	12696	5.51	1.61	0.0	10.0
S11IMRC	11834	5.47	1.64	0.0	10.0
S12IMRC	10423	5.52	1.67	0.0	10.0
S13IMRC	11253	5.52	1.63	0.0	10.0
R1FIMRC	11883	0.02	0.15	0.0	1.0
R2FIMRC	18073	0.04	0.19	0.0	1.0
R3FIMRC	16351	0.01	0.09	0.0	1.0
R4FIMRC	19341	0.01	0.09	0.0	1.0
R5FIMRC	17516	0.01	0.11	0.0	1.0
R6FIMRC	16129	0.02	0.14	0.0	1.0
R7FIMRC	18327	0.01	0.12	0.0	1.0
R8FIMRC	17209	0.01	0.11	0.0	1.0
R9FIMRC	16077	0.01	0.10	0.0	1.0
R10FIMRC	20652	0.01	0.10	0.0	1.0
R11FIMRC	19407	0.01	0.11	0.0	1.0
R12FIMRC	17698	0.01	0.10	0.0	1.0
R13FIMRC	19971	0.01	0.10	0.0	1.0
S1FIMRC	9166	0.02	0.14	0.0	1.0
S2FIMRC	11937	0.03	0.17	0.0	1.0
S3FIMRC	10806	0.01	0.08	0.0	1.0
S4FIMRC	12573	0.01	0.08	0.0	1.0
S5FIMRC	11320	0.01	0.08	0.0	1.0
S6FIMRC	10280	0.02	0.14	0.0	1.0
S7FIMRC	11769	0.01	0.10	0.0	1.0
S8FIMRC	10943	0.01	0.10	0.0	1.0
S9FIMRC	9989	0.01	0.09	0.0	1.0
S10FIMRC	12696	0.01	0.10	0.0	1.0
S11FIMRC	11834	0.01	0.10	0.0	1.0
S12FIMRC	10423	0.01	0.09	0.0	1.0
S13FIMRC	11253	0.01	0.10	0.0	1.0
R14IMRCP	15086	5.54	1.70	0.0	10.0
R15IMRCP	12975	5.49	1.85	0.0	10.0
R16IMRCP	13734	5.39	1.76	0.0	10.0
S14IMRCP	8073	5.69	1.66	0.0	10.0
S15IMRCP	6776	5.67	1.80	0.0	10.0
S16IMRCP	6650	5.52	1.72	0.0	10.0
R14IMRCW	1397	6.22	1.83	0.0	10.0
R15IMRCW	2027	6.23	1.86	0.0	10.0
R16IMRCW	1467	5.96	1.90	0.0	10.0
S14IMRCW	901	6.22	1.79	1.0	10.0
S15IMRCW	1282	6.23	1.89	1.0	10.0
S16IMRCW	870	5.93	1.84	0.0	10.0
R14FIMRCP	15086	0.01	0.08	0.0	1.0
R15FIMRCP	12975	0.01	0.09	0.0	1.0
R16FIMRCP	13734	0.01	0.09	0.0	1.0
S14FIMRCP	8073	0.00	0.07	0.0	1.0
S15FIMRCP	6776	0.01	0.09	0.0	1.0
S16FIMRCP	6650	0.01	0.08	0.0	1.0

R14FIMRCW	1397	0.02	0.12	0.0	1.0
R15FIMRCW	2027	0.02	0.13	0.0	1.0
R16FIMRCW	1467	0.02	0.13	0.0	1.0
S14FIMRCW	901	0.01	0.10	0.0	1.0
S15FIMRCW	1282	0.02	0.12	0.0	1.0
S16FIMRCW	870	0.02	0.14	0.0	1.0

Categorical Variable Codes

RwFIMRC: IMPFLAG: IMMEDIATE WORD RECALL

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD ovrlap	120									
.M=Oth missing										
.S=Proxy IW	398	789	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW	251	780	544	475	345	265	239	158	141	153
0.Not imputed	11622	17429	16210	19172	17312	15790	18065	16997	15919	20443
1.Imputed	261	644	141	169	204	339	262	212	158	209

Value	w11	w12	w13	w14	w15	w16
.C=HRS-AHD ovrlap						
.M=Oth missing	1					
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Not imputed	19166	17535	19762			
1.Imputed	241	163	209			

SwFIMRC: IMPFLAG: IMMEDIATE WORD RECALL

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD ovrlap	117									
.M=Oth missing										
.S=Proxy IW	380	684	771	1091	1158	1172	1017	661	549	687
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW	237	469	340	316	252	187	186	131	108	130
0.Not imputed	8995	11578	10734	12497	11244	10085	11638	10827	9916	12578
1.Imputed	171	359	72	76	76	195	131	116	73	118

Value	w11	w12	w13	w14	w15	w16
.C=HRS-AHD ovrlap						
.M=Oth missing	1					
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Not imputed	11704	10334	11149			
1.Imputed	130	89	104			

RwFIMRCP: FTF/TEL IMPFLAG: IMMEDIATE WORD RECALL

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				599	638	527
.W=Web Interview				1397	2027	1467
.X=NR or Proxy all IW				64	83	59
0.Not imputed				14986	12858	13630
1.Imputed				100	117	104

SwFIMRCP: FTF/TEL IMPFLAG: IMMEDIATE WORD RECALL

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.W=Web Interview				901	1282	870
.X=NR or Proxy all IW				58	78	49
0.Not imputed				8035	6718	6609
1.Imputed				38	58	41

RwFIMRCW: WEB IMPFLAG: IMMEDIATE WORD RECALL

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=FTF/Tel Interview										
.S=Proxy IW										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										

Value	w11	w12	w13	w14	w15	w16
.P=FTF/Tel Interview				15086	12975	13734
.S=Proxy IW				599	638	527
.X=NR or Proxy all IW				64	83	59
0.Not imputed				1375	1991	1440
1.Imputed				22	36	27

SwFIMRCW: WEB IMPFLAG: IMMEDIATE WORD RECALL

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=FTF/Tel Interview										
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										

Value	w11	w12	w13	w14	w15	w16
.P=FTF/Tel Interview				8073	6776	6650
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.X=NR or Proxy all IW				58	78	49
0.Not imputed				891	1262	852
1.Imputed				10	20	18

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are typically calculated only for the final release data. Note that for Waves 14 forward, some cognition measures collected via Web interviews differed in their implementation, measurement, or collection method. Due to these differences, these cognition variables are separated into two measures: one ending in [P] for Face-to-Face/Telephone interviews and one ending in [W] for Web interviews. For some variables, only the [P] for Face-to-Face/Telephone interviews measure is provided. Please review the HRS documentation linked below and the specific variable documentation, when applicable, in this documentation section.

Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2022) (Final Version V2.0) Data Description (HRS Staff, March 2026) on the HRS website for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

R1IMRC20, R2AIMR10, R2HIMR20, RwIMRC, RwIMRCP, and RwIMRCW provide measures for immediate word recall. They are counts of the number of words from a 10 or 20 word list that were recalled correctly.

In Waves 1 and 2H, the word list contained 20 nouns, which could be recalled in any order. In other waves, the list contained 10 words and Respondents were randomly assigned one of four lists, with a different assignment over four interviews and no overlap with the spouse. The variables R1IMRC20, R2HIMR20, and R2AIMR10 are named to indicate this difference in the measures for Waves 1 and 2.

In Waves 14 forward, these tests were conducted differently depending on if the Respondent had a Face-to-Face/Telephone interview or a Web interview. To account for these differences, RwIMRC is separated into two variables: RwIMRCP for Respondents who performed the cognition measures during a Face-to-Face/Telephone interview and RwIMRCW for Respondents who performed the cognition measures during a Web interview.

RwFIMRC, RwFIMRCP, and RwFIMRCW indicate whether the value was imputed (=1) or not (=0). RwFIMRC is similarly separated into RwFIMRCP and RwFIMRCW for Waves 14 forward.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done. In Waves 14 forward, RwIMRCP and RwFIMRCP are set to .W to indicate a Web interview and RwIMRCW and RwFIMRCW are set to .P to indicate a Face-to-Face/Telephone interview. In these cases, when RwIMRCP and RwFIMRCP are set to .W the the cognition values are in RwIMRCW and RwFIMRCW and when RwIMRCW and RwFIMRCW are set to .P the cognition values are in RwIMRCP and RwFIMRCP.

The Sw immediate word recall variables were taken from the respective Rw variables for the Wave "w" spouse.

Note that the variable names R2AIMR10 and R2HIMR20 have been shortened from R2AIMRC10 and R2HIMRC20 in the original HRS imputation file to conform to the current 8-character limit.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2H, the word list contained 20 nouns while in other waves 10 nouns were listed. Also in waves other than 1 and 2H, Respondents were randomly assigned one of four non-overlapping lists, with a different list assignment over four interviews. In couple households, each spouse was assigned a different list.

In Waves 14 forward, RwIMRC is separated into two variables: RwIMRCP for Respondents who performed the cognition measures during a Face-to-Face/Telephone interview and RwIMRCW for Respondents who performed the cognition measures during a Web interview. RwFIMRC is similarly separated into RwFIMRCP and RwFIMRCW for Waves 14 forward. See the General Comments and How Constructed sections above for more information.

Imputed Cognition: Delayed Word Recall

Wave	Variable	Label	Type
1	R1DLRC20	R1DLRC20: W1 DELAYED WORD RECALL	Cont
1	S1DLRC20	S1DLRC20: W1 DELAYED WORD RECALL	Cont
2	R2ADLR10	R2ADLR10:W2 DELAYED WORD RECALL-AHD93	Cont
2	S2ADLR10	S2ADLR10:W2 DELAYED WORD RECALL-AHD93	Cont
2	R2HDLR20	R2HDLR20:W2 DELAYED WORD RECALL-HRS94	Cont
2	S2HDLR20	S2HDLR20:W2 DELAYED WORD RECALL-HRS94	Cont
3	R3DLRC	R3DLRC:W3 DELAYED WORD RECALL	Cont
4	R4DLRC	R4DLRC:W4 DELAYED WORD RECALL	Cont
5	R5DLRC	R5DLRC:W5 DELAYED WORD RECALL	Cont
6	R6DLRC	R6DLRC:W6 DELAYED WORD RECALL	Cont
7	R7DLRC	R7DLRC:W7 DELAYED WORD RECALL	Cont
8	R8DLRC	R8DLRC:W8 DELAYED WORD RECALL	Cont
9	R9DLRC	R9DLRC:W9 DELAYED WORD RECALL	Cont
10	R10DLRC	R10DLRC:W10 DELAYED WORD RECALL	Cont
11	R11DLRC	R11DLRC:W11 DELAYED WORD RECALL	Cont
12	R12DLRC	R12DLRC:W12 DELAYED WORD RECALL	Cont
13	R13DLRC	R13DLRC:W13 DELAYED WORD RECALL	Cont
3	S3DLRC	S3DLRC:W3 DELAYED WORD RECALL	Cont
4	S4DLRC	S4DLRC:W4 DELAYED WORD RECALL	Cont
5	S5DLRC	S5DLRC:W5 DELAYED WORD RECALL	Cont
6	S6DLRC	S6DLRC:W6 DELAYED WORD RECALL	Cont
7	S7DLRC	S7DLRC:W7 DELAYED WORD RECALL	Cont
8	S8DLRC	S8DLRC:W8 DELAYED WORD RECALL	Cont
9	S9DLRC	S9DLRC:W9 DELAYED WORD RECALL	Cont
10	S10DLRC	S10DLRC:W10 DELAYED WORD RECALL	Cont
11	S11DLRC	S11DLRC:W11 DELAYED WORD RECALL	Cont
12	S12DLRC	S12DLRC:W12 DELAYED WORD RECALL	Cont
13	S13DLRC	S13DLRC:W13 DELAYED WORD RECALL	Cont
1	R1FDLRC	R1FDLRC:W1 IMPFLAG: DELAYED WORD RECALL	Categ
2	R2FDLRC	R2FDLRC:W2 IMPFLAG: DELAYED WORD RECALL	Categ
3	R3FDLRC	R3FDLRC:W3 IMPFLAG: DELAYED WORD RECALL	Categ
4	R4FDLRC	R4FDLRC:W4 IMPFLAG: DELAYED WORD RECALL	Categ
5	R5FDLRC	R5FDLRC:W5 IMPFLAG: DELAYED WORD RECALL	Categ
6	R6FDLRC	R6FDLRC:W6 IMPFLAG: DELAYED WORD RECALL	Categ
7	R7FDLRC	R7FDLRC:W7 IMPFLAG: DELAYED WORD RECALL	Categ
8	R8FDLRC	R8FDLRC:W8 IMPFLAG: DELAYED WORD RECALL	Categ
9	R9FDLRC	R9FDLRC:W9 IMPFLAG: DELAYED WORD RECALL	Categ
10	R10FDLRC	R10FDLRC:W10 IMPFLAG: DELAYED WORD RECALL	Categ
11	R11FDLRC	R11FDLRC:W11 IMPFLAG: DELAYED WORD RECALL	Categ
12	R12FDLRC	R12FDLRC:W12 IMPFLAG: DELAYED WORD RECALL	Categ
13	R13FDLRC	R13FDLRC:W13 IMPFLAG: DELAYED WORD RECALL	Categ
1	S1FDLRC	S1FDLRC:W1 IMPFLAG: DELAYED WORD RECALL	Categ
2	S2FDLRC	S2FDLRC:W2 IMPFLAG: DELAYED WORD RECALL	Categ
3	S3FDLRC	S3FDLRC:W3 IMPFLAG: DELAYED WORD RECALL	Categ
4	S4FDLRC	S4FDLRC:W4 IMPFLAG: DELAYED WORD RECALL	Categ
5	S5FDLRC	S5FDLRC:W5 IMPFLAG: DELAYED WORD RECALL	Categ
6	S6FDLRC	S6FDLRC:W6 IMPFLAG: DELAYED WORD RECALL	Categ
7	S7FDLRC	S7FDLRC:W7 IMPFLAG: DELAYED WORD RECALL	Categ
8	S8FDLRC	S8FDLRC:W8 IMPFLAG: DELAYED WORD RECALL	Categ
9	S9FDLRC	S9FDLRC:W9 IMPFLAG: DELAYED WORD RECALL	Categ
10	S10FDLRC	S10FDLRC:W10 IMPFLAG: DELAYED WORD RECALL	Categ
11	S11FDLRC	S11FDLRC:W11 IMPFLAG: DELAYED WORD RECALL	Categ
12	S12FDLRC	S12FDLRC:W12 IMPFLAG: DELAYED WORD RECALL	Categ
13	S13FDLRC	S13FDLRC:W13 IMPFLAG: DELAYED WORD RECALL	Categ
14	R14DLRCP	R14DLRCP:W14 FTF/TEL DELAYED WORD RECALL	Cont
15	R15DLRCP	R15DLRCP:W15 FTF/TEL DELAYED WORD RECALL	Cont

16	R16DLRCP	R16DLRCP:W16 FTF/TEL DELAYED WORD RECALL	Cont
14	S14DLRCP	S14DLRCP:W14 FTF/TEL DELAYED WORD RECALL	Cont
15	S15DLRCP	S15DLRCP:W15 FTF/TEL DELAYED WORD RECALL	Cont
16	S16DLRCP	S16DLRCP:W16 FTF/TEL DELAYED WORD RECALL	Cont
14	R14FDLRCP	R14FDLRCP:W14 FTF/TEL IMPFLAG: DELAYED WORD RECALL	Categ
15	R15FDLRCP	R15FDLRCP:W15 FTF/TEL IMPFLAG: DELAYED WORD RECALL	Categ
16	R16FDLRCP	R16FDLRCP:W16 FTF/TEL IMPFLAG: DELAYED WORD RECALL	Categ
14	S14FDLRCP	S14FDLRCP:W14 FTF/TEL IMPFLAG: DELAYED WORD RECALL	Categ
15	S15FDLRCP	S15FDLRCP:W15 FTF/TEL IMPFLAG: DELAYED WORD RECALL	Categ
16	S16FDLRCP	S16FDLRCP:W16 FTF/TEL IMPFLAG: DELAYED WORD RECALL	Categ
14	R14DLRCW	R14DLRCW:W14 WEB DELAYED WORD RECALL	Cont
15	R15DLRCW	R15DLRCW:W15 WEB DELAYED WORD RECALL	Cont
16	R16DLRCW	R16DLRCW:W16 WEB DELAYED WORD RECALL	Cont
14	S14DLRCW	S14DLRCW:W14 WEB DELAYED WORD RECALL	Cont
15	S15DLRCW	S15DLRCW:W15 WEB DELAYED WORD RECALL	Cont
16	S16DLRCW	S16DLRCW:W16 WEB DELAYED WORD RECALL	Cont
14	R14FDLRCW	R14FDLRCW:W14 WEB IMPFLAG: DELAYED WORD RECALL	Categ
15	R15FDLRCW	R15FDLRCW:W15 WEB IMPFLAG: DELAYED WORD RECALL	Categ
16	R16FDLRCW	R16FDLRCW:W16 WEB IMPFLAG: DELAYED WORD RECALL	Categ
14	S14FDLRCW	S14FDLRCW:W14 WEB IMPFLAG: DELAYED WORD RECALL	Categ
15	S15FDLRCW	S15FDLRCW:W15 WEB IMPFLAG: DELAYED WORD RECALL	Categ
16	S16FDLRCW	S16FDLRCW:W16 WEB IMPFLAG: DELAYED WORD RECALL	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DLRC20	11883	5.40	2.91	0.0	20.0
S1DLRC20	9166	5.56	2.89	0.0	20.0
R2ADLR10	7382	3.16	2.24	0.0	10.0
S2ADLR10	3866	3.49	2.19	0.0	10.0
R2HDLR20	10691	6.03	3.35	0.0	20.0
S2HDLR20	8071	6.14	3.31	0.0	20.0
R3DLRC	16351	4.40	2.27	0.0	10.0
R4DLRC	19341	4.55	2.25	0.0	10.0
R5DLRC	17516	4.41	2.17	0.0	10.0
R6DLRC	16129	4.50	2.11	0.0	10.0
R7DLRC	18327	4.35	2.03	0.0	10.0
R8DLRC	17209	4.33	2.08	0.0	10.0
R9DLRC	16077	4.32	2.05	0.0	10.0
R10DLRC	20652	4.29	1.97	0.0	10.0
R11DLRC	19407	4.27	2.00	0.0	10.0
R12DLRC	17698	4.31	2.03	0.0	10.0
R13DLRC	19971	4.31	1.98	0.0	10.0
S3DLRC	10806	4.63	2.19	0.0	10.0
S4DLRC	12573	4.77	2.16	0.0	10.0
S5DLRC	11320	4.63	2.09	0.0	10.0
S6DLRC	10280	4.70	2.03	0.0	10.0

S7DLRC	11769	4.55	1.95	0.0	10.0
S8DLRC	10943	4.55	1.99	0.0	10.0
S9DLRC	9989	4.50	1.98	0.0	10.0
S10DLRC	12696	4.46	1.91	0.0	10.0
S11DLRC	11834	4.47	1.95	0.0	10.0
S12DLRC	10423	4.53	1.97	0.0	10.0
S13DLRC	11253	4.51	1.91	0.0	10.0
R1FDLRC	11883	0.03	0.17	0.0	1.0
R2FDLRC	18073	0.05	0.22	0.0	1.0
R3FDLRC	16351	0.02	0.13	0.0	1.0
R4FDLRC	19341	0.02	0.13	0.0	1.0
R5FDLRC	17516	0.02	0.14	0.0	1.0
R6FDLRC	16129	0.04	0.20	0.0	1.0
R7FDLRC	18327	0.02	0.15	0.0	1.0
R8FDLRC	17209	0.02	0.15	0.0	1.0
R9FDLRC	16077	0.02	0.13	0.0	1.0
R10FDLRC	20652	0.03	0.16	0.0	1.0
R11FDLRC	19407	0.03	0.17	0.0	1.0
R12FDLRC	17698	0.03	0.16	0.0	1.0
R13FDLRC	19971	0.03	0.17	0.0	1.0
S1FDLRC	9166	0.03	0.16	0.0	1.0
S2FDLRC	11937	0.04	0.20	0.0	1.0
S3FDLRC	10806	0.01	0.11	0.0	1.0
S4FDLRC	12573	0.01	0.11	0.0	1.0
S5FDLRC	11320	0.01	0.11	0.0	1.0
S6FDLRC	10280	0.03	0.18	0.0	1.0
S7FDLRC	11769	0.02	0.13	0.0	1.0
S8FDLRC	10943	0.02	0.13	0.0	1.0
S9FDLRC	9989	0.01	0.11	0.0	1.0
S10FDLRC	12696	0.02	0.14	0.0	1.0
S11FDLRC	11834	0.02	0.15	0.0	1.0
S12FDLRC	10423	0.02	0.14	0.0	1.0
S13FDLRC	11253	0.02	0.14	0.0	1.0
R14DLRCP	15086	4.47	2.06	0.0	10.0
R15DLRCP	12975	4.50	2.18	0.0	10.0
R16DLRCP	13734	4.30	2.09	0.0	10.0
S14DLRCP	8073	4.66	1.99	0.0	10.0
S15DLRCP	6776	4.71	2.11	0.0	10.0
S16DLRCP	6650	4.49	2.03	0.0	10.0
R14FDLRCP	15086	0.01	0.11	0.0	1.0
R15FDLRCP	12975	0.02	0.13	0.0	1.0
R16FDLRCP	13734	0.01	0.11	0.0	1.0
S14FDLRCP	8073	0.01	0.09	0.0	1.0
S15FDLRCP	6776	0.01	0.12	0.0	1.0
S16FDLRCP	6650	0.01	0.10	0.0	1.0
R14DLRCW	1397	5.33	2.05	0.0	10.0
R15DLRCW	2027	5.32	2.13	0.0	10.0
R16DLRCW	1467	5.13	1.99	0.0	10.0
S14DLRCW	901	5.36	2.03	0.0	10.0
S15DLRCW	1282	5.29	2.12	0.0	10.0
S16DLRCW	870	5.06	1.98	0.0	10.0

R14FDLRCW	1397	0.05	0.21	0.0	1.0
R15FDLRCW	2027	0.04	0.21	0.0	1.0
R16FDLRCW	1467	0.05	0.22	0.0	1.0
S14FDLRCW	901	0.04	0.20	0.0	1.0
S15FDLRCW	1282	0.04	0.20	0.0	1.0
S16FDLRCW	870	0.06	0.23	0.0	1.0

Categorical Variable Codes

RwFDLRC: IMPFLAG: DELAYED WORD RECALL

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD ovrlap	120									
.M=Oth missing										
.S=Proxy IW	398	789	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW	251	780	544	475	345	265	239	158	141	153
0.Not imputed	11535	17174	16053	19001	17187	15483	17907	16838	15793	20107
1.Imputed	348	899	298	340	329	646	420	371	284	545

Value	w11	w12	w13	w14	w15	w16
.C=HRS-AHD ovrlap						
.M=Oth missing	1					
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Not imputed	18807	17227	19400			
1.Imputed	600	471	571			

SwFDLRC: IMPFLAG: DELAYED WORD RECALL

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD ovrlap	117									
.M=Oth missing										
.S=Proxy IW	380	684	771	1091	1158	1172	1017	661	549	687
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW	237	469	340	316	252	187	186	131	108	130
0.Not imputed	8933	11438	10662	12423	11184	9925	11564	10751	9861	12426
1.Imputed	233	499	144	150	136	355	205	192	128	270

Value	w11	w12	w13	w14	w15	w16
.C=HRS-AHD ovrlap						
.M=Oth missing	1					
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Not imputed	11549	10215	11022			
1.Imputed	285	208	231			

RwFDLRCP: FTF/TEL IMPFLAG: DELAYED WORD RECALL

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				599	638	527
.W=Web Interview				1397	2027	1467
.X=NR or Proxy all IW				64	83	59
0.Not imputed				14911	12768	13555
1.Imputed				175	207	179

SwFDLRCP: FTF/TEL IMPFLAG: DELAYED WORD RECALL

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.W=Web Interview				901	1282	870
.X=NR or Proxy all IW				58	78	49
0.Not imputed				8012	6681	6581
1.Imputed				61	95	69

RwFDLRCW: WEB IMPFLAG: DELAYED WORD RECALL

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=FTF/Tel Interview										
.S=Proxy IW										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										

Value	w11	w12	w13	w14	w15	w16
.P=FTF/Tel Interview				15086	12975	13734
.S=Proxy IW				599	638	527
.X=NR or Proxy all IW				64	83	59
0.Not imputed				1331	1936	1390
1.Imputed				66	91	77

SwFDLRCW: WEB IMPFLAG: DELAYED WORD RECALL

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=FTF/Tel Interview										
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										

Value	w11	w12	w13	w14	w15	w16
.P=FTF/Tel Interview				8073	6776	6650
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.X=NR or Proxy all IW				58	78	49
0.Not imputed				863	1230	821
1.Imputed				38	52	49

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are typically calculated only for the final release data. Note that for Waves 14 forward, some cognition measures collected via Web interviews differed in their implementation, measurement, or collection method. Due to these differences, these cognition variables are separated into two measures: one ending in [P] for Face-to-Face/Telephone interviews and one ending in [W] for Web interviews. For some variables, only the [P] for Face-to-Face/Telephone interviews measure is provided. Please review the HRS documentation linked below and the specific variable documentation, when applicable, in this documentation section.

Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2022) (Final Version V2.0) Data Description (HRS Staff, March 2026) on the HRS website for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

R1DLRC20, R2ADLR10, R2HDLR20, RwDLRC, RwDLRCP, and RwDLRCW provide measures for delayed word recall. They are counts of the number of words from the 10 or 20 word immediate recall list that were recalled correctly after a delay of about 5 minutes spent answering other survey questions.

In Waves 1 and 2H, the word list contained 20 nouns, which could be recalled in any order. In other waves, the list contained 10 words and Respondents were randomly assigned one of four lists, with a different assignment over four interviews and no overlap with the spouse. The variables R1DLRC20, R2HDLR20, and R2ADLR10 are named to indicate this difference in the measures for Waves 1 and 2.

In Waves 14 forward, these tests were conducted differently depending on if the Respondent had a Face-to-Face/Telephone interview or a Web interview. To account for these differences, RwDLRC is separated into two variables: RwDLRCP for Respondents who performed the cognition measures during a Face-to-Face/Telephone interview and RwDLRCW for Respondents who performed the cognition measures during a Web interview.

RwFDLRC, RwFDLRCP, and RwFDLRCW indicate whether the value was imputed (=1) or not (=0). RwFDLRC is similarly separated into RwFDLRCP and RwFDLRCW for Waves 14 forward.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done. In Waves 14 forward, RwDLRCP and RwFDLRCP are set to .W to indicate a Web interview and RwDLRCW and RwFDLRCW are set to .P to indicate a Face-to-Face/Telephone interview. In these cases, when RwDLRCP and RwFDLRCP are set to .W the the cognition values are in RwDLRCW and RwFDLRCW and when RwDLRCW and RwFDLRCW are set to .P the cognition values are in RwDLRCP and RwFDLRCP.

The Sw delayed word recall variables were taken from the respective Rw variables for the Wave "w" spouse.

Note that the variable names R2ADLR10 and R2HDLR20 have been shortened from R2ADLRC10 and R2HDLRC20 in the original HRS imputation file to conform to the current 8-character limit.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2H, the word list contained 20 nouns while in other waves 10 nouns were listed. Also in waves other than 1 and 2H, Respondents were randomly assigned one of four non-overlapping lists, with a different list assignment over four interviews. In couple households, each spouse was assigned a different list.

In Waves 14 forward, RwDLRC is separated into two variables: RwDLRCP for Respondents who performed the cognition measures during a Face-to-Face/Telephone interview and RwDLRCW for Respondents who performed the cognition measures during a Web interview. RwFDLRC is similarly separated into RwFDLRCP and RwFDLRCW for Waves 14 forward. See the General Comments and How Constructed sections above for more information.

The questions asked during the five minute period between immediate and delayed word recall tasks varied across waves. Please see the HRS documentation (linked in the General Comments section above) for a more complete description of the differences.

Imputed Cognition: Serial 7's

Wave	Variable	Label	Type
2	R2SER7	R2SER7: W2 SERIAL 7S	Cont
3	R3SER7	R3SER7: W3 SERIAL 7S	Cont
4	R4SER7	R4SER7: W4 SERIAL 7S	Cont
5	R5SER7	R5SER7: W5 SERIAL 7S	Cont
6	R6SER7	R6SER7: W6 SERIAL 7S	Cont
7	R7SER7	R7SER7: W7 SERIAL 7S	Cont
8	R8SER7	R8SER7: W8 SERIAL 7S	Cont
9	R9SER7	R9SER7: W9 SERIAL 7S	Cont
10	R10SER7	R10SER7: W10 SERIAL 7S	Cont
11	R11SER7	R11SER7: W11 SERIAL 7S	Cont
12	R12SER7	R12SER7: W12 SERIAL 7S	Cont
13	R13SER7	R13SER7: W13 SERIAL 7S	Cont
2	S2SER7	S2SER7: W2 SERIAL 7S	Cont
3	S3SER7	S3SER7: W3 SERIAL 7S	Cont
4	S4SER7	S4SER7: W4 SERIAL 7S	Cont
5	S5SER7	S5SER7: W5 SERIAL 7S	Cont
6	S6SER7	S6SER7: W6 SERIAL 7S	Cont
7	S7SER7	S7SER7: W7 SERIAL 7S	Cont
8	S8SER7	S8SER7: W8 SERIAL 7S	Cont
9	S9SER7	S9SER7: W9 SERIAL 7S	Cont
10	S10SER7	S10SER7: W10 SERIAL 7S	Cont
11	S11SER7	S11SER7: W11 SERIAL 7S	Cont
12	S12SER7	S12SER7: W12 SERIAL 7S	Cont
13	S13SER7	S13SER7: W13 SERIAL 7S	Cont
2	R2FSER7	R2FSER7:W2 IMPFLAG: SERIAL 7s	Categ
3	R3FSER7	R3FSER7:W3 IMPFLAG: SERIAL 7s	Categ
4	R4FSER7	R4FSER7:W4 IMPFLAG: SERIAL 7s	Categ
5	R5FSER7	R5FSER7:W5 IMPFLAG: SERIAL 7s	Categ
6	R6FSER7	R6FSER7:W6 IMPFLAG: SERIAL 7s	Categ
7	R7FSER7	R7FSER7:W7 IMPFLAG: SERIAL 7s	Categ
8	R8FSER7	R8FSER7:W8 IMPFLAG: SERIAL 7s	Categ
9	R9FSER7	R9FSER7:W9 IMPFLAG: SERIAL 7s	Categ
10	R10FSER7	R10FSER7:W10 IMPFLAG: SERIAL 7s	Categ
11	R11FSER7	R11FSER7:W11 IMPFLAG: SERIAL 7s	Categ
12	R12FSER7	R12FSER7:W12 IMPFLAG: SERIAL 7s	Categ
13	R13FSER7	R13FSER7:W13 IMPFLAG: SERIAL 7s	Categ
2	S2FSER7	S2FSER7:W2 IMPFLAG: SERIAL 7s	Categ
3	S3FSER7	S3FSER7:W3 IMPFLAG: SERIAL 7s	Categ
4	S4FSER7	S4FSER7:W4 IMPFLAG: SERIAL 7s	Categ
5	S5FSER7	S5FSER7:W5 IMPFLAG: SERIAL 7s	Categ
6	S6FSER7	S6FSER7:W6 IMPFLAG: SERIAL 7s	Categ
7	S7FSER7	S7FSER7:W7 IMPFLAG: SERIAL 7s	Categ
8	S8FSER7	S8FSER7:W8 IMPFLAG: SERIAL 7s	Categ
9	S9FSER7	S9FSER7:W9 IMPFLAG: SERIAL 7s	Categ
10	S10FSER7	S10FSER7:W10 IMPFLAG: SERIAL 7s	Categ
11	S11FSER7	S11FSER7:W11 IMPFLAG: SERIAL 7s	Categ
12	S12FSER7	S12FSER7:W12 IMPFLAG: SERIAL 7s	Categ
13	S13FSER7	S13FSER7:W13 IMPFLAG: SERIAL 7s	Categ
14	R14SER7P	R14SER7P: W14 FTF/TEL SERIAL 7S	Cont
15	R15SER7P	R15SER7P: W15 FTF/TEL SERIAL 7S	Cont
16	R16SER7P	R16SER7P: W16 FTF/TEL SERIAL 7S	Cont
14	S14SER7P	S14SER7P: W14 FTF/TEL SERIAL 7S	Cont
15	S15SER7P	S15SER7P: W15 FTF/TEL SERIAL 7S	Cont
16	S16SER7P	S16SER7P: W16 FTF/TEL SERIAL 7S	Cont
14	R14FSER7P	R14FSER7P:W14 FTF/TEL IMPFLAG: SERIAL 7s	Categ
15	R15FSER7P	R15FSER7P:W15 FTF/TEL IMPFLAG: SERIAL 7s	Categ
16	R16FSER7P	R16FSER7P:W16 FTF/TEL IMPFLAG: SERIAL 7s	Categ
14	S14FSER7P	S14FSER7P:W14 FTF/TEL IMPFLAG: SERIAL 7s	Categ
15	S15FSER7P	S15FSER7P:W15 FTF/TEL IMPFLAG: SERIAL 7s	Categ

16	S16FSER7P	S16FSER7P:W16 FTF/TEL IMPFLAG: SERIAL 7s	Categ
14	R14SER7W	R14SER7W: W14 WEB SERIAL 7S	Cont
15	R15SER7W	R15SER7W: W15 WEB SERIAL 7S	Cont
16	R16SER7W	R16SER7W: W16 WEB SERIAL 7S	Cont
14	S14SER7W	S14SER7W: W14 WEB SERIAL 7S	Cont
15	S15SER7W	S15SER7W: W15 WEB SERIAL 7S	Cont
16	S16SER7W	S16SER7W: W16 WEB SERIAL 7S	Cont
14	R14FSER7W	R14FSER7W:W14 WEB IMPFLAG: SERIAL 7s	Categ
15	R15FSER7W	R15FSER7W:W15 WEB IMPFLAG: SERIAL 7s	Categ
16	R16FSER7W	R16FSER7W:W16 WEB IMPFLAG: SERIAL 7s	Categ
14	S14FSER7W	S14FSER7W:W14 WEB IMPFLAG: SERIAL 7s	Categ
15	S15FSER7W	S15FSER7W:W15 WEB IMPFLAG: SERIAL 7s	Categ
16	S16FSER7W	S16FSER7W:W16 WEB IMPFLAG: SERIAL 7s	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2SER7	7382	3.19	1.71	0.0	5.0
R3SER7	16351	3.43	1.70	0.0	5.0
R4SER7	19341	3.47	1.70	0.0	5.0
R5SER7	17516	3.47	1.71	0.0	5.0
R6SER7	16129	3.49	1.73	0.0	5.0
R7SER7	18327	3.53	1.67	0.0	5.0
R8SER7	17209	3.51	1.71	0.0	5.0
R9SER7	16077	3.48	1.70	0.0	5.0
R10SER7	20652	3.40	1.68	0.0	5.0
R11SER7	19407	3.36	1.71	0.0	5.0
R12SER7	17698	3.42	1.69	0.0	5.0
R13SER7	19971	3.44	1.68	0.0	5.0
S2SER7	3866	3.42	1.63	0.0	5.0
S3SER7	10806	3.61	1.61	0.0	5.0
S4SER7	12573	3.67	1.60	0.0	5.0
S5SER7	11320	3.65	1.62	0.0	5.0
S6SER7	10280	3.68	1.63	0.0	5.0
S7SER7	11769	3.70	1.58	0.0	5.0
S8SER7	10943	3.70	1.61	0.0	5.0
S9SER7	9989	3.67	1.60	0.0	5.0
S10SER7	12696	3.58	1.60	0.0	5.0
S11SER7	11834	3.55	1.62	0.0	5.0
S12SER7	10423	3.63	1.60	0.0	5.0
S13SER7	11253	3.62	1.60	0.0	5.0
R2FSER7	7382	0.11	0.32	0.0	1.0
R3FSER7	16351	0.04	0.20	0.0	1.0
R4FSER7	19341	0.03	0.18	0.0	1.0
R5FSER7	17516	0.04	0.19	0.0	1.0
R6FSER7	16129	0.03	0.18	0.0	1.0
R7FSER7	18327	0.03	0.18	0.0	1.0
R8FSER7	17209	0.03	0.16	0.0	1.0
R9FSER7	16077	0.03	0.16	0.0	1.0
R10FSER7	20652	0.02	0.13	0.0	1.0
R11FSER7	19407	0.02	0.14	0.0	1.0
R12FSER7	17698	0.02	0.12	0.0	1.0
R13FSER7	19971	0.02	0.13	0.0	1.0

S2FSER7	3866	0.08	0.28	0.0	1.0
S3FSER7	10806	0.03	0.17	0.0	1.0
S4FSER7	12573	0.02	0.15	0.0	1.0
S5FSER7	11320	0.02	0.15	0.0	1.0
S6FSER7	10280	0.03	0.16	0.0	1.0
S7FSER7	11769	0.03	0.16	0.0	1.0
S8FSER7	10943	0.02	0.14	0.0	1.0
S9FSER7	9989	0.02	0.14	0.0	1.0
S10FSER7	12696	0.01	0.12	0.0	1.0
S11FSER7	11834	0.02	0.13	0.0	1.0
S12FSER7	10423	0.01	0.11	0.0	1.0
S13FSER7	11253	0.01	0.11	0.0	1.0
R14SER7P	15086	3.39	1.70	0.0	5.0
R15SER7P	12975	3.44	1.67	0.0	5.0
R16SER7P	13734	3.38	1.70	0.0	5.0
S14SER7P	8073	3.58	1.63	0.0	5.0
S15SER7P	6776	3.65	1.59	0.0	5.0
S16SER7P	6650	3.60	1.61	0.0	5.0
R14FSER7P	15086	0.02	0.13	0.0	1.0
R15FSER7P	12975	0.02	0.14	0.0	1.0
R16FSER7P	13734	0.02	0.13	0.0	1.0
S14FSER7P	8073	0.01	0.12	0.0	1.0
S15FSER7P	6776	0.02	0.12	0.0	1.0
S16FSER7P	6650	0.01	0.12	0.0	1.0
R14SER7W	1397	4.46	0.98	0.0	5.0
R15SER7W	2027	4.42	1.02	0.0	5.0
R16SER7W	1467	4.39	1.03	0.0	5.0
S14SER7W	901	4.47	0.95	0.0	5.0
S15SER7W	1282	4.46	0.99	0.0	5.0
S16SER7W	870	4.43	1.00	0.0	5.0
R14FSER7W	1397	0.01	0.08	0.0	1.0
R15FSER7W	2027	0.01	0.07	0.0	1.0
R16FSER7W	1467	0.01	0.09	0.0	1.0
S14FSER7W	901	0.01	0.07	0.0	1.0
S15FSER7W	1282	0.01	0.08	0.0	1.0
S16FSER7W	870	0.01	0.09	0.0	1.0

Categorical Variable Codes

RwFSER7: IMPFLAG: SERIAL 7s

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW		628	544	475	345	265	239	158	141	153
0.Not imputed		6548	15644	18675	16859	15592	17695	16778	15654	20304
1.Imputed		834	707	666	657	537	632	431	423	348

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Not imputed	19012	17425	19647			
1.Imputed	395	273	324			

SwFSER7: IMPFLAG: SERIAL 7s

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	771	1091	1158	1172	1017	661	549	687
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW		326	340	316	252	187	186	131	108	130
0.Not imputed		3541	10472	12270	11042	10022	11459	10718	9775	12515
1.Imputed		325	334	303	278	258	310	225	214	181

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Not imputed	11634	10289	11106			
1.Imputed	200	134	147			

RwFSER7P: FTF/TEL IMPFLAG: SERIAL 7s

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				599	638	527
.W=Web Interview				1397	2027	1467
.X=NR or Proxy all IW				64	83	59
0.Not imputed				14834	12725	13482
1.Imputed				252	250	252

SwFSER7P: FTF/TEL IMPFLAG: SERIAL 7s

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.W=Web Interview				901	1282	870
.X=NR or Proxy all IW				58	78	49
0.Not imputed				7964	6674	6553
1.Imputed				109	102	97

RwFSER7W: WEB IMPFLAG: SERIAL 7s

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=FTF/Tel Interview										
.S=Proxy IW										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										

Value	w11	w12	w13	w14	w15	w16
.P=FTF/Tel Interview				15086	12975	13734
.S=Proxy IW				599	638	527
.X=NR or Proxy all IW				64	83	59
0.Not imputed				1387	2016	1454
1.Imputed				10	11	13

SwFSER7W: WEB IMPFLAG: SERIAL 7s

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=FTF/Tel Interview										
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										

Value	w11	w12	w13	w14	w15	w16
.P=FTF/Tel Interview				8073	6776	6650
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.X=NR or Proxy all IW				58	78	49
0.Not imputed				896	1274	863
1.Imputed				5	8	7

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are typically calculated only for the final release data. Note that for Waves 14 forward, some cognition measures collected via Web interviews differed in their implementation, measurement, or collection method. Due to these differences, these cognition variables are separated into two measures: one ending in [P] for Face-to-Face/Telephone interviews and one ending in [W] for Web interviews. For some variables, only the [P] for Face-to-Face/Telephone interviews measure is provided. Please review the HRS documentation linked below and the specific variable documentation, when applicable, in this documentation section.

Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2022) (Final Version V2.0) Data Description (HRS Staff, March 2026) on the HRS website for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

RwSER7, RwSER7P, and RwSER7W provide the number of correct subtractions in the serial 7s test. This test asks the individual to subtract 7 from the prior number, beginning with 100 for five trials. Correct subtractions are based on the prior number given, so that even if one subtraction is incorrect subsequent trials are evaluated on the given (perhaps wrong) answer. Valid scores are 0-5.

In Waves 14 forward, these tests were conducted differently depending on if the Respondent had a Face-to-Face/Telephone interview or a Web interview. To account for these differences, RwSER7 is separated into two variables: RwSER7P for Respondents who performed the cognition measures during a Face-to-Face/Telephone interview and RwSER7W for Respondents who performed the cognition measures during a Web interview.

RwFSER7, RwFSER7P, and RwFSER7W indicate whether the value was imputed (=1) or not (=0). RwFSER7 is similarly separated into RwFSER7P and RwFSER7W for Waves 14 forward.

This task was not given to anyone in Waves 1 and 2H. In Wave 2H, R2SER7 and R2FSER7 are set to special missing .Q to indicate that it is missing for all HRS Respondents.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done. In Waves 14 forward, RwSER7P and RwFSER7P are set to .W to indicate a Web interview and RwSER7W and RwFSER7W are set to .P to indicate a Face-to-Face/Telephone interview. In these cases, when RwSER7P and RwFSER7P are set to .W the the cognition values are in RwSER7W and RwFSER7W and when RwSER7W and RwFSER7W are set to .P the cognition values are in RwSER7P and RwFSER7P.

The Sw serial 7s test variables were taken from the respective Rw variables for the Wave "w" spouse.

Cross Wave Differences in Original HRS Data

This question was not asked in Waves 1 and 2H.

In Waves 14 forward, RwSER7 is separated into two variables: RwSER7P for Respondents who performed the cognition measures during a Face-to-Face/Telephone interview and RwSER7W for Respondents who performed the cognition measures during a Web interview. RwFSER7 is similarly separated into RwFSER7P and RwFSER7W for Waves 14 forward. See the General Comments and How Constructed sections above for more information.

Imputed Cognition: Backwards Counting

Wave	Variable	Label	Type
2	R2BWC20	R2BWC20:W2 BACKWARDS COUNT FROM 20	Categ
3	R3BWC20	R3BWC20:W3 BACKWARDS COUNT FROM 20	Categ
4	R4BWC20	R4BWC20:W4 BACKWARDS COUNT FROM 20	Categ
5	R5BWC20	R5BWC20:W5 BACKWARDS COUNT FROM 20	Categ
6	R6BWC20	R6BWC20:W6 BACKWARDS COUNT FROM 20	Categ
7	R7BWC20	R7BWC20:W7 BACKWARDS COUNT FROM 20	Categ
8	R8BWC20	R8BWC20:W8 BACKWARDS COUNT FROM 20	Categ
9	R9BWC20	R9BWC20:W9 BACKWARDS COUNT FROM 20	Categ
10	R10BWC20	R10BWC20:W10 BACKWARDS COUNT FROM 20	Categ
11	R11BWC20	R11BWC20:W11 BACKWARDS COUNT FROM 20	Categ
12	R12BWC20	R12BWC20:W12 BACKWARDS COUNT FROM 20	Categ
13	R13BWC20	R13BWC20:W13 BACKWARDS COUNT FROM 20	Categ
2	S2BWC20	S2BWC20:W2 BACKWARDS COUNT FROM 20	Categ
3	S3BWC20	S3BWC20:W3 BACKWARDS COUNT FROM 20	Categ
4	S4BWC20	S4BWC20:W4 BACKWARDS COUNT FROM 20	Categ
5	S5BWC20	S5BWC20:W5 BACKWARDS COUNT FROM 20	Categ
6	S6BWC20	S6BWC20:W6 BACKWARDS COUNT FROM 20	Categ
7	S7BWC20	S7BWC20:W7 BACKWARDS COUNT FROM 20	Categ
8	S8BWC20	S8BWC20:W8 BACKWARDS COUNT FROM 20	Categ
9	S9BWC20	S9BWC20:W9 BACKWARDS COUNT FROM 20	Categ
10	S10BWC20	S10BWC20:W10 BACKWARDS COUNT FROM 20	Categ
11	S11BWC20	S11BWC20:W11 BACKWARDS COUNT FROM 20	Categ
12	S12BWC20	S12BWC20:W12 BACKWARDS COUNT FROM 20	Categ
13	S13BWC20	S13BWC20:W13 BACKWARDS COUNT FROM 20	Categ
2	R2FBWC20	R2FBWC20:W2 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
3	R3FBWC20	R3FBWC20:W3 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
4	R4FBWC20	R4FBWC20:W4 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
5	R5FBWC20	R5FBWC20:W5 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
6	R6FBWC20	R6FBWC20:W6 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
7	R7FBWC20	R7FBWC20:W7 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
8	R8FBWC20	R8FBWC20:W8 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
9	R9FBWC20	R9FBWC20:W9 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
10	R10FBWC20	R10FBWC20:W10 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
11	R11FBWC20	R11FBWC20:W11 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
12	R12FBWC20	R12FBWC20:W12 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
13	R13FBWC20	R13FBWC20:W13 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
2	S2FBWC20	S2FBWC20:W2 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
3	S3FBWC20	S3FBWC20:W3 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
4	S4FBWC20	S4FBWC20:W4 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
5	S5FBWC20	S5FBWC20:W5 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
6	S6FBWC20	S6FBWC20:W6 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
7	S7FBWC20	S7FBWC20:W7 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
8	S8FBWC20	S8FBWC20:W8 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
9	S9FBWC20	S9FBWC20:W9 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
10	S10FBWC20	S10FBWC20:W10 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
11	S11FBWC20	S11FBWC20:W11 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
12	S12FBWC20	S12FBWC20:W12 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
13	S13FBWC20	S13FBWC20:W13 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
3	R3BWC86	R3BWC86: W3 BACKWARDS COUNT FROM 86	Categ
4	R4BWC86	R4BWC86: W4 BACKWARDS COUNT FROM 86	Categ
5	R5BWC86	R5BWC86: W5 BACKWARDS COUNT FROM 86	Categ
6	R6BWC86	R6BWC86: W6 BACKWARDS COUNT FROM 86	Categ
3	S3BWC86	S3BWC86: W3 BACKWARDS COUNT FROM 86	Categ
4	S4BWC86	S4BWC86: W4 BACKWARDS COUNT FROM 86	Categ
5	S5BWC86	S5BWC86: W5 BACKWARDS COUNT FROM 86	Categ
6	S6BWC86	S6BWC86: W6 BACKWARDS COUNT FROM 86	Categ
3	R3FBWC86	R3FBWC86: W3 IMPFLAG: BACKWARDS COUNT FROM 86	Categ
4	R4FBWC86	R4FBWC86: W4 IMPFLAG: BACKWARDS COUNT FROM 86	Categ
5	R5FBWC86	R5FBWC86: W5 IMPFLAG: BACKWARDS COUNT FROM 86	Categ
6	R6FBWC86	R6FBWC86: W6 IMPFLAG: BACKWARDS COUNT FROM 86	Categ

3	S3FBWC86	S3FBWC86: W3 IMPFLAG: BACKWARDS COUNT FROM 86	Categ
4	S4FBWC86	S4FBWC86: W4 IMPFLAG: BACKWARDS COUNT FROM 86	Categ
5	S5FBWC86	S5FBWC86: W5 IMPFLAG: BACKWARDS COUNT FROM 86	Categ
6	S6FBWC86	S6FBWC86: W6 IMPFLAG: BACKWARDS COUNT FROM 86	Categ
14	R14BWC20P	R14BWC20P:W14 FTF/TEL BACKWARDS COUNT FROM 20	Categ
15	R15BWC20P	R15BWC20P:W15 FTF/TEL BACKWARDS COUNT FROM 20	Categ
16	R16BWC20P	R16BWC20P:W16 FTF/TEL BACKWARDS COUNT FROM 20	Categ
14	S14BWC20P	S14BWC20P:W14 FTF/TEL BACKWARDS COUNT FROM 20	Categ
15	S15BWC20P	S15BWC20P:W15 FTF/TEL BACKWARDS COUNT FROM 20	Categ
16	S16BWC20P	S16BWC20P:W16 FTF/TEL BACKWARDS COUNT FROM 20	Categ
14	R14FBWC20P	R14FBWC20P:W14 FTF/TEL IMPFLAG: BACKWARDS COUNT FROM 20	Categ
15	R15FBWC20P	R15FBWC20P:W15 FTF/TEL IMPFLAG: BACKWARDS COUNT FROM 20	Categ
16	R16FBWC20P	R16FBWC20P:W16 FTF/TEL IMPFLAG: BACKWARDS COUNT FROM 20	Categ
14	S14FBWC20P	S14FBWC20P:W14 FTF/TEL IMPFLAG: BACKWARDS COUNT FROM 20	Categ
15	S15FBWC20P	S15FBWC20P:W15 FTF/TEL IMPFLAG: BACKWARDS COUNT FROM 20	Categ
16	S16FBWC20P	S16FBWC20P:W16 FTF/TEL IMPFLAG: BACKWARDS COUNT FROM 20	Categ
14	R14BWC20W	R14BWC20W:W14 WEB BACKWARDS COUNT FROM 20	Categ
15	R15BWC20W	R15BWC20W:W15 WEB BACKWARDS COUNT FROM 20	Categ
16	R16BWC20W	R16BWC20W:W16 WEB BACKWARDS COUNT FROM 20	Categ
14	S14BWC20W	S14BWC20W:W14 WEB BACKWARDS COUNT FROM 20	Categ
15	S15BWC20W	S15BWC20W:W15 WEB BACKWARDS COUNT FROM 20	Categ
16	S16BWC20W	S16BWC20W:W16 WEB BACKWARDS COUNT FROM 20	Categ
14	R14FBWC20W	R14FBWC20W:W14 WEB IMPFLAG: BACKWARDS COUNT FROM 20	Categ
15	R15FBWC20W	R15FBWC20W:W15 WEB IMPFLAG: BACKWARDS COUNT FROM 20	Categ
16	R16FBWC20W	R16FBWC20W:W16 WEB IMPFLAG: BACKWARDS COUNT FROM 20	Categ
14	S14FBWC20W	S14FBWC20W:W14 WEB IMPFLAG: BACKWARDS COUNT FROM 20	Categ
15	S15FBWC20W	S15FBWC20W:W15 WEB IMPFLAG: BACKWARDS COUNT FROM 20	Categ
16	S16FBWC20W	S16FBWC20W:W16 WEB IMPFLAG: BACKWARDS COUNT FROM 20	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2BWC20	7382	1.81	0.55	0.0	2.0
R3BWC20	16351	1.91	0.41	0.0	2.0
R4BWC20	19341	1.91	0.42	0.0	2.0
R5BWC20	17516	1.90	0.43	0.0	2.0
R6BWC20	16129	1.91	0.41	0.0	2.0
R7BWC20	18327	1.89	0.44	0.0	2.0
R8BWC20	17209	1.88	0.47	0.0	2.0
R9BWC20	16077	1.88	0.46	0.0	2.0
R10BWC20	20652	1.85	0.52	0.0	2.0
R11BWC20	19407	1.84	0.53	0.0	2.0
R12BWC20	17698	1.85	0.52	0.0	2.0
R13BWC20	19971	1.86	0.51	0.0	2.0
S2BWC20	3866	1.86	0.48	0.0	2.0
S3BWC20	10806	1.93	0.37	0.0	2.0
S4BWC20	12573	1.92	0.38	0.0	2.0
S5BWC20	11320	1.92	0.39	0.0	2.0
S6BWC20	10280	1.93	0.37	0.0	2.0
S7BWC20	11769	1.91	0.41	0.0	2.0
S8BWC20	10943	1.90	0.44	0.0	2.0
S9BWC20	9989	1.91	0.42	0.0	2.0

S10BWC20	12696	1.87	0.48	0.0	2.0
S11BWC20	11834	1.86	0.51	0.0	2.0
S12BWC20	10423	1.87	0.48	0.0	2.0
S13BWC20	11253	1.88	0.47	0.0	2.0
R2FBWC20	7382	0.02	0.15	0.0	1.0
R3FBWC20	16351	0.02	0.12	0.0	1.0
R4FBWC20	19341	0.01	0.09	0.0	1.0
R5FBWC20	17516	0.01	0.09	0.0	1.0
R6FBWC20	16129	0.01	0.09	0.0	1.0
R7FBWC20	18327	0.01	0.09	0.0	1.0
R8FBWC20	17209	0.01	0.08	0.0	1.0
R9FBWC20	16077	0.01	0.07	0.0	1.0
R10FBWC20	20652	0.00	0.06	0.0	1.0
R11FBWC20	19407	0.00	0.06	0.0	1.0
R12FBWC20	17698	0.00	0.07	0.0	1.0
R13FBWC20	19971	0.00	0.06	0.0	1.0
S2FBWC20	3866	0.02	0.13	0.0	1.0
S3FBWC20	10806	0.01	0.10	0.0	1.0
S4FBWC20	12573	0.00	0.07	0.0	1.0
S5FBWC20	11320	0.01	0.07	0.0	1.0
S6FBWC20	10280	0.01	0.07	0.0	1.0
S7FBWC20	11769	0.01	0.07	0.0	1.0
S8FBWC20	10943	0.00	0.07	0.0	1.0
S9FBWC20	9989	0.00	0.06	0.0	1.0
S10FBWC20	12696	0.00	0.06	0.0	1.0
S11FBWC20	11834	0.00	0.06	0.0	1.0
S12FBWC20	10423	0.00	0.06	0.0	1.0
S13FBWC20	11253	0.00	0.06	0.0	1.0
R3BWC86	16351	1.73	0.68	0.0	2.0
R4BWC86	19341	1.72	0.69	0.0	2.0
R5BWC86	17516	1.72	0.69	0.0	2.0
R6BWC86	16129	1.74	0.67	0.0	2.0
S3BWC86	10806	1.76	0.65	0.0	2.0
S4BWC86	12573	1.76	0.65	0.0	2.0
S5BWC86	11320	1.76	0.65	0.0	2.0
S6BWC86	10280	1.77	0.64	0.0	2.0
R3FBWC86	16351	0.03	0.16	0.0	1.0
R4FBWC86	19341	0.01	0.10	0.0	1.0
R5FBWC86	17516	0.01	0.10	0.0	1.0
R6FBWC86	16129	0.01	0.10	0.0	1.0
S3FBWC86	10806	0.02	0.13	0.0	1.0
S4FBWC86	12573	0.01	0.08	0.0	1.0
S5FBWC86	11320	0.01	0.08	0.0	1.0
S6FBWC86	10280	0.01	0.08	0.0	1.0
R14BWC20P	15086	1.85	0.52	0.0	2.0
R15BWC20P	12975	1.84	0.53	0.0	2.0
R16BWC20P	13734	1.84	0.54	0.0	2.0
S14BWC20P	8073	1.87	0.49	0.0	2.0
S15BWC20P	6776	1.87	0.49	0.0	2.0
S16BWC20P	6650	1.87	0.49	0.0	2.0

R14FBWC20P	15086	0.01	0.07	0.0	1.0
R15FBWC20P	12975	0.00	0.06	0.0	1.0
R16FBWC20P	13734	0.00	0.07	0.0	1.0
S14FBWC20P	8073	0.00	0.06	0.0	1.0
S15FBWC20P	6776	0.00	0.06	0.0	1.0
S16FBWC20P	6650	0.00	0.06	0.0	1.0
R14BWC20W	1397	1.94	0.35	0.0	2.0
R15BWC20W	2027	1.92	0.39	0.0	2.0
R16BWC20W	1467	1.86	0.50	0.0	2.0
S14BWC20W	901	1.95	0.32	0.0	2.0
S15BWC20W	1282	1.93	0.36	0.0	2.0
S16BWC20W	870	1.89	0.43	0.0	2.0
R14FBWC20W	1397	1.00	0.00	1.0	1.0
R15FBWC20W	2027	1.00	0.00	1.0	1.0
R16FBWC20W	1467	1.00	0.00	1.0	1.0
S14FBWC20W	901	1.00	0.00	1.0	1.0
S15FBWC20W	1282	1.00	0.00	1.0	1.0
S16FBWC20W	870	1.00	0.00	1.0	1.0

Categorical Variable Codes

RwBWC20: BACKWARDS COUNT FROM 20

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW		628	544	475	345	265	239	158	141	153
0.Incorrect		546	705	885	810	714	921	990	888	1479
1.Correct, 2nd try		322	91	59	94	54	83	70	90	80
2.Correct, 1st try		6514	15555	18397	16612	15361	17323	16149	15099	19093

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Incorrect	1485	1287	1364			
1.Correct, 2nd try	73	65	56			
2.Correct, 1st try	17849	16346	18551			

SwBWC20: BACKWARDS COUNT FROM 20

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	771	1091	1158	1172	1017	661	549	687
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW		326	340	316	252	187	186	131	108	130
0.Incorrect		204	381	469	427	364	514	550	452	783
1.Correct, 2nd try		134	33	27	50	24	34	32	41	37
2.Correct, 1st try		3528	10392	12077	10843	9892	11221	10361	9496	11876

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Incorrect	803	646	648			
1.Correct, 2nd try	36	34	28			
2.Correct, 1st try	10995	9743	10577			

RwFBWC20: IMPFLAG: BACKWARDS COUNT FROM 20

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW		628	544	475	345	265	239	158	141	153
0.Not imputed		7222	16098	19195	17366	16001	18180	17105	15992	20566
1.Imputed		160	253	146	150	128	147	104	85	86

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Not imputed	19328	17621	19891			
1.Imputed	79	77	80			

SwFBWC20: IMPFLAG: BACKWARDS COUNT FROM 20

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	771	1091	1158	1172	1017	661	549	687
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW		326	340	316	252	187	186	131	108	130
0.Not imputed		3803	10703	12511	11262	10228	11705	10895	9953	12652
1.Imputed		63	103	62	58	52	64	48	36	44

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Not imputed	11794	10390	11217			
1.Imputed	40	33	36			

RwBWC86: BACKWARDS COUNT FROM 86

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW			1096	1568	1717	1771				
.X=NR or Proxy all IW			544	475	345	265				
0.Incorrect			2157	2662	2416	2092				
1.Correct, 2nd try			151	94	114	81				
2.Correct, 1st try			14043	16585	14986	13956				

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW						
.X=NR or Proxy all IW						
0.Incorrect						
1.Correct, 2nd try						
2.Correct, 1st try						

SwBWC86: BACKWARDS COUNT FROM 86

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW			771	1091	1158	1172				
.U=Unmarried			5657	6868	6537	6306				
.V=Spouse NR			417	536	311	220				
.X=NR or Proxy all IW			340	316	252	187				
0.Incorrect			1284	1486	1348	1171				
1.Correct, 2nd try			59	46	51	27				
2.Correct, 1st try			9463	11041	9921	9082				

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW						
.U=Unmarried						
.V=Spouse NR						
.X=NR or Proxy all IW						
0.Incorrect						
1.Correct, 2nd try						
2.Correct, 1st try						

RwFBWC86: IMPFLAG: BACKWARDS COUNT FROM 86

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW			1096	1568	1717	1771				
.X=NR or Proxy all IW			544	475	345	265				
0.Not imputed			15939	19135	17330	15974				
1.Imputed			412	206	186	155				

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW						
.X=NR or Proxy all IW						
0.Not imputed						
1.Imputed						

SwFBWC86: IMPFLAG: BACKWARDS COUNT FROM 86

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW			771	1091	1158	1172				
.U=Unmarried			5657	6868	6537	6306				
.V=Spouse NR			417	536	311	220				
.X=NR or Proxy all IW			340	316	252	187				
0.Not imputed			10628	12488	11247	10221				
1.Imputed			178	85	73	59				

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW						
.U=Unmarried						
.V=Spouse NR						
.X=NR or Proxy all IW						
0.Not imputed						
1.Imputed						

RwBWC20P: FTF/TEL BACKWARDS COUNT FROM 20

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Incorrect										
1.Correct, 2nd try										
2.Correct, 1st try										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				599	638	527
.W=Web Interview				1397	2027	1467
.X=NR or Proxy all IW				64	83	59
0.Incorrect				1092	982	1056
1.Correct, 2nd try				47	67	52
2.Correct, 1st try				13947	11926	12626

SwBWC20P: FTF/TEL BACKWARDS COUNT FROM 20

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Incorrect										
1.Correct, 2nd try										
2.Correct, 1st try										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.W=Web Interview				901	1282	870
.X=NR or Proxy all IW				58	78	49
0.Incorrect				513	430	418
1.Correct, 2nd try				25	27	26
2.Correct, 1st try				7535	6319	6206

RwFBWC20P: FTF/TEL IMPFLAG: BACKWARDS COUNT FROM 20

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				599	638	527
.W=Web Interview				1397	2027	1467
.X=NR or Proxy all IW				64	83	59
0.Not imputed				15005	12921	13666
1.Imputed				81	54	68

SwFBWC20P: FTF/TEL IMPFLAG: BACKWARDS COUNT FROM 20

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.W=Web Interview				901	1282	870
.X=NR or Proxy all IW				58	78	49
0.Not imputed				8043	6753	6628
1.Imputed				30	23	22

RwBWC20W: WEB BACKWARDS COUNT FROM 20

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=FTF/Tel Interview										
.S=Proxy IW										
.X=NR or Proxy all IW										
0.Incorrect										
1.Correct, 2nd try										
2.Correct, 1st try										

Value	w11	w12	w13	w14	w15	w16
.P=FTF/Tel Interview				15086	12975	13734
.S=Proxy IW				599	638	527
.X=NR or Proxy all IW				64	83	59
0.Incorrect				44	76	95
1.Correct, 2nd try				2	11	22
2.Correct, 1st try				1351	1940	1350

SwBWC20W: WEB BACKWARDS COUNT FROM 20

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=FTF/Tel Interview										
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.X=NR or Proxy all IW										
0.Incorrect										
1.Correct, 2nd try										
2.Correct, 1st try										

Value	w11	w12	w13	w14	w15	w16
.P=FTF/Tel Interview				8073	6776	6650
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.X=NR or Proxy all IW				58	78	49
0.Incorrect				23	42	40
1.Correct, 2nd try					1	12
2.Correct, 1st try				878	1239	818

RwFBWC20W: WEB IMPFLAG: BACKWARDS COUNT FROM 20

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=FTF/Tel Interview										
.S=Proxy IW										
.X=NR or Proxy all IW										
1.Imputed										

Value	w11	w12	w13	w14	w15	w16
.P=FTF/Tel Interview				15086	12975	13734
.S=Proxy IW				599	638	527
.X=NR or Proxy all IW				64	83	59
1.Imputed				1397	2027	1467

SwFBWC20W: WEB IMPFLAG: BACKWARDS COUNT FROM 20

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=FTF/Tel Interview										
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.X=NR or Proxy all IW										
1.Imputed										

Value	w11	w12	w13	w14	w15	w16
.P=FTF/Tel Interview				8073	6776	6650
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.X=NR or Proxy all IW				58	78	49
1.Imputed				901	1282	870

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are typically calculated only for the final release data. Note that for Waves 14 forward, some cognition measures collected via Web interviews differed in their implementation, measurement, or collection method. Due to these differences, these cognition variables are separated into two measures: one ending in [P] for Face-to-Face/Telephone interviews and one ending in [W] for Web interviews. For some variables, only the [P] for Face-to-Face/Telephone interviews measure is provided. Please review the HRS documentation linked below and the specific variable documentation, when applicable, in this documentation section.

Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2022) (Final Version V2.0) Data Description (HRS Staff, March 2026) on the HRS website for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

RwBWC20, RwBWC20P, RwBWC20W, and RwBWC86 indicate whether the Respondent was able to successfully count backwards for 10 continuous numbers from 20 and 86, respectively. Two points are given if successful on the first try, one if successful on the second, and zero if not successful on either try.

RwFBWC20, RwFBWC20P, RwFBWC20W, and RwFBWC86 indicate whether the values were imputed (=1) or not (=0).

RwBWC20 is available in Wave 2A and from Wave 3 to Wave 13. RwBWC20P and RwBWC20W are available from Wave 14 forward. Counting backwards from 86 was tested in Wave 3H and Waves 4 to 6. No test was included in Waves 1 and 2H. In Wave 2H, R2BWC20 and R2FBWC20 are set to special missing .Q to indicate that it is missing for all HRS Respondents.

In Waves 14 forward, these tests were conducted differently depending on if the Respondent had a Face-to-Face/Telephone interview or a Web interview. To account for these differences, RwBWC20 is separated into two variables: RwBWC20P for Respondents who performed the cognition measures during a Face-to-Face/Telephone interview and RwBWC20W for Respondents who performed the cognition measures during a Web interview. RwFBWC20 is similarly separated into RwFBWC20P and RwFBWC20W for Waves 14 forward.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X),

the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done. In Waves 14 forward, RwBWC20P and RwFBWC20P are set to .W to indicate a Web interview and RwBWC20W and RwFBWC20W are set to .P to indicate a Face-to-Face/Telephone interview. In these cases, when RwBWC20P and RwFBWC20P are set to .W the the cognition values are in RwBWC20W and RwFBWC20W and when RwBWC20W and RwFBWC20W are set to .P the cognition values are in RwBWC20P and RwFBWC20P.

The Sw backwards counting variables were taken from the respective Rw variables for the Wave "w" spouse.

Cross Wave Differences in Original HRS Data

Counting backwards from 20 is included in interviews for Wave 2A, and from Wave 3 forward. Counting backwards from 86 is included for Wave 3H and Waves 4 to 6. Neither test was included in interviews for Waves 1 and 2H.

Instructions were added in Wave 3 asking that the Respondent count backwards as quickly as possible.

In Waves 14 forward, RwBWC20 is separated into two variables: RwBWC20P for Respondents who performed the cognition measures during a Face-to-Face/Telephone interview and RwBWC20W for Respondents who performed the cognition measures during a Web interview. RwFBWC20 is similarly separated into RwFBWC20P and RwFBWC20W for Waves 14 forward. See the General Comments and How Constructed sections above for more information.

Imputed Cognition: Date Naming

Wave	Variable	Label	Type
2	R2MO	R2MO:W2 Cognition Date naming-Month	Categ
3	R3MO	R3MO:W3 Cognition Date naming-Month	Categ
4	R4MO	R4MO:W4 Cognition Date naming-Month	Categ
5	R5MO	R5MO:W5 Cognition Date naming-Month	Categ
6	R6MO	R6MO:W6 Cognition Date naming-Month	Categ
7	R7MO	R7MO:W7 Cognition Date naming-Month	Categ
8	R8MO	R8MO:W8 Cognition Date naming-Month	Categ
9	R9MO	R9MO:W9 Cognition Date naming-Month	Categ
10	R10MO	R10MO:W10 Cognition Date naming-Month	Categ
11	R11MO	R11MO:W11 Cognition Date naming-Month	Categ
12	R12MO	R12MO:W12 Cognition Date naming-Month	Categ
13	R13MO	R13MO:W13 Cognition Date naming-Month	Categ
2	S2MO	S2MO:W2 Cognition Date naming-Month	Categ
3	S3MO	S3MO:W3 Cognition Date naming-Month	Categ
4	S4MO	S4MO:W4 Cognition Date naming-Month	Categ
5	S5MO	S5MO:W5 Cognition Date naming-Month	Categ
6	S6MO	S6MO:W6 Cognition Date naming-Month	Categ
7	S7MO	S7MO:W7 Cognition Date naming-Month	Categ
8	S8MO	S8MO:W8 Cognition Date naming-Month	Categ
9	S9MO	S9MO:W9 Cognition Date naming-Month	Categ
10	S10MO	S10MO:W10 Cognition Date naming-Month	Categ
11	S11MO	S11MO:W11 Cognition Date naming-Month	Categ
12	S12MO	S12MO:W12 Cognition Date naming-Month	Categ
13	S13MO	S13MO:W13 Cognition Date naming-Month	Categ
2	R2FMO	R2FMO:W2 IMPFLAG: DATE: MONTH	Categ
3	R3FMO	R3FMO:W3 IMPFLAG: DATE: MONTH	Categ
4	R4FMO	R4FMO:W4 IMPFLAG: DATE: MONTH	Categ
5	R5FMO	R5FMO:W5 IMPFLAG: DATE: MONTH	Categ
6	R6FMO	R6FMO:W6 IMPFLAG: DATE: MONTH	Categ
7	R7FMO	R7FMO:W7 IMPFLAG: DATE: MONTH	Categ
8	R8FMO	R8FMO:W8 IMPFLAG: DATE: MONTH	Categ
9	R9FMO	R9FMO:W9 IMPFLAG: DATE: MONTH	Categ
10	R10FMO	R10FMO:W10 IMPFLAG: DATE: MONTH	Categ
11	R11FMO	R11FMO:W11 IMPFLAG: DATE: MONTH	Categ
12	R12FMO	R12FMO:W12 IMPFLAG: DATE: MONTH	Categ
13	R13FMO	R13FMO:W13 IMPFLAG: DATE: MONTH	Categ
2	S2FMO	S2FMO:W2 IMPFLAG: DATE: MONTH	Categ
3	S3FMO	S3FMO:W3 IMPFLAG: DATE: MONTH	Categ
4	S4FMO	S4FMO:W4 IMPFLAG: DATE: MONTH	Categ
5	S5FMO	S5FMO:W5 IMPFLAG: DATE: MONTH	Categ
6	S6FMO	S6FMO:W6 IMPFLAG: DATE: MONTH	Categ
7	S7FMO	S7FMO:W7 IMPFLAG: DATE: MONTH	Categ
8	S8FMO	S8FMO:W8 IMPFLAG: DATE: MONTH	Categ
9	S9FMO	S9FMO:W9 IMPFLAG: DATE: MONTH	Categ
10	S10FMO	S10FMO:W10 IMPFLAG: DATE: MONTH	Categ
11	S11FMO	S11FMO:W11 IMPFLAG: DATE: MONTH	Categ
12	S12FMO	S12FMO:W12 IMPFLAG: DATE: MONTH	Categ
13	S13FMO	S13FMO:W13 IMPFLAG: DATE: MONTH	Categ
14	R14MOP	R14MOP:W14 FTF/TEL Cognition Date naming-Month	Categ
15	R15MOP	R15MOP:W15 FTF/TEL Cognition Date naming-Month	Categ
16	R16MOP	R16MOP:W16 FTF/TEL Cognition Date naming-Month	Categ
14	S14MOP	S14MOP:W14 FTF/TEL Cognition Date naming-Month	Categ
15	S15MOP	S15MOP:W15 FTF/TEL Cognition Date naming-Month	Categ
16	S16MOP	S16MOP:W16 FTF/TEL Cognition Date naming-Month	Categ
14	R14FMOP	R14FMOP:W14 FTF/TEL IMPFLAG: DATE: MONTH	Categ
15	R15FMOP	R15FMOP:W15 FTF/TEL IMPFLAG: DATE: MONTH	Categ
16	R16FMOP	R16FMOP:W16 FTF/TEL IMPFLAG: DATE: MONTH	Categ
14	S14FMOP	S14FMOP:W14 FTF/TEL IMPFLAG: DATE: MONTH	Categ
15	S15FMOP	S15FMOP:W15 FTF/TEL IMPFLAG: DATE: MONTH	Categ

16	S16FMOP	S16FMOP:W16 FTF/TEL IMPFLAG: DATE: MONTH	Categ
2	R2DY	R2DY:W2 Cognition Date naming-Day of month	Categ
3	R3DY	R3DY:W3 Cognition Date naming-Day of month	Categ
4	R4DY	R4DY:W4 Cognition Date naming-Day of month	Categ
5	R5DY	R5DY:W5 Cognition Date naming-Day of month	Categ
6	R6DY	R6DY:W6 Cognition Date naming-Day of month	Categ
7	R7DY	R7DY:W7 Cognition Date naming-Day of month	Categ
8	R8DY	R8DY:W8 Cognition Date naming-Day of month	Categ
9	R9DY	R9DY:W9 Cognition Date naming-Day of month	Categ
10	R10DY	R10DY:W10 Cognition Date naming-Day of month	Categ
11	R11DY	R11DY:W11 Cognition Date naming-Day of month	Categ
12	R12DY	R12DY:W12 Cognition Date naming-Day of month	Categ
13	R13DY	R13DY:W13 Cognition Date naming-Day of month	Categ
2	S2DY	S2DY:W2 Cognition Date naming-Day of month	Categ
3	S3DY	S3DY:W3 Cognition Date naming-Day of month	Categ
4	S4DY	S4DY:W4 Cognition Date naming-Day of month	Categ
5	S5DY	S5DY:W5 Cognition Date naming-Day of month	Categ
6	S6DY	S6DY:W6 Cognition Date naming-Day of month	Categ
7	S7DY	S7DY:W7 Cognition Date naming-Day of month	Categ
8	S8DY	S8DY:W8 Cognition Date naming-Day of month	Categ
9	S9DY	S9DY:W9 Cognition Date naming-Day of month	Categ
10	S10DY	S10DY:W10 Cognition Date naming-Day of month	Categ
11	S11DY	S11DY:W11 Cognition Date naming-Day of month	Categ
12	S12DY	S12DY:W12 Cognition Date naming-Day of month	Categ
13	S13DY	S13DY:W13 Cognition Date naming-Day of month	Categ
2	R2FDY	R2FDY:W2 IMPFLAG: DATE: DAY OF MONTH	Categ
3	R3FDY	R3FDY:W3 IMPFLAG: DATE: DAY OF MONTH	Categ
4	R4FDY	R4FDY:W4 IMPFLAG: DATE: DAY OF MONTH	Categ
5	R5FDY	R5FDY:W5 IMPFLAG: DATE: DAY OF MONTH	Categ
6	R6FDY	R6FDY:W6 IMPFLAG: DATE: DAY OF MONTH	Categ
7	R7FDY	R7FDY:W7 IMPFLAG: DATE: DAY OF MONTH	Categ
8	R8FDY	R8FDY:W8 IMPFLAG: DATE: DAY OF MONTH	Categ
9	R9FDY	R9FDY:W9 IMPFLAG: DATE: DAY OF MONTH	Categ
10	R10FDY	R10FDY:W10 IMPFLAG: DATE: DAY OF MONTH	Categ
11	R11FDY	R11FDY:W11 IMPFLAG: DATE: DAY OF MONTH	Categ
12	R12FDY	R12FDY:W12 IMPFLAG: DATE: DAY OF MONTH	Categ
13	R13FDY	R13FDY:W13 IMPFLAG: DATE: DAY OF MONTH	Categ
2	S2FDY	S2FDY:W2 IMPFLAG: DATE: DAY OF MONTH	Categ
3	S3FDY	S3FDY:W3 IMPFLAG: DATE: DAY OF MONTH	Categ
4	S4FDY	S4FDY:W4 IMPFLAG: DATE: DAY OF MONTH	Categ
5	S5FDY	S5FDY:W5 IMPFLAG: DATE: DAY OF MONTH	Categ
6	S6FDY	S6FDY:W6 IMPFLAG: DATE: DAY OF MONTH	Categ
7	S7FDY	S7FDY:W7 IMPFLAG: DATE: DAY OF MONTH	Categ
8	S8FDY	S8FDY:W8 IMPFLAG: DATE: DAY OF MONTH	Categ
9	S9FDY	S9FDY:W9 IMPFLAG: DATE: DAY OF MONTH	Categ
10	S10FDY	S10FDY:W10 IMPFLAG: DATE: DAY OF MONTH	Categ
11	S11FDY	S11FDY:W11 IMPFLAG: DATE: DAY OF MONTH	Categ
12	S12FDY	S12FDY:W12 IMPFLAG: DATE: DAY OF MONTH	Categ
13	S13FDY	S13FDY:W13 IMPFLAG: DATE: DAY OF MONTH	Categ
14	R14DYP	R14DYP:W14 FTF/TEL Cognition Date naming-Day of month	Categ
15	R15DYP	R15DYP:W15 FTF/TEL Cognition Date naming-Day of month	Categ
16	R16DYP	R16DYP:W16 FTF/TEL Cognition Date naming-Day of month	Categ
14	S14DYP	S14DYP:W14 FTF/TEL Cognition Date naming-Day of month	Categ
15	S15DYP	S15DYP:W15 FTF/TEL Cognition Date naming-Day of month	Categ
16	S16DYP	S16DYP:W16 FTF/TEL Cognition Date naming-Day of month	Categ
14	R14FDYP	R14FDYP:W14 FTF/TEL IMPFLAG: DATE: DAY OF MONTH	Categ
15	R15FDYP	R15FDYP:W15 FTF/TEL IMPFLAG: DATE: DAY OF MONTH	Categ
16	R16FDYP	R16FDYP:W16 FTF/TEL IMPFLAG: DATE: DAY OF MONTH	Categ
14	S14FDYP	S14FDYP:W14 FTF/TEL IMPFLAG: DATE: DAY OF MONTH	Categ
15	S15FDYP	S15FDYP:W15 FTF/TEL IMPFLAG: DATE: DAY OF MONTH	Categ
16	S16FDYP	S16FDYP:W16 FTF/TEL IMPFLAG: DATE: DAY OF MONTH	Categ
2	R2YR	R2YR:W2 Cognition Date naming-Year	Categ
3	R3YR	R3YR:W3 Cognition Date naming-Year	Categ

4	R4YR	R4YR:W4 Cognition Date naming-Year	Categ
5	R5YR	R5YR:W5 Cognition Date naming-Year	Categ
6	R6YR	R6YR:W6 Cognition Date naming-Year	Categ
7	R7YR	R7YR:W7 Cognition Date naming-Year	Categ
8	R8YR	R8YR:W8 Cognition Date naming-Year	Categ
9	R9YR	R9YR:W9 Cognition Date naming-Year	Categ
10	R10YR	R10YR:W10 Cognition Date naming-Year	Categ
11	R11YR	R11YR:W11 Cognition Date naming-Year	Categ
12	R12YR	R12YR:W12 Cognition Date naming-Year	Categ
13	R13YR	R13YR:W13 Cognition Date naming-Year	Categ
2	S2YR	S2YR:W2 Cognition Date naming-Year	Categ
3	S3YR	S3YR:W3 Cognition Date naming-Year	Categ
4	S4YR	S4YR:W4 Cognition Date naming-Year	Categ
5	S5YR	S5YR:W5 Cognition Date naming-Year	Categ
6	S6YR	S6YR:W6 Cognition Date naming-Year	Categ
7	S7YR	S7YR:W7 Cognition Date naming-Year	Categ
8	S8YR	S8YR:W8 Cognition Date naming-Year	Categ
9	S9YR	S9YR:W9 Cognition Date naming-Year	Categ
10	S10YR	S10YR:W10 Cognition Date naming-Year	Categ
11	S11YR	S11YR:W11 Cognition Date naming-Year	Categ
12	S12YR	S12YR:W12 Cognition Date naming-Year	Categ
13	S13YR	S13YR:W13 Cognition Date naming-Year	Categ
2	R2FYR	R2FYR:W2 IMPFLAG: DATE: YEAR	Categ
3	R3FYR	R3FYR:W3 IMPFLAG: DATE: YEAR	Categ
4	R4FYR	R4FYR:W4 IMPFLAG: DATE: YEAR	Categ
5	R5FYR	R5FYR:W5 IMPFLAG: DATE: YEAR	Categ
6	R6FYR	R6FYR:W6 IMPFLAG: DATE: YEAR	Categ
7	R7FYR	R7FYR:W7 IMPFLAG: DATE: YEAR	Categ
8	R8FYR	R8FYR:W8 IMPFLAG: DATE: YEAR	Categ
9	R9FYR	R9FYR:W9 IMPFLAG: DATE: YEAR	Categ
10	R10FYR	R10FYR:W10 IMPFLAG: DATE: YEAR	Categ
11	R11FYR	R11FYR:W11 IMPFLAG: DATE: YEAR	Categ
12	R12FYR	R12FYR:W12 IMPFLAG: DATE: YEAR	Categ
13	R13FYR	R13FYR:W13 IMPFLAG: DATE: YEAR	Categ
2	S2FYR	S2FYR:W2 IMPFLAG: DATE: YEAR	Categ
3	S3FYR	S3FYR:W3 IMPFLAG: DATE: YEAR	Categ
4	S4FYR	S4FYR:W4 IMPFLAG: DATE: YEAR	Categ
5	S5FYR	S5FYR:W5 IMPFLAG: DATE: YEAR	Categ
6	S6FYR	S6FYR:W6 IMPFLAG: DATE: YEAR	Categ
7	S7FYR	S7FYR:W7 IMPFLAG: DATE: YEAR	Categ
8	S8FYR	S8FYR:W8 IMPFLAG: DATE: YEAR	Categ
9	S9FYR	S9FYR:W9 IMPFLAG: DATE: YEAR	Categ
10	S10FYR	S10FYR:W10 IMPFLAG: DATE: YEAR	Categ
11	S11FYR	S11FYR:W11 IMPFLAG: DATE: YEAR	Categ
12	S12FYR	S12FYR:W12 IMPFLAG: DATE: YEAR	Categ
13	S13FYR	S13FYR:W13 IMPFLAG: DATE: YEAR	Categ
14	R14YRP	R14YRP:W14 FTF/TEL Cognition Date naming-Year	Categ
15	R15YRP	R15YRP:W15 FTF/TEL Cognition Date naming-Year	Categ
16	R16YRP	R16YRP:W16 FTF/TEL Cognition Date naming-Year	Categ
14	S14YRP	S14YRP:W14 FTF/TEL Cognition Date naming-Year	Categ
15	S15YRP	S15YRP:W15 FTF/TEL Cognition Date naming-Year	Categ
16	S16YRP	S16YRP:W16 FTF/TEL Cognition Date naming-Year	Categ
14	R14FYRP	R14FYRP:W14 FTF/TEL IMPFLAG: DATE: YEAR	Categ
15	R15FYRP	R15FYRP:W15 FTF/TEL IMPFLAG: DATE: YEAR	Categ
16	R16FYRP	R16FYRP:W16 FTF/TEL IMPFLAG: DATE: YEAR	Categ
14	S14FYRP	S14FYRP:W14 FTF/TEL IMPFLAG: DATE: YEAR	Categ
15	S15FYRP	S15FYRP:W15 FTF/TEL IMPFLAG: DATE: YEAR	Categ
16	S16FYRP	S16FYRP:W16 FTF/TEL IMPFLAG: DATE: YEAR	Categ
2	R2DW	R2DW:W2 Cognition Date naming-Day of week	Categ
3	R3DW	R3DW:W3 Cognition Date naming-Day of week	Categ
4	R4DW	R4DW:W4 Cognition Date naming-Day of week	Categ
5	R5DW	R5DW:W5 Cognition Date naming-Day of week	Categ
6	R6DW	R6DW:W6 Cognition Date naming-Day of week	Categ
7	R7DW	R7DW:W7 Cognition Date naming-Day of week	Categ

8	R8DW	R8DW:W8 Cognition Date naming-Day of week	Categ
9	R9DW	R9DW:W9 Cognition Date naming-Day of week	Categ
10	R10DW	R10DW:W10 Cognition Date naming-Day of week	Categ
11	R11DW	R11DW:W11 Cognition Date naming-Day of week	Categ
12	R12DW	R12DW:W12 Cognition Date naming-Day of week	Categ
13	R13DW	R13DW:W13 Cognition Date naming-Day of week	Categ
2	S2DW	S2DW:W2 Cognition Date naming-Day of week	Categ
3	S3DW	S3DW:W3 Cognition Date naming-Day of week	Categ
4	S4DW	S4DW:W4 Cognition Date naming-Day of week	Categ
5	S5DW	S5DW:W5 Cognition Date naming-Day of week	Categ
6	S6DW	S6DW:W6 Cognition Date naming-Day of week	Categ
7	S7DW	S7DW:W7 Cognition Date naming-Day of week	Categ
8	S8DW	S8DW:W8 Cognition Date naming-Day of week	Categ
9	S9DW	S9DW:W9 Cognition Date naming-Day of week	Categ
10	S10DW	S10DW:W10 Cognition Date naming-Day of week	Categ
11	S11DW	S11DW:W11 Cognition Date naming-Day of week	Categ
12	S12DW	S12DW:W12 Cognition Date naming-Day of week	Categ
13	S13DW	S13DW:W13 Cognition Date naming-Day of week	Categ
2	R2FDW	R2FDW:W2 IMPFLAG: DATE: DAY OF WEEK	Categ
3	R3FDW	R3FDW:W3 IMPFLAG: DATE: DAY OF WEEK	Categ
4	R4FDW	R4FDW:W4 IMPFLAG: DATE: DAY OF WEEK	Categ
5	R5FDW	R5FDW:W5 IMPFLAG: DATE: DAY OF WEEK	Categ
6	R6FDW	R6FDW:W6 IMPFLAG: DATE: DAY OF WEEK	Categ
7	R7FDW	R7FDW:W7 IMPFLAG: DATE: DAY OF WEEK	Categ
8	R8FDW	R8FDW:W8 IMPFLAG: DATE: DAY OF WEEK	Categ
9	R9FDW	R9FDW:W9 IMPFLAG: DATE: DAY OF WEEK	Categ
10	R10FDW	R10FDW:W10 IMPFLAG: DATE: DAY OF WEEK	Categ
11	R11FDW	R11FDW:W11 IMPFLAG: DATE: DAY OF WEEK	Categ
12	R12FDW	R12FDW:W12 IMPFLAG: DATE: DAY OF WEEK	Categ
13	R13FDW	R13FDW:W13 IMPFLAG: DATE: DAY OF WEEK	Categ
2	S2FDW	S2FDW:W2 IMPFLAG: DATE: DAY OF WEEK	Categ
3	S3FDW	S3FDW:W3 IMPFLAG: DATE: DAY OF WEEK	Categ
4	S4FDW	S4FDW:W4 IMPFLAG: DATE: DAY OF WEEK	Categ
5	S5FDW	S5FDW:W5 IMPFLAG: DATE: DAY OF WEEK	Categ
6	S6FDW	S6FDW:W6 IMPFLAG: DATE: DAY OF WEEK	Categ
7	S7FDW	S7FDW:W7 IMPFLAG: DATE: DAY OF WEEK	Categ
8	S8FDW	S8FDW:W8 IMPFLAG: DATE: DAY OF WEEK	Categ
9	S9FDW	S9FDW:W9 IMPFLAG: DATE: DAY OF WEEK	Categ
10	S10FDW	S10FDW:W10 IMPFLAG: DATE: DAY OF WEEK	Categ
11	S11FDW	S11FDW:W11 IMPFLAG: DATE: DAY OF WEEK	Categ
12	S12FDW	S12FDW:W12 IMPFLAG: DATE: DAY OF WEEK	Categ
13	S13FDW	S13FDW:W13 IMPFLAG: DATE: DAY OF WEEK	Categ
14	R14DWP	R14DWP:W14 FTF/TEL Cognition Date naming-Day of week	Categ
15	R15DWP	R15DWP:W15 FTF/TEL Cognition Date naming-Day of week	Categ
16	R16DWP	R16DWP:W16 FTF/TEL Cognition Date naming-Day of week	Categ
14	S14DWP	S14DWP:W14 FTF/TEL Cognition Date naming-Day of week	Categ
15	S15DWP	S15DWP:W15 FTF/TEL Cognition Date naming-Day of week	Categ
16	S16DWP	S16DWP:W16 FTF/TEL Cognition Date naming-Day of week	Categ
14	R14FDWP	R14FDWP:W14 FTF/TEL IMPFLAG: DATE: DAY OF WEEK	Categ
15	R15FDWP	R15FDWP:W15 FTF/TEL IMPFLAG: DATE: DAY OF WEEK	Categ
16	R16FDWP	R16FDWP:W16 FTF/TEL IMPFLAG: DATE: DAY OF WEEK	Categ
14	S14FDWP	S14FDWP:W14 FTF/TEL IMPFLAG: DATE: DAY OF WEEK	Categ
15	S15FDWP	S15FDWP:W15 FTF/TEL IMPFLAG: DATE: DAY OF WEEK	Categ
16	S16FDWP	S16FDWP:W16 FTF/TEL IMPFLAG: DATE: DAY OF WEEK	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2MO	7382	0.95	0.21	0.0	1.0

R3MO	16351	0.97	0.16	0.0	1.0
R4MO	12330	0.97	0.16	0.0	1.0
R5MO	9503	0.97	0.17	0.0	1.0
R6MO	9611	0.96	0.19	0.0	1.0
R7MO	13083	0.97	0.18	0.0	1.0
R8MO	10517	0.96	0.21	0.0	1.0
R9MO	10518	0.96	0.20	0.0	1.0
R10MO	16031	0.97	0.18	0.0	1.0
R11MO	10250	0.95	0.22	0.0	1.0
R12MO	9692	0.95	0.22	0.0	1.0
R13MO	13700	0.96	0.20	0.0	1.0
S2MO	3866	0.96	0.19	0.0	1.0
S3MO	10806	0.98	0.15	0.0	1.0
S4MO	7481	0.98	0.15	0.0	1.0
S5MO	5424	0.97	0.16	0.0	1.0
S6MO	5499	0.97	0.17	0.0	1.0
S7MO	7935	0.97	0.16	0.0	1.0
S8MO	6071	0.96	0.19	0.0	1.0
S9MO	6039	0.96	0.19	0.0	1.0
S10MO	9477	0.97	0.17	0.0	1.0
S11MO	5922	0.96	0.20	0.0	1.0
S12MO	5342	0.96	0.20	0.0	1.0
S13MO	7293	0.96	0.19	0.0	1.0
R2FMO	7382	0.00	0.06	0.0	1.0
R3FMO	16351	0.00	0.03	0.0	1.0
R4FMO	19341	0.73	0.96	0.0	2.0
R5FMO	17516	0.92	1.00	0.0	2.0
R6FMO	16129	0.81	0.98	0.0	2.0
R7FMO	18327	0.57	0.90	0.0	2.0
R8FMO	17209	0.78	0.97	0.0	2.0
R9FMO	16077	0.69	0.95	0.0	2.0
R10FMO	20652	0.45	0.83	0.0	2.0
R11FMO	19407	0.94	1.00	0.0	2.0
R12FMO	17698	0.91	1.00	0.0	2.0
R13FMO	19971	0.63	0.93	0.0	2.0
S2FMO	3866	0.00	0.06	0.0	1.0
S3FMO	10806	0.00	0.03	0.0	1.0
S4FMO	12573	0.81	0.98	0.0	2.0
S5FMO	11320	1.04	1.00	0.0	2.0
S6FMO	10280	0.93	1.00	0.0	2.0
S7FMO	11769	0.65	0.94	0.0	2.0
S8FMO	10943	0.89	0.99	0.0	2.0
S9FMO	9989	0.79	0.98	0.0	2.0
S10FMO	12696	0.51	0.87	0.0	2.0
S11FMO	11834	1.00	1.00	0.0	2.0
S12FMO	10423	0.98	1.00	0.0	2.0
S13FMO	11253	0.70	0.96	0.0	2.0
R14MOP	7818	0.94	0.23	0.0	1.0
R15MOP	7362	0.96	0.21	0.0	1.0
R16MOP	9524	0.96	0.19	0.0	1.0
S14MOP	4020	0.95	0.22	0.0	1.0
S15MOP	3719	0.96	0.20	0.0	1.0
S16MOP	4481	0.96	0.19	0.0	1.0

R14FMOP	16483	1.05	1.00	0.0	2.0
R15FMOP	15002	1.02	1.00	0.0	2.0
R16FMOP	15201	0.75	0.97	0.0	2.0
S14FMOP	8974	1.10	0.99	0.0	2.0
S15FMOP	8058	1.08	1.00	0.0	2.0
S16FMOP	7520	0.81	0.98	0.0	2.0
R2DY	7382	0.79	0.41	0.0	1.0
R3DY	16351	0.83	0.37	0.0	1.0
R4DY	12330	0.83	0.38	0.0	1.0
R5DY	9503	0.82	0.38	0.0	1.0
R6DY	9611	0.83	0.37	0.0	1.0
R7DY	13083	0.83	0.38	0.0	1.0
R8DY	10517	0.80	0.40	0.0	1.0
R9DY	10518	0.81	0.39	0.0	1.0
R10DY	16031	0.81	0.39	0.0	1.0
R11DY	10250	0.78	0.42	0.0	1.0
R12DY	9692	0.78	0.41	0.0	1.0
R13DY	13700	0.81	0.39	0.0	1.0
S2DY	3866	0.82	0.39	0.0	1.0
S3DY	10806	0.85	0.36	0.0	1.0
S4DY	7481	0.84	0.37	0.0	1.0
S5DY	5424	0.84	0.37	0.0	1.0
S6DY	5499	0.85	0.36	0.0	1.0
S7DY	7935	0.84	0.36	0.0	1.0
S8DY	6071	0.81	0.39	0.0	1.0
S9DY	6039	0.82	0.38	0.0	1.0
S10DY	9477	0.82	0.38	0.0	1.0
S11DY	5922	0.79	0.41	0.0	1.0
S12DY	5342	0.79	0.41	0.0	1.0
S13DY	7293	0.81	0.39	0.0	1.0
R2FDY	7382	0.00	0.06	0.0	1.0
R3FDY	16351	0.00	0.02	0.0	1.0
R4FDY	19341	0.73	0.96	0.0	2.0
R5FDY	17516	0.92	1.00	0.0	2.0
R6FDY	16129	0.81	0.98	0.0	2.0
R7FDY	18327	0.57	0.90	0.0	2.0
R8FDY	17209	0.78	0.97	0.0	2.0
R9FDY	16077	0.69	0.95	0.0	2.0
R10FDY	20652	0.45	0.83	0.0	2.0
R11FDY	19407	0.94	1.00	0.0	2.0
R12FDY	17698	0.91	1.00	0.0	2.0
R13FDY	19971	0.63	0.93	0.0	2.0
S2FDY	3866	0.00	0.05	0.0	1.0
S3FDY	10806	0.00	0.02	0.0	1.0
S4FDY	12573	0.81	0.98	0.0	2.0
S5FDY	11320	1.04	1.00	0.0	2.0
S6FDY	10280	0.93	1.00	0.0	2.0
S7FDY	11769	0.65	0.94	0.0	2.0
S8FDY	10943	0.89	0.99	0.0	2.0
S9FDY	9989	0.79	0.98	0.0	2.0
S10FDY	12696	0.51	0.87	0.0	2.0
S11FDY	11834	1.00	1.00	0.0	2.0
S12FDY	10423	0.98	1.00	0.0	2.0
S13FDY	11253	0.70	0.96	0.0	2.0

R14DYP	7818	0.78	0.42	0.0	1.0
R15DYP	7362	0.81	0.40	0.0	1.0
R16DYP	9524	0.81	0.39	0.0	1.0
S14DYP	4020	0.79	0.41	0.0	1.0
S15DYP	3719	0.81	0.39	0.0	1.0
S16DYP	4481	0.81	0.39	0.0	1.0
R14FDYP	16483	1.05	1.00	0.0	2.0
R15FDYP	15002	1.02	1.00	0.0	2.0
R16FDYP	15201	0.75	0.97	0.0	2.0
S14FDYP	8974	1.10	0.99	0.0	2.0
S15FDYP	8058	1.08	1.00	0.0	2.0
S16FDYP	7520	0.81	0.98	0.0	2.0
R2YR	7382	0.95	0.22	0.0	1.0
R3YR	16351	0.98	0.16	0.0	1.0
R4YR	12330	0.97	0.18	0.0	1.0
R5YR	9503	0.98	0.15	0.0	1.0
R6YR	9611	0.96	0.21	0.0	1.0
R7YR	13083	0.97	0.18	0.0	1.0
R8YR	10517	0.96	0.20	0.0	1.0
R9YR	10518	0.96	0.20	0.0	1.0
R10YR	16031	0.97	0.18	0.0	1.0
R11YR	10250	0.95	0.22	0.0	1.0
R12YR	9692	0.94	0.23	0.0	1.0
R13YR	13700	0.96	0.20	0.0	1.0
S2YR	3866	0.96	0.19	0.0	1.0
S3YR	10806	0.98	0.13	0.0	1.0
S4YR	7481	0.97	0.16	0.0	1.0
S5YR	5424	0.98	0.13	0.0	1.0
S6YR	5499	0.97	0.18	0.0	1.0
S7YR	7935	0.98	0.15	0.0	1.0
S8YR	6071	0.97	0.17	0.0	1.0
S9YR	6039	0.97	0.17	0.0	1.0
S10YR	9477	0.97	0.16	0.0	1.0
S11YR	5922	0.96	0.20	0.0	1.0
S12YR	5342	0.95	0.21	0.0	1.0
S13YR	7293	0.96	0.19	0.0	1.0
R2FYR	7382	0.00	0.05	0.0	1.0
R3FYR	16351	0.00	0.03	0.0	1.0
R4FYR	19341	0.73	0.96	0.0	2.0
R5FYR	17516	0.92	1.00	0.0	2.0
R6FYR	16129	0.81	0.98	0.0	2.0
R7FYR	18327	0.57	0.90	0.0	2.0
R8FYR	17209	0.78	0.97	0.0	2.0
R9FYR	16077	0.69	0.95	0.0	2.0
R10FYR	20652	0.45	0.83	0.0	2.0
R11FYR	19407	0.94	1.00	0.0	2.0
R12FYR	17698	0.91	1.00	0.0	2.0
R13FYR	19971	0.63	0.93	0.0	2.0
S2FYR	3866	0.00	0.05	0.0	1.0
S3FYR	10806	0.00	0.02	0.0	1.0
S4FYR	12573	0.81	0.98	0.0	2.0

S5FYR	11320	1.04	1.00	0.0	2.0
S6FYR	10280	0.93	1.00	0.0	2.0
S7FYR	11769	0.65	0.94	0.0	2.0
S8FYR	10943	0.89	0.99	0.0	2.0
S9FYR	9989	0.79	0.98	0.0	2.0
S10FYR	12696	0.51	0.87	0.0	2.0
S11FYR	11834	1.00	1.00	0.0	2.0
S12FYR	10423	0.98	1.00	0.0	2.0
S13FYR	11253	0.70	0.96	0.0	2.0
R14YRP	7818	0.94	0.23	0.0	1.0
R15YRP	7362	0.96	0.19	0.0	1.0
R16YRP	9524	0.95	0.22	0.0	1.0
S14YRP	4020	0.95	0.22	0.0	1.0
S15YRP	3719	0.97	0.18	0.0	1.0
S16YRP	4481	0.95	0.21	0.0	1.0
R14FYRP	16483	1.05	1.00	0.0	2.0
R15FYRP	15002	1.02	1.00	0.0	2.0
R16FYRP	15201	0.75	0.97	0.0	2.0
S14FYRP	8974	1.10	0.99	0.0	2.0
S15FYRP	8058	1.08	1.00	0.0	2.0
S16FYRP	7520	0.81	0.98	0.0	2.0
R2DW	7382	0.96	0.20	0.0	1.0
R3DW	16351	0.98	0.15	0.0	1.0
R4DW	12330	0.97	0.17	0.0	1.0
R5DW	9503	0.97	0.18	0.0	1.0
R6DW	9611	0.96	0.21	0.0	1.0
R7DW	13083	0.96	0.20	0.0	1.0
R8DW	10517	0.95	0.21	0.0	1.0
R9DW	10518	0.96	0.21	0.0	1.0
R10DW	16031	0.96	0.19	0.0	1.0
R11DW	10250	0.95	0.22	0.0	1.0
R12DW	9692	0.95	0.22	0.0	1.0
R13DW	13700	0.96	0.20	0.0	1.0
S2DW	3866	0.97	0.17	0.0	1.0
S3DW	10806	0.98	0.14	0.0	1.0
S4DW	7481	0.97	0.16	0.0	1.0
S5DW	5424	0.97	0.16	0.0	1.0
S6DW	5499	0.96	0.19	0.0	1.0
S7DW	7935	0.97	0.18	0.0	1.0
S8DW	6071	0.96	0.19	0.0	1.0
S9DW	6039	0.96	0.18	0.0	1.0
S10DW	9477	0.97	0.17	0.0	1.0
S11DW	5922	0.96	0.20	0.0	1.0
S12DW	5342	0.96	0.21	0.0	1.0
S13DW	7293	0.96	0.19	0.0	1.0
R2FDW	7382	0.00	0.05	0.0	1.0
R3FDW	16351	0.00	0.02	0.0	1.0
R4FDW	19341	0.73	0.96	0.0	2.0
R5FDW	17516	0.92	1.00	0.0	2.0
R6FDW	16129	0.81	0.98	0.0	2.0
R7FDW	18327	0.57	0.90	0.0	2.0
R8FDW	17209	0.78	0.97	0.0	2.0

R9FDW	16077	0.69	0.95	0.0	2.0
R10FDW	20652	0.45	0.83	0.0	2.0
R11FDW	19407	0.94	1.00	0.0	2.0
R12FDW	17698	0.91	1.00	0.0	2.0
R13FDW	19971	0.63	0.93	0.0	2.0
S2FDW	3866	0.00	0.05	0.0	1.0
S3FDW	10806	0.00	0.02	0.0	1.0
S4FDW	12573	0.81	0.98	0.0	2.0
S5FDW	11320	1.04	1.00	0.0	2.0
S6FDW	10280	0.93	1.00	0.0	2.0
S7FDW	11769	0.65	0.94	0.0	2.0
S8FDW	10943	0.89	0.99	0.0	2.0
S9FDW	9989	0.79	0.98	0.0	2.0
S10FDW	12696	0.51	0.87	0.0	2.0
S11FDW	11834	1.00	1.00	0.0	2.0
S12FDW	10423	0.98	1.00	0.0	2.0
S13FDW	11253	0.70	0.96	0.0	2.0
R14DWP	7818	0.95	0.22	0.0	1.0
R15DWP	7362	0.96	0.19	0.0	1.0
R16DWP	9524	0.96	0.20	0.0	1.0
S14DWP	4020	0.96	0.20	0.0	1.0
S15DWP	3719	0.97	0.18	0.0	1.0
S16DWP	4481	0.96	0.19	0.0	1.0
R14FDWP	16483	1.05	1.00	0.0	2.0
R15FDWP	15002	1.02	1.00	0.0	2.0
R16FDWP	15201	0.75	0.97	0.0	2.0
S14FDWP	8974	1.10	0.99	0.0	2.0
S15FDWP	8058	1.08	1.00	0.0	2.0
S16FDWP	7520	0.81	0.98	0.0	2.0

Categorical Variable Codes

RwMO: Cognition Date naming-Month

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				7011	8013	6518	5244	6692	5559	4621
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW		628	544	475	345	265	239	158	141	153
0.Incorrect		337	419	339	285	348	450	467	447	558
1.Correct		7045	15932	11991	9218	9263	12633	10050	10071	15473

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.N=Cog not asked (re-IW/ lt	9157	8006	6271			
.Q=Not asked this cohort or						
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Incorrect	506	493	567			
1.Correct	9744	9199	13133			

SwMO: Cognition Date naming-Month

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				5092	5896	4781	3834	4872	3950	3219
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	771	1091	1158	1172	1017	661	549	687
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW		326	340	316	252	187	186	131	108	130
0.Incorrect		141	259	168	148	158	217	227	226	284
1.Correct		3725	10547	7313	5276	5341	7718	5844	5813	9193

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.N=Cog not asked (re-IW/ lt	5912	5081	3960			
.Q=Not asked this cohort or						
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Incorrect	249	230	263			
1.Correct	5673	5112	7030			

RwFMO: IMPFLAG: DATE: MONTH

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW		628	544	475	345	265	239	158	141	153
0.Not imputed		7357	16331	12308	9485	9600	13063	10489	10500	16022
1.Imputed		25	20	22	18	11	20	28	18	9
2.NA-Not 65+, new IW, alt w				7011	8013	6518	5244	6692	5559	4621

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Not imputed	10235	9683	13685			
1.Imputed	15	9	15			
2.NA-Not 65+, new IW, alt w	9157	8006	6271			

SwFMO: IMPFLAG: DATE: MONTH

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	771	1091	1158	1172	1017	661	549	687
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW		326	340	316	252	187	186	131	108	130
0.Not imputed		3854	10796	7467	5418	5492	7926	6054	6028	9472
1.Imputed		12	10	14	6	7	9	17	11	5
2.NA-Not 65+, new IW, alt w				5092	5896	4781	3834	4872	3950	3219

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Not imputed	5911	5338	7285			
1.Imputed	11	4	8			
2.NA-Not 65+, new IW, alt w	5912	5081	3960			

RwMOP: FTF/TEL Cognition Date naming-Month

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=Cog not asked (re-IW/ lt										
.S=Proxy IW										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Incorrect										
1.Correct										

Value	w11	w12	w13	w14	w15	w16
.N=Cog not asked (re-IW/ lt				7268	5613	4210
.S=Proxy IW				599	638	527
.W=Web Interview				1397	2027	1467
.X=NR or Proxy all IW				64	83	59
0.Incorrect				437	324	370
1.Correct				7381	7038	9154

SwMOP: FTF/TEL Cognition Date naming-Month

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=Cog not asked (re-IW/ lt										
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Incorrect										
1.Correct										

Value	w11	w12	w13	w14	w15	w16
.N=Cog not asked (re-IW/ lt				4053	3057	2169
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.W=Web Interview				901	1282	870
.X=NR or Proxy all IW				58	78	49
0.Incorrect				203	156	164
1.Correct				3817	3563	4317

RwFMOP: FTF/TEL IMPFLAG: DATE: MONTH

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										
2.NA-Not 65+, new IW, alt w										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				599	638	527
.X=NR or Proxy all IW				64	83	59
0.Not imputed				7806	7350	9517
1.Imputed				12	12	7
2.NA-Not 65+, new IW, alt w				8665	7640	5677

SwFMOP: FTF/TEL IMPFLAG: DATE: MONTH

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										
2.NA-Not 65+, new IW, alt w										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.X=NR or Proxy all IW				58	78	49
0.Not imputed				4016	3714	4478
1.Imputed				4	5	3
2.NA-Not 65+, new IW, alt w				4954	4339	3039

RwDY: Cognition Date naming-Day of month

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				7011	8013	6518	5244	6692	5559	4621
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW		628	544	475	345	265	239	158	141	153
0.Incorrect		1539	2699	2141	1700	1591	2284	2090	2027	3000
1.Correct		5843	13652	10189	7803	8020	10799	8427	8491	13031

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.N=Cog not asked (re-IW/ lt	9157	8006	6271			
.Q=Not asked this cohort or						
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Incorrect	2292	2109	2630			
1.Correct	7958	7583	11070			

SwDY: Cognition Date naming-Day of month

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				5092	5896	4781	3834	4872	3950	3219
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	771	1091	1158	1172	1017	661	549	687
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW		326	340	316	252	187	186	131	108	130
0.Incorrect		703	1656	1194	879	815	1247	1131	1072	1675
1.Correct		3163	9150	6287	4545	4684	6688	4940	4967	7802

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.N=Cog not asked (re-IW/ lt	5912	5081	3960			
.Q=Not asked this cohort or						
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Incorrect	1255	1128	1362			
1.Correct	4667	4214	5931			

RwFDY: IMPFLAG: DATE: DAY OF MONTH

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW		628	544	475	345	265	239	158	141	153
0.Not imputed		7359	16341	12316	9495	9600	13062	10488	10500	16021
1.Imputed		23	10	14	8	11	21	29	18	10
2.NA-Not 65+, new IW, alt w				7011	8013	6518	5244	6692	5559	4621

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Not imputed	10234	9683	13684			
1.Imputed	16	9	16			
2.NA-Not 65+, new IW, alt w	9157	8006	6271			

SwFDY: IMPFLAG: DATE: DAY OF MONTH

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	771	1091	1158	1172	1017	661	549	687
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW		326	340	316	252	187	186	131	108	130
0.Not imputed		3856	10801	7473	5419	5492	7925	6054	6029	9470
1.Imputed		10	5	8	5	7	10	17	10	7
2.NA-Not 65+, new IW, alt w				5092	5896	4781	3834	4872	3950	3219

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Not imputed	5910	5339	7284			
1.Imputed	12	3	9			
2.NA-Not 65+, new IW, alt w	5912	5081	3960			

RwDYP: FTF/TEL Cognition Date naming-Day of month

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=Cog not asked (re-IW/ lt										
.S=Proxy IW										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Incorrect										
1.Correct										

Value	w11	w12	w13	w14	w15	w16
.N=Cog not asked (re-IW/ lt				7268	5613	4210
.S=Proxy IW				599	638	527
.W=Web Interview				1397	2027	1467
.X=NR or Proxy all IW				64	83	59
0.Incorrect				1732	1425	1817
1.Correct				6086	5937	7707

SwDYP: FTF/TEL Cognition Date naming-Day of month

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=Cog not asked (re-IW/ lt										
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Incorrect										
1.Correct										

Value	w11	w12	w13	w14	w15	w16
.N=Cog not asked (re-IW/ lt				4053	3057	2169
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.W=Web Interview				901	1282	870
.X=NR or Proxy all IW				58	78	49
0.Incorrect				862	699	864
1.Correct				3158	3020	3617

RwFDYP: FTF/TEL IMPFLAG: DATE: DAY OF MONTH

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										
2.NA-Not 65+, new IW, alt w										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				599	638	527
.X=NR or Proxy all IW				64	83	59
0.Not imputed				7806	7350	9517
1.Imputed				12	12	7
2.NA-Not 65+, new IW, alt w				8665	7640	5677

SwFDYP: FTF/TEL IMPFLAG: DATE: DAY OF MONTH

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										
2.NA-Not 65+, new IW, alt w										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.X=NR or Proxy all IW				58	78	49
0.Not imputed				4016	3714	4478
1.Imputed				4	5	3
2.NA-Not 65+, new IW, alt w				4954	4339	3039

RwYR: Cognition Date naming-Year

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				7011	8013	6518	5244	6692	5559	4621
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW		628	544	475	345	265	239	158	141	153
0.Incorrect		363	404	426	226	425	428	457	450	529
1.Correct		7019	15947	11904	9277	9186	12655	10060	10068	15502

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.N=Cog not asked (re-IW/ lt	9157	8006	6271			
.Q=Not asked this cohort or						
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Incorrect	538	536	576			
1.Correct	9712	9156	13124			

SwYR: Cognition Date naming-Year

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				5092	5896	4781	3834	4872	3950	3219
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	771	1091	1158	1172	1017	661	549	687
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW		326	340	316	252	187	186	131	108	130
0.Incorrect		138	199	201	98	177	180	191	175	254
1.Correct		3728	10607	7280	5326	5322	7755	5880	5864	9223

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.N=Cog not asked (re-IW/ lt	5912	5081	3960			
.Q=Not asked this cohort or						
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Incorrect	251	242	273			
1.Correct	5671	5100	7020			

RwFYR: IMPFLAG: DATE: YEAR

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW		628	544	475	345	265	239	158	141	153
0.Not imputed		7364	16340	12314	9492	9600	13062	10487	10501	16023
1.Imputed		18	11	16	11	11	21	30	17	8
2.NA-Not 65+, new IW, alt w				7011	8013	6518	5244	6692	5559	4621

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Not imputed	10235	9683	13684			
1.Imputed	15	9	16			
2.NA-Not 65+, new IW, alt w	9157	8006	6271			

SwFYR: IMPFLAG: DATE: YEAR

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	771	1091	1158	1172	1017	661	549	687
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW		326	340	316	252	187	186	131	108	130
0.Not imputed		3858	10801	7471	5419	5492	7925	6055	6028	9472
1.Imputed		8	5	10	5	7	10	16	11	5
2.NA-Not 65+, new IW, alt w				5092	5896	4781	3834	4872	3950	3219

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Not imputed	5911	5339	7285			
1.Imputed	11	3	8			
2.NA-Not 65+, new IW, alt w	5912	5081	3960			

RwYRP: FTF/TEL Cognition Date naming-Year

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=Cog not asked (re-IW/ lt										
.S=Proxy IW										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Incorrect										
1.Correct										

Value	w11	w12	w13	w14	w15	w16
.N=Cog not asked (re-IW/ lt				7268	5613	4210
.S=Proxy IW				599	638	527
.W=Web Interview				1397	2027	1467
.X=NR or Proxy all IW				64	83	59
0.Incorrect				457	276	501
1.Correct				7361	7086	9023

SwYRP: FTF/TEL Cognition Date naming-Year

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=Cog not asked (re-IW/ lt										
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Incorrect										
1.Correct										

Value	w11	w12	w13	w14	w15	w16
.N=Cog not asked (re-IW/ lt				4053	3057	2169
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.W=Web Interview				901	1282	870
.X=NR or Proxy all IW				58	78	49
0.Incorrect				203	128	204
1.Correct				3817	3591	4277

RwFYRP: FTF/TEL IMPFLAG: DATE: YEAR

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										
2.NA-Not 65+, new IW, alt w										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				599	638	527
.X=NR or Proxy all IW				64	83	59
0.Not imputed				7806	7348	9517
1.Imputed				12	14	7
2.NA-Not 65+, new IW, alt w				8665	7640	5677

SwFYRP: FTF/TEL IMPFLAG: DATE: YEAR

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										
2.NA-Not 65+, new IW, alt w										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.X=NR or Proxy all IW				58	78	49
0.Not imputed				4016	3713	4479
1.Imputed				4	6	2
2.NA-Not 65+, new IW, alt w				4954	4339	3039

RwDW: Cognition Date naming-Day of week

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				7011	8013	6518	5244	6692	5559	4621
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW		628	544	475	345	265	239	158	141	153
0.Incorrect		294	388	376	306	431	539	482	467	591
1.Correct		7088	15963	11954	9197	9180	12544	10035	10051	15440

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.N=Cog not asked (re-IW/ lt	9157	8006	6271			
.Q=Not asked this cohort or						
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Incorrect	507	502	581			
1.Correct	9743	9190	13119			

SwDW: Cognition Date naming-Day of week

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				5092	5896	4781	3834	4872	3950	3219
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	771	1091	1158	1172	1017	661	549	687
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW		326	340	316	252	187	186	131	108	130
0.Incorrect		122	213	190	148	202	263	235	213	287
1.Correct		3744	10593	7291	5276	5297	7672	5836	5826	9190

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.N=Cog not asked (re-IW/ lt	5912	5081	3960			
.Q=Not asked this cohort or						
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Incorrect	248	239	266			
1.Correct	5674	5103	7027			

RwFDW: IMPFLAG: DATE: DAY OF WEEK

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing		840								
.Q=Not asked this cohort or		11420								
.S=Proxy IW			1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW			544	475	345	265	239	158	141	153
0.Not imputed		7367	16341	12315	9493	9600	13063	10489	10501	16020
1.Imputed		15	10	15	10	11	20	28	17	11
2.NA-Not 65+, new IW, alt w				7011	8013	6518	5244	6692	5559	4621

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Not imputed	10235	9683	13686			
1.Imputed	15	9	14			
2.NA-Not 65+, new IW, alt w	9157	8006	6271			

SwFDW: IMPFLAG: DATE: DAY OF WEEK

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing		483								
.Q=Not asked this cohort or		9125								
.S=Proxy IW			771	1091	1158	1172	1017	661	549	687
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW			340	316	252	187	186	131	108	130
0.Not imputed		3858	10801	7472	5419	5492	7926	6055	6028	9470
1.Imputed		8	5	9	5	7	9	16	11	7
2.NA-Not 65+, new IW, alt w				5092	5896	4781	3834	4872	3950	3219

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Not imputed	5911	5339	7286			
1.Imputed	11	3	7			
2.NA-Not 65+, new IW, alt w	5912	5081	3960			

RwDWP: FTF/TEL Cognition Date naming-Day of week

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=Cog not asked (re-IW/ lt										
.S=Proxy IW										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Incorrect										
1.Correct										

Value	w11	w12	w13	w14	w15	w16
.N=Cog not asked (re-IW/ lt				7268	5613	4210
.S=Proxy IW				599	638	527
.W=Web Interview				1397	2027	1467
.X=NR or Proxy all IW				64	83	59
0.Incorrect				386	291	390
1.Correct				7432	7071	9134

SwDWP: FTF/TEL Cognition Date naming-Day of week

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=Cog not asked (re-IW/ lt										
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Incorrect										
1.Correct										

Value	w11	w12	w13	w14	w15	w16
.N=Cog not asked (re-IW/ lt				4053	3057	2169
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.W=Web Interview				901	1282	870
.X=NR or Proxy all IW				58	78	49
0.Incorrect				172	128	171
1.Correct				3848	3591	4310

RwFDWP: FTF/TEL IMPFLAG: DATE: DAY OF WEEK

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										
2.NA-Not 65+, new IW, alt w										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				599	638	527
.X=NR or Proxy all IW				64	83	59
0.Not imputed				7806	7350	9519
1.Imputed				12	12	5
2.NA-Not 65+, new IW, alt w				8665	7640	5677

SwFDWP: FTF/TEL IMPFLAG: DATE: DAY OF WEEK

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										
2.NA-Not 65+, new IW, alt w										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.X=NR or Proxy all IW				58	78	49
0.Not imputed				4016	3714	4480
1.Imputed				4	5	1
2.NA-Not 65+, new IW, alt w				4954	4339	3039

Format Reference Tables – complete variable value labels

Variables: CACT, CACTP, DW, DWP, DY, DYP, MO, MOP, PRES, PRESP, SCIS, SCISP, VP, VPP, YR, YRP	Variables: FBWC20, FBWC20P, FBWC20W, FBWC86, FCACT, FCACTP, FDLRC, FDLRCP, FDLRCW, FDW, FDWP, FDY, FDYP, FIMRC, FIMRCP, FIMRCW, FMO, FMOP, FPRES, FPRESP, FPSTME
.C=HRS-AHD ovrlap	.C=HRS-AHD ovrlap
.M=Oth missing	.M=Oth missing
.N=Cog not asked (re-IW/ lt 65)	.N=Cog not asked (re-IW/ lt 65)
.P=FTF/Tel Interview	.P=FTF/Tel Interview
.Q=Not asked this cohort or wv	.Q=Not asked this cohort or wv
.S=Proxy IW	.S=Proxy IW
.U=Unmarried	.U=Unmarried
.V=Spouse NR	.V=Spouse NR
.W=Web Interview	.W=Web Interview
.X=NR or Proxy all IW	.X=NR or Proxy all IW
0.Incorrect	0.Not imputed
1.Correct	1.Imputed
	2.NA-Not 65+, new IW, alt wv, web IW

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are typically calculated only for the final release data. Note that for Waves 14 forward, some cognition measures collected via Web interviews differed in their implementation, measurement, or collection method. Due to these differences, these cognition variables are separated into two measures: one ending in [P] for Face-to-Face/Telephone interviews and one ending in [W] for Web interviews. For some variables, only the [P] for Face-to-Face/Telephone interviews measure is provided. Please review the HRS documentation linked below and the specific variable documentation, when applicable, in this documentation section.

Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2022) (Final Version V2.0) Data Description (HRS Staff, March 2026) on the HRS website for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

RwDY, RwMO, RwYR, RwDW, RwDYP, RwMOP, RwYRP, and RwDWP indicate whether the Respondent was able to report today's date correctly, including the day of month, month, year, and day of week, respectively. RwDY, RwMO, RwYR, and RwDW provide this information from Wave 2 to Wave 13 and RwDYP, RwMOP, RwYRP, and RwDWP provide this information from Wave 14 forward.

Each of these variables is coded "1" for a correct answer and "0" for an incorrect answer. From Wave 4 forward the question is only asked of new interviewees and re-interviewees who are 65 or older. If the question was skipped because the Respondent is younger than 65, then special missing value .N is assigned. From Wave 14 forward, the questions are skipped for Web interviews. If the question was skipped because of a Web interview, then special missing value .W is assigned. The variable rename in Wave 14 forward, from RwDY, RwMO, RwYR, and RwDW to RwDYP, RwMOP, RwYRP, and RwDWP, reinforces this change.

RwFDY, RwFMO, RwFYR, RwFDW, RwFDYP, RwFMOP, RwFYRP, and RwFDWP indicate whether the values were imputed (=1) or not (=0). They have a value of "2" if the question was skipped because the Respondent is a re-interviewee younger than 65 or was a Web interviewee. RwFDY, RwFMO, RwFYR, and RwFDW provide this information from Wave 2 to Wave 13 and RwFDYP, RwFMOP, RwFYRP, and RwFDWP provide this information from Wave 14 forward. From Wave 14 forward, the questions are skipped for Web interviews and a value of "2" is assigned.

This task was not given to anyone in Waves 1 and 2H. In Wave 2H, R2 date naming variables are set to special missing .Q to indicate that they are missing for all HRS Respondents.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

The Sw date naming variables were taken from the respective Rw variables for the Wave "w" spouse.

Cross Wave Differences in Original HRS Data

This question was not asked in Waves 1 and 2H. From Wave 4 forward, it is only asked of new interviewees and re-interviewees who are 65 or older.

From Wave 14 forward, the questions are skipped for Web interviews. See the General Comments and How Constructed sections above for more information.

Imputed Cognition: Object Naming

Wave	Variable	Label	Type
2	R2SCIS	R2SCIS:W2 SCISSORS	Categ
3	R3SCIS	R3SCIS:W3 SCISSORS	Categ
4	R4SCIS	R4SCIS:W4 SCISSORS	Categ
5	R5SCIS	R5SCIS:W5 SCISSORS	Categ
6	R6SCIS	R6SCIS:W6 SCISSORS	Categ
7	R7SCIS	R7SCIS:W7 SCISSORS	Categ
8	R8SCIS	R8SCIS:W8 SCISSORS	Categ
9	R9SCIS	R9SCIS:W9 SCISSORS	Categ
10	R10SCIS	R10SCIS:W10 SCISSORS	Categ
11	R11SCIS	R11SCIS:W11 SCISSORS	Categ
12	R12SCIS	R12SCIS:W12 SCISSORS	Categ
13	R13SCIS	R13SCIS:W13 SCISSORS	Categ
2	S2SCIS	S2SCIS:W2 SCISSORS	Categ
3	S3SCIS	S3SCIS:W3 SCISSORS	Categ
4	S4SCIS	S4SCIS:W4 SCISSORS	Categ
5	S5SCIS	S5SCIS:W5 SCISSORS	Categ
6	S6SCIS	S6SCIS:W6 SCISSORS	Categ
7	S7SCIS	S7SCIS:W7 SCISSORS	Categ
8	S8SCIS	S8SCIS:W8 SCISSORS	Categ
9	S9SCIS	S9SCIS:W9 SCISSORS	Categ
10	S10SCIS	S10SCIS:W10 SCISSORS	Categ
11	S11SCIS	S11SCIS:W11 SCISSORS	Categ
12	S12SCIS	S12SCIS:W12 SCISSORS	Categ
13	S13SCIS	S13SCIS:W13 SCISSORS	Categ
2	R2FSCIS	R2FSCIS:W2 IMPFLAG: SCISSORS	Categ
3	R3FSCIS	R3FSCIS:W3 IMPFLAG: SCISSORS	Categ
4	R4FSCIS	R4FSCIS:W4 IMPFLAG: SCISSORS	Categ
5	R5FSCIS	R5FSCIS:W5 IMPFLAG: SCISSORS	Categ
6	R6FSCIS	R6FSCIS:W6 IMPFLAG: SCISSORS	Categ
7	R7FSCIS	R7FSCIS:W7 IMPFLAG: SCISSORS	Categ
8	R8FSCIS	R8FSCIS:W8 IMPFLAG: SCISSORS	Categ
9	R9FSCIS	R9FSCIS:W9 IMPFLAG: SCISSORS	Categ
10	R10FSCIS	R10FSCIS:W10 IMPFLAG: SCISSORS	Categ
11	R11FSCIS	R11FSCIS:W11 IMPFLAG: SCISSORS	Categ
12	R12FSCIS	R12FSCIS:W12 IMPFLAG: SCISSORS	Categ
13	R13FSCIS	R13FSCIS:W13 IMPFLAG: SCISSORS	Categ
2	S2FSCIS	S2FSCIS:W2 IMPFLAG: SCISSORS	Categ
3	S3FSCIS	S3FSCIS:W3 IMPFLAG: SCISSORS	Categ
4	S4FSCIS	S4FSCIS:W4 IMPFLAG: SCISSORS	Categ
5	S5FSCIS	S5FSCIS:W5 IMPFLAG: SCISSORS	Categ
6	S6FSCIS	S6FSCIS:W6 IMPFLAG: SCISSORS	Categ
7	S7FSCIS	S7FSCIS:W7 IMPFLAG: SCISSORS	Categ
8	S8FSCIS	S8FSCIS:W8 IMPFLAG: SCISSORS	Categ
9	S9FSCIS	S9FSCIS:W9 IMPFLAG: SCISSORS	Categ
10	S10FSCIS	S10FSCIS:W10 IMPFLAG: SCISSORS	Categ
11	S11FSCIS	S11FSCIS:W11 IMPFLAG: SCISSORS	Categ
12	S12FSCIS	S12FSCIS:W12 IMPFLAG: SCISSORS	Categ
13	S13FSCIS	S13FSCIS:W13 IMPFLAG: SCISSORS	Categ
14	R14SCISP	R14SCISP:W14 FTF/TEL SCISSORS	Categ
15	R15SCISP	R15SCISP:W15 FTF/TEL SCISSORS	Categ
16	R16SCISP	R16SCISP:W16 FTF/TEL SCISSORS	Categ
14	S14SCISP	S14SCISP:W14 FTF/TEL SCISSORS	Categ
15	S15SCISP	S15SCISP:W15 FTF/TEL SCISSORS	Categ
16	S16SCISP	S16SCISP:W16 FTF/TEL SCISSORS	Categ
14	R14FSCISP	R14FSCISP:W14 FTF/TEL IMPFLAG: SCISSORS	Categ
15	R15FSCISP	R15FSCISP:W15 FTF/TEL IMPFLAG: SCISSORS	Categ
16	R16FSCISP	R16FSCISP:W16 FTF/TEL IMPFLAG: SCISSORS	Categ
14	S14FSCISP	S14FSCISP:W14 FTF/TEL IMPFLAG: SCISSORS	Categ
15	S15FSCISP	S15FSCISP:W15 FTF/TEL IMPFLAG: SCISSORS	Categ

16	S16FSCISP	S16FSCISP:W16 FTF/TEL IMPFLAG: SCISSORS	Categ
2	R2CACT	R2CACT:W2 CACTUS	Categ
3	R3CACT	R3CACT:W3 CACTUS	Categ
4	R4CACT	R4CACT:W4 CACTUS	Categ
5	R5CACT	R5CACT:W5 CACTUS	Categ
6	R6CACT	R6CACT:W6 CACTUS	Categ
7	R7CACT	R7CACT:W7 CACTUS	Categ
8	R8CACT	R8CACT:W8 CACTUS	Categ
9	R9CACT	R9CACT:W9 CACTUS	Categ
10	R10CACT	R10CACT:W10 CACTUS	Categ
11	R11CACT	R11CACT:W11 CACTUS	Categ
12	R12CACT	R12CACT:W12 CACTUS	Categ
13	R13CACT	R13CACT:W13 CACTUS	Categ
2	S2CACT	S2CACT:W2 CACTUS	Categ
3	S3CACT	S3CACT:W3 CACTUS	Categ
4	S4CACT	S4CACT:W4 CACTUS	Categ
5	S5CACT	S5CACT:W5 CACTUS	Categ
6	S6CACT	S6CACT:W6 CACTUS	Categ
7	S7CACT	S7CACT:W7 CACTUS	Categ
8	S8CACT	S8CACT:W8 CACTUS	Categ
9	S9CACT	S9CACT:W9 CACTUS	Categ
10	S10CACT	S10CACT:W10 CACTUS	Categ
11	S11CACT	S11CACT:W11 CACTUS	Categ
12	S12CACT	S12CACT:W12 CACTUS	Categ
13	S13CACT	S13CACT:W13 CACTUS	Categ
2	R2FCACT	R2FCACT:W2 IMPFLAG: CACTUS	Categ
3	R3FCACT	R3FCACT:W3 IMPFLAG: CACTUS	Categ
4	R4FCACT	R4FCACT:W4 IMPFLAG: CACTUS	Categ
5	R5FCACT	R5FCACT:W5 IMPFLAG: CACTUS	Categ
6	R6FCACT	R6FCACT:W6 IMPFLAG: CACTUS	Categ
7	R7FCACT	R7FCACT:W7 IMPFLAG: CACTUS	Categ
8	R8FCACT	R8FCACT:W8 IMPFLAG: CACTUS	Categ
9	R9FCACT	R9FCACT:W9 IMPFLAG: CACTUS	Categ
10	R10FCACT	R10FCACT:W10 IMPFLAG: CACTUS	Categ
11	R11FCACT	R11FCACT:W11 IMPFLAG: CACTUS	Categ
12	R12FCACT	R12FCACT:W12 IMPFLAG: CACTUS	Categ
13	R13FCACT	R13FCACT:W13 IMPFLAG: CACTUS	Categ
2	S2FCACT	S2FCACT:W2 IMPFLAG: CACTUS	Categ
3	S3FCACT	S3FCACT:W3 IMPFLAG: CACTUS	Categ
4	S4FCACT	S4FCACT:W4 IMPFLAG: CACTUS	Categ
5	S5FCACT	S5FCACT:W5 IMPFLAG: CACTUS	Categ
6	S6FCACT	S6FCACT:W6 IMPFLAG: CACTUS	Categ
7	S7FCACT	S7FCACT:W7 IMPFLAG: CACTUS	Categ
8	S8FCACT	S8FCACT:W8 IMPFLAG: CACTUS	Categ
9	S9FCACT	S9FCACT:W9 IMPFLAG: CACTUS	Categ
10	S10FCACT	S10FCACT:W10 IMPFLAG: CACTUS	Categ
11	S11FCACT	S11FCACT:W11 IMPFLAG: CACTUS	Categ
12	S12FCACT	S12FCACT:W12 IMPFLAG: CACTUS	Categ
13	S13FCACT	S13FCACT:W13 IMPFLAG: CACTUS	Categ
14	R14CACTP	R14CACTP:W14 FTF/TEL CACTUS	Categ
15	R15CACTP	R15CACTP:W15 FTF/TEL CACTUS	Categ
16	R16CACTP	R16CACTP:W16 FTF/TEL CACTUS	Categ
14	S14CACTP	S14CACTP:W14 FTF/TEL CACTUS	Categ
15	S15CACTP	S15CACTP:W15 FTF/TEL CACTUS	Categ
16	S16CACTP	S16CACTP:W16 FTF/TEL CACTUS	Categ
14	R14FCACTP	R14FCACTP:W14 FTF/TEL IMPFLAG: CACTUS	Categ
15	R15FCACTP	R15FCACTP:W15 FTF/TEL IMPFLAG: CACTUS	Categ
16	R16FCACTP	R16FCACTP:W16 FTF/TEL IMPFLAG: CACTUS	Categ
14	S14FCACTP	S14FCACTP:W14 FTF/TEL IMPFLAG: CACTUS	Categ
15	S15FCACTP	S15FCACTP:W15 FTF/TEL IMPFLAG: CACTUS	Categ
16	S16FCACTP	S16FCACTP:W16 FTF/TEL IMPFLAG: CACTUS	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2SCIS	7382	0.99	0.11	0.0	1.0
R3SCIS	16351	0.99	0.11	0.0	1.0
R4SCIS	12330	0.99	0.10	0.0	1.0
R5SCIS	9503	0.99	0.09	0.0	1.0
R6SCIS	9611	0.99	0.10	0.0	1.0
R7SCIS	13083	0.99	0.10	0.0	1.0
R8SCIS	10517	0.99	0.11	0.0	1.0
R9SCIS	10518	0.99	0.11	0.0	1.0
R10SCIS	16031	0.98	0.12	0.0	1.0
R11SCIS	10250	0.98	0.12	0.0	1.0
R12SCIS	9692	0.98	0.13	0.0	1.0
R13SCIS	13700	0.99	0.12	0.0	1.0
S2SCIS	3866	0.99	0.09	0.0	1.0
S3SCIS	10806	0.99	0.10	0.0	1.0
S4SCIS	7481	0.99	0.09	0.0	1.0
S5SCIS	5424	0.99	0.09	0.0	1.0
S6SCIS	5499	0.99	0.10	0.0	1.0
S7SCIS	7935	0.99	0.09	0.0	1.0
S8SCIS	6071	0.99	0.10	0.0	1.0
S9SCIS	6039	0.99	0.11	0.0	1.0
S10SCIS	9477	0.99	0.12	0.0	1.0
S11SCIS	5922	0.99	0.12	0.0	1.0
S12SCIS	5342	0.98	0.13	0.0	1.0
S13SCIS	7293	0.99	0.11	0.0	1.0
R2FSCIS	7382	0.00	0.06	0.0	1.0
R3FSCIS	16351	0.00	0.04	0.0	1.0
R4FSCIS	19341	0.73	0.96	0.0	2.0
R5FSCIS	17516	0.92	1.00	0.0	2.0
R6FSCIS	16129	0.81	0.98	0.0	2.0
R7FSCIS	18327	0.57	0.90	0.0	2.0
R8FSCIS	17209	0.78	0.97	0.0	2.0
R9FSCIS	16077	0.69	0.95	0.0	2.0
R10FSCIS	20652	0.45	0.83	0.0	2.0
R11FSCIS	19407	0.94	1.00	0.0	2.0
R12FSCIS	17698	0.91	1.00	0.0	2.0
R13FSCIS	19971	0.63	0.93	0.0	2.0
S2FSCIS	3866	0.00	0.05	0.0	1.0
S3FSCIS	10806	0.00	0.04	0.0	1.0
S4FSCIS	12573	0.81	0.98	0.0	2.0
S5FSCIS	11320	1.04	1.00	0.0	2.0
S6FSCIS	10280	0.93	1.00	0.0	2.0
S7FSCIS	11769	0.65	0.94	0.0	2.0
S8FSCIS	10943	0.89	0.99	0.0	2.0
S9FSCIS	9989	0.79	0.98	0.0	2.0
S10FSCIS	12696	0.51	0.87	0.0	2.0
S11FSCIS	11834	1.00	1.00	0.0	2.0
S12FSCIS	10423	0.98	1.00	0.0	2.0
S13FSCIS	11253	0.70	0.96	0.0	2.0
R14SCISP	7818	0.99	0.12	0.0	1.0
R15SCISP	7362	0.99	0.12	0.0	1.0
R16SCISP	9524	0.99	0.11	0.0	1.0

S14SCISP	4020	0.99	0.11	0.0	1.0
S15SCISP	3719	0.99	0.11	0.0	1.0
S16SCISP	4481	0.99	0.11	0.0	1.0
R14FSCISP	16483	1.05	1.00	0.0	2.0
R15FSCISP	15002	1.02	1.00	0.0	2.0
R16FSCISP	15201	0.75	0.97	0.0	2.0
S14FSCISP	8974	1.10	0.99	0.0	2.0
S15FSCISP	8058	1.08	1.00	0.0	2.0
S16FSCISP	7520	0.81	0.98	0.0	2.0
R2CACT	7382	0.83	0.37	0.0	1.0
R3CACT	16351	0.89	0.31	0.0	1.0
R4CACT	12330	0.90	0.29	0.0	1.0
R5CACT	9503	0.90	0.30	0.0	1.0
R6CACT	9611	0.90	0.29	0.0	1.0
R7CACT	13083	0.91	0.28	0.0	1.0
R8CACT	10517	0.90	0.30	0.0	1.0
R9CACT	10518	0.90	0.29	0.0	1.0
R10CACT	16031	0.91	0.28	0.0	1.0
R11CACT	10250	0.92	0.28	0.0	1.0
R12CACT	9692	0.91	0.28	0.0	1.0
R13CACT	13700	0.92	0.27	0.0	1.0
S2CACT	3866	0.88	0.32	0.0	1.0
S3CACT	10806	0.92	0.27	0.0	1.0
S4CACT	7481	0.94	0.24	0.0	1.0
S5CACT	5424	0.93	0.25	0.0	1.0
S6CACT	5499	0.93	0.25	0.0	1.0
S7CACT	7935	0.94	0.24	0.0	1.0
S8CACT	6071	0.93	0.25	0.0	1.0
S9CACT	6039	0.93	0.26	0.0	1.0
S10CACT	9477	0.93	0.25	0.0	1.0
S11CACT	5922	0.94	0.24	0.0	1.0
S12CACT	5342	0.93	0.25	0.0	1.0
S13CACT	7293	0.94	0.24	0.0	1.0
R2FCACT	7382	0.00	0.06	0.0	1.0
R3FCACT	16351	0.00	0.04	0.0	1.0
R4FCACT	19341	0.73	0.96	0.0	2.0
R5FCACT	17516	0.92	1.00	0.0	2.0
R6FCACT	16129	0.81	0.98	0.0	2.0
R7FCACT	18327	0.57	0.90	0.0	2.0
R8FCACT	17209	0.78	0.97	0.0	2.0
R9FCACT	16077	0.69	0.95	0.0	2.0
R10FCACT	20652	0.45	0.83	0.0	2.0
R11FCACT	19407	0.94	1.00	0.0	2.0
R12FCACT	17698	0.91	1.00	0.0	2.0
R13FCACT	19971	0.63	0.93	0.0	2.0
S2FCACT	3866	0.00	0.06	0.0	1.0
S3FCACT	10806	0.00	0.04	0.0	1.0
S4FCACT	12573	0.81	0.98	0.0	2.0
S5FCACT	11320	1.04	1.00	0.0	2.0
S6FCACT	10280	0.93	1.00	0.0	2.0
S7FCACT	11769	0.65	0.94	0.0	2.0
S8FCACT	10943	0.89	0.99	0.0	2.0
S9FCACT	9989	0.79	0.98	0.0	2.0

S10FCACT	12696	0.51	0.87	0.0	2.0
S11FCACT	11834	1.00	1.00	0.0	2.0
S12FCACT	10423	0.98	1.00	0.0	2.0
S13FCACT	11253	0.70	0.96	0.0	2.0
R14CACTP	7818	0.92	0.28	0.0	1.0
R15CACTP	7362	0.93	0.26	0.0	1.0
R16CACTP	9524	0.92	0.27	0.0	1.0
S14CACTP	4020	0.94	0.24	0.0	1.0
S15CACTP	3719	0.94	0.23	0.0	1.0
S16CACTP	4481	0.94	0.24	0.0	1.0
R14FCACTP	16483	1.05	1.00	0.0	2.0
R15FCACTP	15002	1.02	1.00	0.0	2.0
R16FCACTP	15201	0.75	0.97	0.0	2.0
S14FCACTP	8974	1.10	0.99	0.0	2.0
S15FCACTP	8058	1.08	1.00	0.0	2.0
S16FCACTP	7520	0.81	0.98	0.0	2.0

Categorical Variable Codes

RwSCIS: SCISSORS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				7011	8013	6518	5244	6692	5559	4621
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW		628	544	475	345	265	239	158	141	153
0.Incorrect		85	192	118	79	105	136	135	140	248
1.Correct		7297	16159	12212	9424	9506	12947	10382	10378	15783

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.N=Cog not asked (re-IW/ lt	9157	8006	6271			
.Q=Not asked this cohort or						
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Incorrect	160	162	205			
1.Correct	10090	9530	13495			

SwSCIS: SCISSORS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				5092	5896	4781	3834	4872	3950	3219
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	771	1091	1158	1172	1017	661	549	687
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW		326	340	316	252	187	186	131	108	130
0.Incorrect		32	120	62	40	56	63	67	69	132
1.Correct		3834	10686	7419	5384	5443	7872	6004	5970	9345

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.N=Cog not asked (re-IW/ lt	5912	5081	3960			
.Q=Not asked this cohort or						
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Incorrect	84	86	94			
1.Correct	5838	5256	7199			

RwFSCIS: IMPFLAG: SCISSORS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW		628	544	475	345	265	239	158	141	153
0.Not imputed		7356	16319	12308	9479	9601	13067	10490	10499	16023
1.Imputed		26	32	22	24	10	16	27	19	8
2.NA-Not 65+, new IW, alt w				7011	8013	6518	5244	6692	5559	4621

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Not imputed	10238	9682	13680			
1.Imputed	12	10	20			
2.NA-Not 65+, new IW, alt w	9157	8006	6271			

SwFSCIS: IMPFLAG: SCISSORS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	771	1091	1158	1172	1017	661	549	687
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW		326	340	316	252	187	186	131	108	130
0.Not imputed		3856	10788	7467	5416	5494	7928	6057	6027	9472
1.Imputed		10	18	14	8	5	7	14	12	5
2.NA-Not 65+, new IW, alt w				5092	5896	4781	3834	4872	3950	3219

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Not imputed	5913	5339	7286			
1.Imputed	9	3	7			
2.NA-Not 65+, new IW, alt w	5912	5081	3960			

RwSCISP: FTF/TEL SCISSORS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=Cog not asked (re-IW/ lt										
.S=Proxy IW										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Incorrect										
1.Correct										

Value	w11	w12	w13	w14	w15	w16
.N=Cog not asked (re-IW/ lt				7268	5613	4210
.S=Proxy IW				599	638	527
.W=Web Interview				1397	2027	1467
.X=NR or Proxy all IW				64	83	59
0.Incorrect				106	105	117
1.Correct				7712	7257	9407

SwSCISP: FTF/TEL SCISSORS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=Cog not asked (re-IW/ lt										
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Incorrect										
1.Correct										

Value	w11	w12	w13	w14	w15	w16
.N=Cog not asked (re-IW/ lt				4053	3057	2169
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.W=Web Interview				901	1282	870
.X=NR or Proxy all IW				58	78	49
0.Incorrect				51	44	56
1.Correct				3969	3675	4425

RwFSCISP: FTF/TEL IMPFLAG: SCISSORS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										
2.NA-Not 65+, new IW, alt w										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				599	638	527
.X=NR or Proxy all IW				64	83	59
0.Not imputed				7808	7350	9517
1.Imputed				10	12	7
2.NA-Not 65+, new IW, alt w				8665	7640	5677

SwFSCISP: FTF/TEL IMPFLAG: SCISSORS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										
2.NA-Not 65+, new IW, alt w										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.X=NR or Proxy all IW				58	78	49
0.Not imputed				4016	3714	4480
1.Imputed				4	5	1
2.NA-Not 65+, new IW, alt w				4954	4339	3039

RwCACT: CACTUS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				7011	8013	6518	5244	6692	5559	4621
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW		628	544	475	345	265	239	158	141	153
0.Incorrect		1238	1735	1183	944	922	1122	1024	1003	1370
1.Correct		6144	14616	11147	8559	8689	11961	9493	9515	14661

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.N=Cog not asked (re-IW/ lt	9157	8006	6271			
.Q=Not asked this cohort or						
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Incorrect	846	832	1093			
1.Correct	9404	8860	12607			

SwCACT: CACTUS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				5092	5896	4781	3834	4872	3950	3219
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	771	1091	1158	1172	1017	661	549	687
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW		326	340	316	252	187	186	131	108	130
0.Incorrect		451	847	475	378	380	490	422	432	643
1.Correct		3415	9959	7006	5046	5119	7445	5649	5607	8834

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.N=Cog not asked (re-IW/ lt	5912	5081	3960			
.Q=Not asked this cohort or						
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Incorrect	362	351	444			
1.Correct	5560	4991	6849			

RwFCACT: IMPFLAG: CACTUS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW		628	544	475	345	265	239	158	141	153
0.Not imputed		7351	16322	12306	9478	9599	13067	10490	10497	16018
1.Imputed		31	29	24	25	12	16	27	21	13
2.NA-Not 65+, new IW, alt w				7011	8013	6518	5244	6692	5559	4621

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Not imputed	10234	9679	13678			
1.Imputed	16	13	22			
2.NA-Not 65+, new IW, alt w	9157	8006	6271			

SwFCACT: IMPFLAG: CACTUS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	771	1091	1158	1172	1017	661	549	687
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW		326	340	316	252	187	186	131	108	130
0.Not imputed		3852	10790	7466	5416	5494	7928	6057	6027	9469
1.Imputed		14	16	15	8	5	7	14	12	8
2.NA-Not 65+, new IW, alt w				5092	5896	4781	3834	4872	3950	3219

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Not imputed	5912	5335	7285			
1.Imputed	10	7	8			
2.NA-Not 65+, new IW, alt w	5912	5081	3960			

RwCACTP: FTF/TEL CACTUS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=Cog not asked (re-IW/ lt										
.S=Proxy IW										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Incorrect										
1.Correct										

Value	w11	w12	w13	w14	w15	w16
.N=Cog not asked (re-IW/ lt				7268	5613	4210
.S=Proxy IW				599	638	527
.W=Web Interview				1397	2027	1467
.X=NR or Proxy all IW				64	83	59
0.Incorrect				658	552	743
1.Correct				7160	6810	8781

SwCACTP: FTF/TEL CACTUS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=Cog not asked (re-IW/ lt										
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Incorrect										
1.Correct										

Value	w11	w12	w13	w14	w15	w16
.N=Cog not asked (re-IW/ lt				4053	3057	2169
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.W=Web Interview				901	1282	870
.X=NR or Proxy all IW				58	78	49
0.Incorrect				256	209	263
1.Correct				3764	3510	4218

RwFCACTP: FTF/TEL IMPFLAG: CACTUS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										
2.NA-Not 65+, new IW, alt w										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				599	638	527
.X=NR or Proxy all IW				64	83	59
0.Not imputed				7803	7345	9512
1.Imputed				15	17	12
2.NA-Not 65+, new IW, alt w				8665	7640	5677

SwFCACTP: FTF/TEL IMPFLAG: CACTUS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										
2.NA-Not 65+, new IW, alt w										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.X=NR or Proxy all IW				58	78	49
0.Not imputed				4014	3714	4477
1.Imputed				6	5	4
2.NA-Not 65+, new IW, alt w				4954	4339	3039

Format Reference Tables – complete variable value labels

Variables: CACT, CACTP, DW, DWP, DY, DYP, MO, MOP, PRES, PRESP, SCIS, SCISP, VP, VPP, YR, YRP
.C=HRS-AHD ovrlap
.M=Oth missing
.N=Cog not asked (re-IW/ lt 65)
.P=FTF/Tel Interview
.Q=Not asked this cohort or wv
.S=Proxy IW
.U=Unmarried
.V=Spouse NR
.W=Web Interview
.X=NR or Proxy all IW
0.Incorrect
1.Correct

Variables: FBWC20, FBWC20P, FBWC20W, FBWC86, FCACT, FCACTP, FDLRC, FDLRCP, FDLRCW, FDW, FDWP, FDY, FDYP, FIMRC, FIMRCP, FIMRCW, FMO, FMOP, FPRES, FPRESP, FPSTME
.C=HRS-AHD ovrlap
.M=Oth missing
.N=Cog not asked (re-IW/ lt 65)
.P=FTF/Tel Interview
.Q=Not asked this cohort or wv
.S=Proxy IW
.U=Unmarried
.V=Spouse NR
.W=Web Interview
.X=NR or Proxy all IW
0.Not imputed
1.Imputed
2.NA-Not 65+, new IW, alt wv, web IW

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are typically calculated only for the final release data. Note that for Waves 14 forward, some cognition measures collected via Web interviews differed in their implementation, measurement, or collection method. Due to these differences, these cognition variables are separated into two measures: one ending in [P] for Face-to-Face/Telephone interviews and one ending in [W] for Web interviews. For some variables, only the [P] for Face-to-Face/Telephone interviews measure is provided. Please review the HRS documentation linked below and the specific variable documentation, when applicable, in this documentation section.

Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2022) (Final Version V2.0) Data Description (HRS Staff, March 2026) on the HRS website for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

RwCACT, RwCACTP, RwSCIS and RwSCISP indicate whether the Respondent was able to correctly name these objects, cactus and scissors, respectively, based on a verbal description. For RwSCIS/RwSCISP the description was: "What do you usually use to cut paper?" and for RwCACT/RwCACTP it was, "What do you call the kind of prickly plant that grows in the desert?" RwCACT and RwSCIS provide this information from Wave 2 to Wave 13 and RwCACTP and RwSCISP provide this information from Wave 14 forward.

Each of these variables is code "1" for a correct answer and "0" for an incorrect answer. From Wave 4 forward these questions are only asked of new interviewees and re-interviewees who are 65 or older. If not asked because the Respondent is younger than 65, the Rw variables are set to special missing .N. From Wave 14 forward, the questions are skipped for Web interviews. If the question was skipped because of a Web interview, then special missing value .W is assigned. The variable rename in Wave 14 forward, from RwCACT and RwSCIS to RwCACTP and RwSCISP, reinforces this change.

RwFCACT, RwFCACTP, RwFSCIS, and RwFSCISP indicate whether the values were imputed (=1) or not (=0). They have a value of "2" if the question was skipped because the Respondent is a re-interviewee younger than 65 or was a Web interviewee. RwFCACT and RwFSCIS provide this information from Wave 2 to Wave 13 and RwFCACTP and RwFSCISP provide this information from Wave 14 forward. From Wave 14 forward, the questions are skipped for Web interviews and a value of "2" is assigned.

This task was not given to anyone in Waves 1 and 2H. In Wave 2H, R2 object naming variables are set to special missing .Q to indicate that they are missing for all HRS Respondents.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

The Sw object naming variables were taken from the respective Rw variables for the Wave "w" spouse.

Cross Wave Differences in Original HRS Data

These questions were not asked in Waves 1 and 2H. From Wave 4 forward, they are only asked of new interviewees and re-interviewees who are 65 or older.

From Wave 14 forward, the questions are skipped for Web interviews. See the General Comments and How Constructed sections above for more information.

Imputed Cognition: President/Vice-President Naming

Wave	Variable	Label	Type
2	R2PRES	R2PRES:W2 PRESIDENT	Categ
3	R3PRES	R3PRES:W3 PRESIDENT	Categ
4	R4PRES	R4PRES:W4 PRESIDENT	Categ
5	R5PRES	R5PRES:W5 PRESIDENT	Categ
6	R6PRES	R6PRES:W6 PRESIDENT	Categ
7	R7PRES	R7PRES:W7 PRESIDENT	Categ
8	R8PRES	R8PRES:W8 PRESIDENT	Categ
9	R9PRES	R9PRES:W9 PRESIDENT	Categ
10	R10PRES	R10PRES:W10 PRESIDENT	Categ
11	R11PRES	R11PRES:W11 PRESIDENT	Categ
12	R12PRES	R12PRES:W12 PRESIDENT	Categ
13	R13PRES	R13PRES:W13 PRESIDENT	Categ
2	S2PRES	S2PRES:W2 PRESIDENT	Categ
3	S3PRES	S3PRES:W3 PRESIDENT	Categ
4	S4PRES	S4PRES:W4 PRESIDENT	Categ
5	S5PRES	S5PRES:W5 PRESIDENT	Categ
6	S6PRES	S6PRES:W6 PRESIDENT	Categ
7	S7PRES	S7PRES:W7 PRESIDENT	Categ
8	S8PRES	S8PRES:W8 PRESIDENT	Categ
9	S9PRES	S9PRES:W9 PRESIDENT	Categ
10	S10PRES	S10PRES:W10 PRESIDENT	Categ
11	S11PRES	S11PRES:W11 PRESIDENT	Categ
12	S12PRES	S12PRES:W12 PRESIDENT	Categ
13	S13PRES	S13PRES:W13 PRESIDENT	Categ
2	R2FPRES	R2FPRES:W2 IMPFLAG: PRESIDENT	Categ
3	R3FPRES	R3FPRES:W3 IMPFLAG: PRESIDENT	Categ
4	R4FPRES	R4FPRES:W4 IMPFLAG: PRESIDENT	Categ
5	R5FPRES	R5FPRES:W5 IMPFLAG: PRESIDENT	Categ
6	R6FPRES	R6FPRES:W6 IMPFLAG: PRESIDENT	Categ
7	R7FPRES	R7FPRES:W7 IMPFLAG: PRESIDENT	Categ
8	R8FPRES	R8FPRES:W8 IMPFLAG: PRESIDENT	Categ
9	R9FPRES	R9FPRES:W9 IMPFLAG: PRESIDENT	Categ
10	R10FPRES	R10FPRES:W10 IMPFLAG: PRESIDENT	Categ
11	R11FPRES	R11FPRES:W11 IMPFLAG: PRESIDENT	Categ
12	R12FPRES	R12FPRES:W12 IMPFLAG: PRESIDENT	Categ
13	R13FPRES	R13FPRES:W13 IMPFLAG: PRESIDENT	Categ
2	S2FPRES	S2FPRES:W2 IMPFLAG: PRESIDENT	Categ
3	S3FPRES	S3FPRES:W3 IMPFLAG: PRESIDENT	Categ
4	S4FPRES	S4FPRES:W4 IMPFLAG: PRESIDENT	Categ
5	S5FPRES	S5FPRES:W5 IMPFLAG: PRESIDENT	Categ
6	S6FPRES	S6FPRES:W6 IMPFLAG: PRESIDENT	Categ
7	S7FPRES	S7FPRES:W7 IMPFLAG: PRESIDENT	Categ
8	S8FPRES	S8FPRES:W8 IMPFLAG: PRESIDENT	Categ
9	S9FPRES	S9FPRES:W9 IMPFLAG: PRESIDENT	Categ
10	S10FPRES	S10FPRES:W10 IMPFLAG: PRESIDENT	Categ
11	S11FPRES	S11FPRES:W11 IMPFLAG: PRESIDENT	Categ
12	S12FPRES	S12FPRES:W12 IMPFLAG: PRESIDENT	Categ
13	S13FPRES	S13FPRES:W13 IMPFLAG: PRESIDENT	Categ
14	R14PRESP	R14PRESP:W14 FTF/TEL PRESIDENT	Categ
15	R15PRESP	R15PRESP:W15 FTF/TEL PRESIDENT	Categ
16	R16PRESP	R16PRESP:W16 FTF/TEL PRESIDENT	Categ
14	S14PRESP	S14PRESP:W14 FTF/TEL PRESIDENT	Categ
15	S15PRESP	S15PRESP:W15 FTF/TEL PRESIDENT	Categ
16	S16PRESP	S16PRESP:W16 FTF/TEL PRESIDENT	Categ
14	R14FPRESP	R14FPRESP:W14 FTF/TEL IMPFLAG: PRESIDENT	Categ
15	R15FPRESP	R15FPRESP:W15 FTF/TEL IMPFLAG: PRESIDENT	Categ
16	R16FPRESP	R16FPRESP:W16 FTF/TEL IMPFLAG: PRESIDENT	Categ
14	S14FPRESP	S14FPRESP:W14 FTF/TEL IMPFLAG: PRESIDENT	Categ
15	S15FPRESP	S15FPRESP:W15 FTF/TEL IMPFLAG: PRESIDENT	Categ

16	S16FPRESP	S16FPRESP:W16 FTF/TEL IMPFLAG: PRESIDENT	Categ
2	R2VP	R2VP:W2 VICE PRESIDENT	Categ
3	R3VP	R3VP:W3 VICE PRESIDENT	Categ
4	R4VP	R4VP:W4 VICE PRESIDENT	Categ
5	R5VP	R5VP:W5 VICE PRESIDENT	Categ
6	R6VP	R6VP:W6 VICE PRESIDENT	Categ
7	R7VP	R7VP:W7 VICE PRESIDENT	Categ
8	R8VP	R8VP:W8 VICE PRESIDENT	Categ
9	R9VP	R9VP:W9 VICE PRESIDENT	Categ
10	R10VP	R10VP:W10 VICE PRESIDENT	Categ
11	R11VP	R11VP:W11 VICE PRESIDENT	Categ
12	R12VP	R12VP:W12 VICE PRESIDENT	Categ
13	R13VP	R13VP:W13 VICE PRESIDENT	Categ
2	S2VP	S2VP:W2 VICE PRESIDENT	Categ
3	S3VP	S3VP:W3 VICE PRESIDENT	Categ
4	S4VP	S4VP:W4 VICE PRESIDENT	Categ
5	S5VP	S5VP:W5 VICE PRESIDENT	Categ
6	S6VP	S6VP:W6 VICE PRESIDENT	Categ
7	S7VP	S7VP:W7 VICE PRESIDENT	Categ
8	S8VP	S8VP:W8 VICE PRESIDENT	Categ
9	S9VP	S9VP:W9 VICE PRESIDENT	Categ
10	S10VP	S10VP:W10 VICE PRESIDENT	Categ
11	S11VP	S11VP:W11 VICE PRESIDENT	Categ
12	S12VP	S12VP:W12 VICE PRESIDENT	Categ
13	S13VP	S13VP:W13 VICE PRESIDENT	Categ
2	R2FVP	R2FVP:W2 IMPFLAG: VICE PRESIDENT	Categ
3	R3FVP	R3FVP:W3 IMPFLAG: VICE PRESIDENT	Categ
4	R4FVP	R4FVP:W4 IMPFLAG: VICE PRESIDENT	Categ
5	R5FVP	R5FVP:W5 IMPFLAG: VICE PRESIDENT	Categ
6	R6FVP	R6FVP:W6 IMPFLAG: VICE PRESIDENT	Categ
7	R7FVP	R7FVP:W7 IMPFLAG: VICE PRESIDENT	Categ
8	R8FVP	R8FVP:W8 IMPFLAG: VICE PRESIDENT	Categ
9	R9FVP	R9FVP:W9 IMPFLAG: VICE PRESIDENT	Categ
10	R10FVP	R10FVP:W10 IMPFLAG: VICE PRESIDENT	Categ
11	R11FVP	R11FVP:W11 IMPFLAG: VICE PRESIDENT	Categ
12	R12FVP	R12FVP:W12 IMPFLAG: VICE PRESIDENT	Categ
13	R13FVP	R13FVP:W13 IMPFLAG: VICE PRESIDENT	Categ
2	S2FVP	S2FVP:W2 IMPFLAG: VICE PRESIDENT	Categ
3	S3FVP	S3FVP:W3 IMPFLAG: VICE PRESIDENT	Categ
4	S4FVP	S4FVP:W4 IMPFLAG: VICE PRESIDENT	Categ
5	S5FVP	S5FVP:W5 IMPFLAG: VICE PRESIDENT	Categ
6	S6FVP	S6FVP:W6 IMPFLAG: VICE PRESIDENT	Categ
7	S7FVP	S7FVP:W7 IMPFLAG: VICE PRESIDENT	Categ
8	S8FVP	S8FVP:W8 IMPFLAG: VICE PRESIDENT	Categ
9	S9FVP	S9FVP:W9 IMPFLAG: VICE PRESIDENT	Categ
10	S10FVP	S10FVP:W10 IMPFLAG: VICE PRESIDENT	Categ
11	S11FVP	S11FVP:W11 IMPFLAG: VICE PRESIDENT	Categ
12	S12FVP	S12FVP:W12 IMPFLAG: VICE PRESIDENT	Categ
13	S13FVP	S13FVP:W13 IMPFLAG: VICE PRESIDENT	Categ
14	R14VPP	R14VPP:W14 FTF/TEL VICE PRESIDENT	Categ
15	R15VPP	R15VPP:W15 FTF/TEL VICE PRESIDENT	Categ
16	R16VPP	R16VPP:W16 FTF/TEL VICE PRESIDENT	Categ
14	S14VPP	S14VPP:W14 FTF/TEL VICE PRESIDENT	Categ
15	S15VPP	S15VPP:W15 FTF/TEL VICE PRESIDENT	Categ
16	S16VPP	S16VPP:W16 FTF/TEL VICE PRESIDENT	Categ
14	R14FVPP	R14FVPP:W14 FTF/TEL IMPFLAG: VICE PRESIDENT	Categ
15	R15FVPP	R15FVPP:W15 FTF/TEL IMPFLAG: VICE PRESIDENT	Categ
16	R16FVPP	R16FVPP:W16 FTF/TEL IMPFLAG: VICE PRESIDENT	Categ
14	S14FVPP	S14FVPP:W14 FTF/TEL IMPFLAG: VICE PRESIDENT	Categ
15	S15FVPP	S15FVPP:W15 FTF/TEL IMPFLAG: VICE PRESIDENT	Categ
16	S16FVPP	S16FVPP:W16 FTF/TEL IMPFLAG: VICE PRESIDENT	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2PRES	7382	0.90	0.29	0.0	1.0
R3PRES	16351	0.94	0.24	0.0	1.0
R4PRES	12330	0.96	0.20	0.0	1.0
R5PRES	9503	0.95	0.22	0.0	1.0
R6PRES	9611	0.96	0.20	0.0	1.0
R7PRES	13083	0.97	0.17	0.0	1.0
R8PRES	10517	0.97	0.18	0.0	1.0
R9PRES	10518	0.96	0.19	0.0	1.0
R10PRES	16031	0.97	0.18	0.0	1.0
R11PRES	10250	0.96	0.19	0.0	1.0
R12PRES	9692	0.96	0.19	0.0	1.0
R13PRES	13700	0.97	0.17	0.0	1.0
S2PRES	3866	0.93	0.25	0.0	1.0
S3PRES	10806	0.95	0.21	0.0	1.0
S4PRES	7481	0.97	0.17	0.0	1.0
S5PRES	5424	0.97	0.18	0.0	1.0
S6PRES	5499	0.97	0.17	0.0	1.0
S7PRES	7935	0.98	0.13	0.0	1.0
S8PRES	6071	0.98	0.15	0.0	1.0
S9PRES	6039	0.98	0.15	0.0	1.0
S10PRES	9477	0.98	0.15	0.0	1.0
S11PRES	5922	0.97	0.16	0.0	1.0
S12PRES	5342	0.97	0.16	0.0	1.0
S13PRES	7293	0.98	0.14	0.0	1.0
R2FPRES	7382	0.00	0.06	0.0	1.0
R3FPRES	16351	0.00	0.04	0.0	1.0
R4FPRES	19341	0.73	0.96	0.0	2.0
R5FPRES	17516	0.92	1.00	0.0	2.0
R6FPRES	16129	0.81	0.98	0.0	2.0
R7FPRES	18327	0.57	0.90	0.0	2.0
R8FPRES	17209	0.78	0.97	0.0	2.0
R9FPRES	16077	0.69	0.95	0.0	2.0
R10FPRES	20652	0.45	0.83	0.0	2.0
R11FPRES	19407	0.94	1.00	0.0	2.0
R12FPRES	17698	0.91	1.00	0.0	2.0
R13FPRES	19971	0.63	0.93	0.0	2.0
S2FPRES	3866	0.00	0.06	0.0	1.0
S3FPRES	10806	0.00	0.04	0.0	1.0
S4FPRES	12573	0.81	0.98	0.0	2.0
S5FPRES	11320	1.04	1.00	0.0	2.0
S6FPRES	10280	0.93	1.00	0.0	2.0
S7FPRES	11769	0.65	0.94	0.0	2.0
S8FPRES	10943	0.89	0.99	0.0	2.0
S9FPRES	9989	0.79	0.98	0.0	2.0
S10FPRES	12696	0.51	0.87	0.0	2.0
S11FPRES	11834	1.00	1.00	0.0	2.0
S12FPRES	10423	0.98	1.00	0.0	2.0
S13FPRES	11253	0.70	0.95	0.0	2.0
R14PRESP	7818	0.94	0.24	0.0	1.0
R15PRESP	7362	0.96	0.20	0.0	1.0
R16PRESP	9524	0.93	0.26	0.0	1.0

S14PRESP	4020	0.95	0.21	0.0	1.0
S15PRESP	3719	0.97	0.17	0.0	1.0
S16PRESP	4481	0.95	0.23	0.0	1.0
R14FPRESP	16483	1.05	1.00	0.0	2.0
R15FPRESP	15002	1.02	1.00	0.0	2.0
R16FPRESP	15201	0.75	0.97	0.0	2.0
S14FPRESP	8974	1.10	0.99	0.0	2.0
S15FPRESP	8058	1.08	1.00	0.0	2.0
S16FPRESP	7520	0.81	0.98	0.0	2.0
R2VP	7382	0.72	0.45	0.0	1.0
R3VP	16351	0.71	0.45	0.0	1.0
R4VP	12330	0.84	0.37	0.0	1.0
R5VP	9503	0.90	0.30	0.0	1.0
R6VP	9611	0.69	0.46	0.0	1.0
R7VP	13083	0.76	0.43	0.0	1.0
R8VP	10517	0.77	0.42	0.0	1.0
R9VP	10518	0.75	0.44	0.0	1.0
R10VP	16031	0.54	0.50	0.0	1.0
R11VP	10250	0.63	0.48	0.0	1.0
R12VP	9692	0.62	0.48	0.0	1.0
R13VP	13700	0.63	0.48	0.0	1.0
S2VP	3866	0.79	0.41	0.0	1.0
S3VP	10806	0.76	0.43	0.0	1.0
S4VP	7481	0.88	0.32	0.0	1.0
S5VP	5424	0.93	0.25	0.0	1.0
S6VP	5499	0.76	0.43	0.0	1.0
S7VP	7935	0.81	0.39	0.0	1.0
S8VP	6071	0.82	0.38	0.0	1.0
S9VP	6039	0.80	0.40	0.0	1.0
S10VP	9477	0.58	0.49	0.0	1.0
S11VP	5922	0.68	0.47	0.0	1.0
S12VP	5342	0.68	0.47	0.0	1.0
S13VP	7293	0.68	0.47	0.0	1.0
R2FVP	7382	0.01	0.09	0.0	1.0
R3FVP	16351	0.00	0.04	0.0	1.0
R4FVP	19341	0.73	0.96	0.0	2.0
R5FVP	17516	0.92	1.00	0.0	2.0
R6FVP	16129	0.81	0.98	0.0	2.0
R7FVP	18327	0.57	0.90	0.0	2.0
R8FVP	17209	0.78	0.97	0.0	2.0
R9FVP	16077	0.69	0.95	0.0	2.0
R10FVP	20652	0.45	0.83	0.0	2.0
R11FVP	19407	0.94	1.00	0.0	2.0
R12FVP	17698	0.91	0.99	0.0	2.0
R13FVP	19971	0.63	0.93	0.0	2.0
S2FVP	3866	0.01	0.08	0.0	1.0
S3FVP	10806	0.00	0.04	0.0	1.0
S4FVP	12573	0.81	0.98	0.0	2.0
S5FVP	11320	1.04	1.00	0.0	2.0
S6FVP	10280	0.93	1.00	0.0	2.0
S7FVP	11769	0.65	0.94	0.0	2.0
S8FVP	10943	0.89	0.99	0.0	2.0
S9FVP	9989	0.79	0.98	0.0	2.0

S10FVP	12696	0.51	0.87	0.0	2.0
S11FVP	11834	1.00	1.00	0.0	2.0
S12FVP	10423	0.98	1.00	0.0	2.0
S13FVP	11253	0.71	0.95	0.0	2.0
R14VPP	7818	0.54	0.50	0.0	1.0
R15VPP	7362	0.68	0.47	0.0	1.0
R16VPP	9524	0.68	0.47	0.0	1.0
S14VPP	4020	0.60	0.49	0.0	1.0
S15VPP	3719	0.75	0.44	0.0	1.0
S16VPP	4481	0.73	0.44	0.0	1.0
R14FVPP	16483	1.05	1.00	0.0	2.0
R15FVPP	15002	1.02	1.00	0.0	2.0
R16FVPP	15201	0.75	0.97	0.0	2.0
S14FVPP	8974	1.10	0.99	0.0	2.0
S15FVPP	8058	1.08	1.00	0.0	2.0
S16FVPP	7520	0.81	0.98	0.0	2.0

Categorical Variable Codes

RwPRES: PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				7011	8013	6518	5244	6692	5559	4621
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW		628	544	475	345	265	239	158	141	153
0.Incorrect		706	1019	520	494	412	369	362	383	549
1.Correct		6676	15332	11810	9009	9199	12714	10155	10135	15482

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.N=Cog not asked (re-IW/ lt	9157	8006	6271			
.Q=Not asked this cohort or						
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Incorrect	390	371	386			
1.Correct	9860	9321	13314			

SwPRES: PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				5092	5896	4781	3834	4872	3950	3219
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	771	1091	1158	1172	1017	661	549	687
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW		326	340	316	252	187	186	131	108	130
0.Incorrect		255	509	217	180	155	134	143	143	231
1.Correct		3611	10297	7264	5244	5344	7801	5928	5896	9246

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.N=Cog not asked (re-IW/ lt	5912	5081	3960			
.Q=Not asked this cohort or						
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Incorrect	161	147	143			
1.Correct	5761	5195	7150			

RwFPRES: IMPFLAG: PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW		628	544	475	345	265	239	158	141	153
0.Not imputed		7351	16324	12307	9477	9601	13066	10490	10498	16016
1.Imputed		31	27	23	26	10	17	27	20	15
2.NA-Not 65+, new IW, alt w				7011	8013	6518	5244	6692	5559	4621

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Not imputed	10231	9677	13668			
1.Imputed	19	15	32			
2.NA-Not 65+, new IW, alt w	9157	8006	6271			

SwFPRES: IMPFLAG: PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	771	1091	1158	1172	1017	661	549	687
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW		326	340	316	252	187	186	131	108	130
0.Not imputed		3854	10791	7465	5413	5494	7928	6056	6026	9468
1.Imputed		12	15	16	11	5	7	15	13	9
2.NA-Not 65+, new IW, alt w				5092	5896	4781	3834	4872	3950	3219

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Not imputed	5909	5334	7283			
1.Imputed	13	8	10			
2.NA-Not 65+, new IW, alt w	5912	5081	3960			

RwPRESP: FTF/TEL PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=Cog not asked (re-IW/ lt										
.S=Proxy IW										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Incorrect										
1.Correct										

Value	w11	w12	w13	w14	w15	w16
.N=Cog not asked (re-IW/ lt				7268	5613	4210
.S=Proxy IW				599	638	527
.W=Web Interview				1397	2027	1467
.X=NR or Proxy all IW				64	83	59
0.Incorrect				500	312	687
1.Correct				7318	7050	8837

SwPRESP: FTF/TEL PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=Cog not asked (re-IW/ lt										
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Incorrect										
1.Correct										

Value	w11	w12	w13	w14	w15	w16
.N=Cog not asked (re-IW/ lt				4053	3057	2169
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.W=Web Interview				901	1282	870
.X=NR or Proxy all IW				58	78	49
0.Incorrect				186	116	245
1.Correct				3834	3603	4236

RwFPRESP: FTF/TEL IMPFLAG: PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										
2.NA-Not 65+, new IW, alt w										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				599	638	527
.X=NR or Proxy all IW				64	83	59
0.Not imputed				7793	7344	9508
1.Imputed				25	18	16
2.NA-Not 65+, new IW, alt w				8665	7640	5677

SwFPRESP: FTF/TEL IMPFLAG: PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										
2.NA-Not 65+, new IW, alt w										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.X=NR or Proxy all IW				58	78	49
0.Not imputed				4013	3709	4478
1.Imputed				7	10	3
2.NA-Not 65+, new IW, alt w				4954	4339	3039

RwVP: VICE PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				7011	8013	6518	5244	6692	5559	4621
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW		628	544	475	345	265	239	158	141	153
0.Incorrect		2093	4723	1975	951	3008	3115	2436	2672	7452
1.Correct		5289	11628	10355	8552	6603	9968	8081	7846	8579

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.N=Cog not asked (re-IW/ lt	9157	8006	6271			
.Q=Not asked this cohort or						
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Incorrect	3804	3648	5068			
1.Correct	6446	6044	8632			

SwVP: VICE PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				5092	5896	4781	3834	4872	3950	3219
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	771	1091	1158	1172	1017	661	549	687
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW		326	340	316	252	187	186	131	108	130
0.Incorrect		821	2621	891	355	1331	1470	1094	1220	4008
1.Correct		3045	8185	6590	5069	4168	6465	4977	4819	5469

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.N=Cog not asked (re-IW/ lt	5912	5081	3960			
.Q=Not asked this cohort or						
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Incorrect	1896	1692	2314			
1.Correct	4026	3650	4979			

RwFVP: IMPFLAG: VICE PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW		628	544	475	345	265	239	158	141	153
0.Not imputed		7327	16323	12306	9478	9598	13063	10490	10500	16011
1.Imputed		55	28	24	25	13	20	27	18	20
2.NA-Not 65+, new IW, alt w				7011	8013	6518	5244	6692	5559	4621

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Not imputed	10230	9669	13660			
1.Imputed	20	23	40			
2.NA-Not 65+, new IW, alt w	9157	8006	6271			

SwFVP: IMPFLAG: VICE PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	771	1091	1158	1172	1017	661	549	687
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=NR or Proxy all IW		326	340	316	252	187	186	131	108	130
0.Not imputed		3840	10791	7465	5414	5494	7927	6056	6028	9462
1.Imputed		26	15	16	10	5	8	15	11	15
2.NA-Not 65+, new IW, alt w				5092	5896	4781	3834	4872	3950	3219

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.Q=Not asked this cohort or						
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Not imputed	5909	5330	7279			
1.Imputed	13	12	14			
2.NA-Not 65+, new IW, alt w	5912	5081	3960			

RwVPP: FTF/TEL VICE PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=Cog not asked (re-IW/ lt										
.S=Proxy IW										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Incorrect										
1.Correct										

Value	w11	w12	w13	w14	w15	w16
.N=Cog not asked (re-IW/ lt				7268	5613	4210
.S=Proxy IW				599	638	527
.W=Web Interview				1397	2027	1467
.X=NR or Proxy all IW				64	83	59
0.Incorrect				3587	2355	3037
1.Correct				4231	5007	6487

SwVPP: FTF/TEL VICE PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=Cog not asked (re-IW/ lt										
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.W=Web Interview										
.X=NR or Proxy all IW										
0.Incorrect										
1.Correct										

Value	w11	w12	w13	w14	w15	w16
.N=Cog not asked (re-IW/ lt				4053	3057	2169
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.W=Web Interview				901	1282	870
.X=NR or Proxy all IW				58	78	49
0.Incorrect				1594	948	1212
1.Correct				2426	2771	3269

RwFVPP: FTF/TEL IMPFLAG: VICE PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										
2.NA-Not 65+, new IW, alt w										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				599	638	527
.X=NR or Proxy all IW				64	83	59
0.Not imputed				7801	7344	9504
1.Imputed				17	18	20
2.NA-Not 65+, new IW, alt w				8665	7640	5677

SwFVPP: FTF/TEL IMPFLAG: VICE PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										
2.NA-Not 65+, new IW, alt w										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.X=NR or Proxy all IW				58	78	49
0.Not imputed				4015	3712	4473
1.Imputed				5	7	8
2.NA-Not 65+, new IW, alt w				4954	4339	3039

Format Reference Tables – complete variable value labels

Variables: CACT, CACTP, DW, DWP, DY, DYP, MO, MOP, PRES, PRESP, SCIS, SCISP, VP, VPP, YR, YRP
.C=HRS-AHD ovrlap
.M=Oth missing
.N=Cog not asked (re-IW/ lt 65)
.P=FTF/Tel Interview
.Q=Not asked this cohort or wv
.S=Proxy IW
.U=Unmarried
.V=Spouse NR
.W=Web Interview
.X=NR or Proxy all IW
0.Incorrect
1.Correct

Variables: FBWC20, FBWC20P, FBWC20W, FBWC86, FCACT, FCACTP, FDLRC, FDLRCP, FDLRCW, FDW, FDWP, FDY, FDYP, FIMRC, FIMRCP, FIMRCW, FMO, FMOP, FPRES, FPRESP, FPSTME
.C=HRS-AHD ovrlap
.M=Oth missing
.N=Cog not asked (re-IW/ lt 65)
.P=FTF/Tel Interview
.Q=Not asked this cohort or wv
.S=Proxy IW
.U=Unmarried
.V=Spouse NR
.W=Web Interview
.X=NR or Proxy all IW
0.Not imputed
1.Imputed
2.NA-Not 65+, new IW, alt wv, web IW

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are typically calculated only for the final release data. Note that for Waves 14 forward, some cognition measures collected via Web interviews differed in their implementation, measurement, or collection method. Due to these differences, these cognition variables are separated into two measures: one ending in [P] for Face-to-Face/Telephone interviews and one ending in [W] for Web interviews. For some variables, only the [P] for Face-to-Face/Telephone interviews measure is provided. Please review the HRS documentation linked below and the specific variable documentation, when applicable, in this documentation section.

Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2022) (Final Version V2.0) Data Description (HRS Staff, March 2026) on the HRS website for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

RwPRES, RwPRESP, RwVP, and RwVPP indicate whether the Respondent was able to correctly name the current president and vice-president of the United States, respectively. RwPRES and RwVP provide this information from Wave 2 to Wave 13 and RwPRESP and RwVPP provide this information from Wave 14 forward.

Each of these variables is coded "1" for a correct answer and "0" for an incorrect answer. From Wave 4 forward, the question is only asked of new interviewees and re-interviewees who are 65 or older. If the question was skipped because the Respondent is younger than 65, then special missing value .N is assigned. From Wave 14 forward, the questions are skipped for Web interviews. If the question was skipped because of a Web interview, then special missing value .W is assigned. The variable rename in Wave 14 forward, from RwPRES and RwVP to RwPRESP and RwVPP, reinforces this change.

RwFPRES, RwFPRESP, RwFVP, and RwFVPP indicate whether the values were imputed (=1) or not (=0). They have a value of "2" if the question was skipped because the Respondent is a re-interviewee younger than 65 or was a Web interviewee. In Wave 5, the rate of correct answers increased, perhaps because Wave 5 (2000) was an election year, and the incumbent vice president was running for president. RwFPRES and RwFVP provide this information from Wave 2 to Wave 13 and RwFPRESP and RwFVPP provide this information from Wave 14 forward. From Wave 14 forward, the questions are skipped for Web interviews and a value of "2" is assigned.

This task was not given to anyone in Waves 1 and 2H. In Wave 2H, R2PRES, R2VP, R2FPRES, and R2FVP are set to special missing .Q to indicate that they are missing for all HRS Respondents.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

The Sw president and vice-president naming variables were taken from the respective Rw variables for the Wave "w" spouse.

Cross Wave Differences in Original HRS Data

These questions were not asked in Waves 1 and 2H. From Wave 4 forward, they are only asked of new interviewees and re-interviewees who are 65 or older.

From Wave 14 forward, the questions are skipped for Web interviews. See the General Comments and How Constructed sections above for more information.

Imputed Cognition: Vocabulary

Wave	Variable	Label	Type
3	R3VOCAB	R3VOCAB:W3 VOCAB SUM SCORE	Categ
4	R4VOCAB	R4VOCAB:W4 VOCAB SUM SCORE	Categ
5	R5VOCAB	R5VOCAB:W5 VOCAB SUM SCORE	Categ
6	R6VOCAB	R6VOCAB:W6 VOCAB SUM SCORE	Categ
7	R7VOCAB	R7VOCAB:W7 VOCAB SUM SCORE	Categ
8	R8VOCAB	R8VOCAB:W8 VOCAB SUM SCORE	Categ
9	R9VOCAB	R9VOCAB:W9 VOCAB SUM SCORE	Categ
10	R10VOCAB	R10VOCAB:W10 VOCAB SUM SCORE	Categ
11	R11VOCAB	R11VOCAB:W11 VOCAB SUM SCORE	Categ
12	R12VOCAB	R12VOCAB:W12 VOCAB SUM SCORE	Categ
13	R13VOCAB	R13VOCAB:W13 VOCAB SUM SCORE	Categ
3	S3VOCAB	S3VOCAB:W3 VOCAB SUM SCORE	Categ
4	S4VOCAB	S4VOCAB:W4 VOCAB SUM SCORE	Categ
5	S5VOCAB	S5VOCAB:W5 VOCAB SUM SCORE	Categ
6	S6VOCAB	S6VOCAB:W6 VOCAB SUM SCORE	Categ
7	S7VOCAB	S7VOCAB:W7 VOCAB SUM SCORE	Categ
8	S8VOCAB	S8VOCAB:W8 VOCAB SUM SCORE	Categ
9	S9VOCAB	S9VOCAB:W9 VOCAB SUM SCORE	Categ
10	S10VOCAB	S10VOCAB:W10 VOCAB SUM SCORE	Categ
11	S11VOCAB	S11VOCAB:W11 VOCAB SUM SCORE	Categ
12	S12VOCAB	S12VOCAB:W12 VOCAB SUM SCORE	Categ
13	S13VOCAB	S13VOCAB:W13 VOCAB SUM SCORE	Categ
3	R3FVOCAB	R3FVOCAB:W3 IMPFLAG: VOCAB SUM SCORE	Categ
4	R4FVOCAB	R4FVOCAB:W4 IMPFLAG: VOCAB SUM SCORE	Categ
5	R5FVOCAB	R5FVOCAB:W5 IMPFLAG: VOCAB SUM SCORE	Categ
6	R6FVOCAB	R6FVOCAB:W6 IMPFLAG: VOCAB SUM SCORE	Categ
7	R7FVOCAB	R7FVOCAB:W7 IMPFLAG: VOCAB SUM SCORE	Categ
8	R8FVOCAB	R8FVOCAB:W8 IMPFLAG: VOCAB SUM SCORE	Categ
9	R9FVOCAB	R9FVOCAB:W9 IMPFLAG: VOCAB SUM SCORE	Categ
10	R10FVOCAB	R10FVOCAB:W10 IMPFLAG: VOCAB SUM SCORE	Categ
11	R11FVOCAB	R11FVOCAB:W11 IMPFLAG: VOCAB SUM SCORE	Categ
12	R12FVOCAB	R12FVOCAB:W12 IMPFLAG: VOCAB SUM SCORE	Categ
13	R13FVOCAB	R13FVOCAB:W13 IMPFLAG: VOCAB SUM SCORE	Categ
3	S3FVOCAB	S3FVOCAB:W3 IMPFLAG: VOCAB SUM SCORE	Categ
4	S4FVOCAB	S4FVOCAB:W4 IMPFLAG: VOCAB SUM SCORE	Categ
5	S5FVOCAB	S5FVOCAB:W5 IMPFLAG: VOCAB SUM SCORE	Categ
6	S6FVOCAB	S6FVOCAB:W6 IMPFLAG: VOCAB SUM SCORE	Categ
7	S7FVOCAB	S7FVOCAB:W7 IMPFLAG: VOCAB SUM SCORE	Categ
8	S8FVOCAB	S8FVOCAB:W8 IMPFLAG: VOCAB SUM SCORE	Categ
9	S9FVOCAB	S9FVOCAB:W9 IMPFLAG: VOCAB SUM SCORE	Categ
10	S10FVOCAB	S10FVOCAB:W10 IMPFLAG: VOCAB SUM SCORE	Categ
11	S11FVOCAB	S11FVOCAB:W11 IMPFLAG: VOCAB SUM SCORE	Categ
12	S12FVOCAB	S12FVOCAB:W12 IMPFLAG: VOCAB SUM SCORE	Categ
13	S13FVOCAB	S13FVOCAB:W13 IMPFLAG: VOCAB SUM SCORE	Categ
14	R14VOCABP	R14VOCABP:W14 FTF/TEL VOCAB SUM SCORE	Categ
15	R15VOCABP	R15VOCABP:W15 FTF/TEL VOCAB SUM SCORE	Categ
16	R16VOCABP	R16VOCABP:W16 FTF/TEL VOCAB SUM SCORE	Categ
14	S14VOCABP	S14VOCABP:W14 FTF/TEL VOCAB SUM SCORE	Categ
15	S15VOCABP	S15VOCABP:W15 FTF/TEL VOCAB SUM SCORE	Categ
16	S16VOCABP	S16VOCABP:W16 FTF/TEL VOCAB SUM SCORE	Categ
14	R14FVOCABP	R14FVOCABP:W14 FTF/TEL IMPFLAG: VOCAB SUM SCORE	Categ
15	R15FVOCABP	R15FVOCABP:W15 FTF/TEL IMPFLAG: VOCAB SUM SCORE	Categ
16	R16FVOCABP	R16FVOCABP:W16 FTF/TEL IMPFLAG: VOCAB SUM SCORE	Categ
14	S14FVOCABP	S14FVOCABP:W14 FTF/TEL IMPFLAG: VOCAB SUM SCORE	Categ
15	S15FVOCABP	S15FVOCABP:W15 FTF/TEL IMPFLAG: VOCAB SUM SCORE	Categ
16	S16FVOCABP	S16FVOCABP:W16 FTF/TEL IMPFLAG: VOCAB SUM SCORE	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3VOCAB	16351	5.29	2.16	0.0	10.0
R4VOCAB	12330	5.57	2.12	0.0	10.0
R5VOCAB	9503	5.47	2.11	0.0	10.0
R6VOCAB	9611	5.51	2.06	0.0	10.0
R7VOCAB	3261	5.67	2.08	0.0	10.0
R8VOCAB	10517	5.45	2.07	0.0	10.0
R9VOCAB	124	5.62	2.11	1.0	10.0
R10VOCAB	16031	5.44	2.10	0.0	10.0
R11VOCAB	463	5.32	2.08	0.0	10.0
R12VOCAB	168	4.86	2.18	0.0	10.0
R13VOCAB	4504	5.42	2.18	0.0	10.0
S3VOCAB	10806	5.43	2.08	0.0	10.0
S4VOCAB	7481	5.69	2.05	0.0	10.0
S5VOCAB	5424	5.67	2.02	0.0	10.0
S6VOCAB	5499	5.65	2.00	0.0	10.0
S7VOCAB	2278	5.71	2.03	0.0	10.0
S8VOCAB	6071	5.55	2.00	0.0	10.0
S9VOCAB	122	5.63	2.12	1.0	10.0
S10VOCAB	9477	5.52	2.07	0.0	10.0
S11VOCAB	396	5.23	2.11	0.0	10.0
S12VOCAB	157	4.94	2.16	0.0	10.0
S13VOCAB	2462	5.51	2.20	0.0	10.0
R3FVOCAB	16351	0.01	0.07	0.0	1.0
R4FVOCAB	19341	0.73	0.96	0.0	2.0
R5FVOCAB	17516	0.91	0.99	0.0	2.0
R6FVOCAB	16129	0.82	0.98	0.0	2.0
R7FVOCAB	18327	1.64	0.76	0.0	2.0
R8FVOCAB	17209	0.78	0.97	0.0	2.0
R9FVOCAB	16077	1.98	0.17	0.0	2.0
R10FVOCAB	20652	0.45	0.83	0.0	2.0
R11FVOCAB	19407	1.95	0.30	0.0	2.0
R12FVOCAB	17698	1.98	0.19	0.0	2.0
R13FVOCAB	19971	1.55	0.83	0.0	2.0
S3FVOCAB	10806	0.00	0.06	0.0	1.0
S4FVOCAB	12573	0.81	0.98	0.0	2.0
S5FVOCAB	11320	1.04	1.00	0.0	2.0
S6FVOCAB	10280	0.94	0.99	0.0	2.0
S7FVOCAB	11769	1.61	0.79	0.0	2.0
S8FVOCAB	10943	0.90	0.99	0.0	2.0
S9FVOCAB	9989	1.98	0.22	0.0	2.0
S10FVOCAB	12696	0.51	0.87	0.0	2.0
S11FVOCAB	11834	1.93	0.36	0.0	2.0
S12FVOCAB	10423	1.97	0.24	0.0	2.0
S13FVOCAB	11253	1.56	0.82	0.0	2.0
R14VOCABP	196	5.20	2.13	0.0	10.0
R15VOCABP	156	5.43	2.33	0.0	10.0
R16VOCABP	2747	5.35	2.28	0.0	10.0
S14VOCABP	179	5.25	2.14	0.0	10.0
S15VOCABP	141	5.45	2.32	0.0	10.0
S16VOCABP	1214	5.47	2.24	0.0	10.0

R14FVOCABP	16483	1.98	0.22	0.0	2.0
R15FVOCABP	15002	1.98	0.20	0.0	2.0
R16FVOCABP	15201	1.64	0.77	0.0	2.0
S14FVOCABP	8974	1.96	0.28	0.0	2.0
S15FVOCABP	8058	1.97	0.26	0.0	2.0
S16FVOCABP	7520	1.68	0.73	0.0	2.0

Categorical Variable Codes

RwVOCAB: VOCAB SUM SCORE

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				7011	8013	6518	15066	6692	15953	4621
.S=Proxy IW			1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW			544	475	345	265	239	158	141	153
0			524	275	215	164	60	223		353
1			379	269	220	220	60	237	3	363
2			625	441	344	365	95	382	4	606
3			1832	1048	902	811	247	907	15	1427
4			2116	1518	1219	1259	417	1461	17	2269
5			2808	1998	1532	1690	568	1845	18	2871
6			3029	2362	1913	1920	659	2028	29	2989
7			2650	2249	1627	1606	512	1803	10	2583
8			1493	1344	962	1014	394	1044	17	1539
9			699	607	432	395	185	452	7	776
10			196	219	137	167	64	135	4	255

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.N=Cog not asked (re-IW/ lt	18944	17530	15467			
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0	8	9	88			
1	14	5	122			
2	21	5	192			
3	40	20	467			
4	71	32	608			
5	91	34	779			
6	71	26	815			
7	82	17	637			
8	40	14	447			
9	20	4	247			
10	5	2	102			

SwVOCAB: VOCAB SUM SCORE

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				5092	5896	4781	9491	4872	9867	3219
.S=Proxy IW			771	1091	1158	1172	1017	661	549	687
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
.X=NR or Proxy all IW			340	316	252	187	186	131	108	130
0			259	118	94	71	34	92		162
1			198	137	84	98	40	113	3	182
2			365	235	140	179	67	210	4	342
3			1143	598	469	427	166	493	15	828
4			1380	899	675	702	275	829	16	1348
5			1897	1229	847	949	404	1075	18	1710
6			2051	1484	1135	1130	468	1202	28	1735
7			1844	1401	1019	986	383	1090	10	1579
8			1053	859	620	617	273	632	17	947
9			488	387	256	242	128	263	7	485
10			128	134	85	98	40	72	4	159

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.N=Cog not asked (re-IW/ lt	11438	10266	8791			
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0	8	8	50			
1	14	4	61			
2	20	4	98			
3	34	17	244			
4	63	31	317			
5	77	33	416			
6	57	24	435			
7	68	16	364			
8	36	14	271			
9	16	4	148			
10	3	2	58			

RwFVOCAB: IMPFLAG: VOCAB SUM SCORE

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.S=Proxy IW			1096	1568	1717	1771	1563	1102	999	1229
.X=NR or Proxy all IW			544	475	345	265	239	158	141	153
0.Not imputed			16264	12249	9468	9477	3258	10409	123	15954
1.Imputed			87	81	92	134	3	108	1	77
2.NA-Not 65+, new IW, alt w				7011	7956	6518	15066	6692	15953	4621

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.S=Proxy IW	1006	937	830			
.X=NR or Proxy all IW	140	112	111			
0.Not imputed	457	166	4453			
1.Imputed	6	2	51			
2.NA-Not 65+, new IW, alt w	18944	17530	15467			

SwFVOCAB: IMPFLAG: VOCAB SUM SCORE

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.S=Proxy IW			771	1091	1158	1172	1017	661	549	687
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
.X=NR or Proxy all IW			340	316	252	187	186	131	108	130
0.Not imputed			10763	7434	5433	5429	2275	6017	121	9436
1.Imputed			43	47	39	70	3	54	1	41
2.NA-Not 65+, new IW, alt w				5092	5848	4781	9491	4872	9867	3219

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	1					
.S=Proxy IW	534	496	424			
.U=Unmarried	7473	7125	8024			
.V=Spouse NR	597	610	1109			
.X=NR or Proxy all IW	115	93	102			
0.Not imputed	392	155	2439			
1.Imputed	4	2	23			
2.NA-Not 65+, new IW, alt w	11438	10266	8791			

RwVOCABP: FTF/TEL VOCAB SUM SCORE

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=Cog not asked (re-IW/ lt										
.S=Proxy IW										
.W=Web Interview										
.X=NR or Proxy all IW										
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

Value	w11	w12	w13	w14	w15	w16
.N=Cog not asked (re-IW/ lt				14890	12819	10987
.S=Proxy IW				599	638	527
.W=Web Interview				1397	2027	1467
.X=NR or Proxy all IW				64	83	59
0				4	4	80
1				1	5	89
2				13	6	134
3				26	21	251
4				32	16	396
5				34	26	448
6				34	25	448
7				22	19	412
8				16	19	262
9				10	12	173
10				4	3	54

SwVOCABP: FTF/TEL VOCAB SUM SCORE

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=Cog not asked (re-IW/ lt										
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.W=Web Interview										
.X=NR or Proxy all IW										
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

Value	w11	w12	w13	w14	w15	w16
.N=Cog not asked (re-IW/ lt				7894	6635	5436
.S=Proxy IW				326	341	271

.U=Unmarried	6678	6193	6541
.V=Spouse NR	1110	1053	1406
.W=Web Interview	901	1282	870
.X=NR or Proxy all IW	58	78	49
0	4	3	26
1	1	5	38
2	10	5	60
3	23	19	98
4	29	15	166
5	33	24	205
6	31	21	210
7	19	18	185
8	15	17	116
9	10	12	82
10	4	2	28

RwFVOCABP: FTF/TEL IMPFLAG: VOCAB SUM SCORE

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										
2.NA-Not 65+, new IW, alt w										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				599	638	527
.X=NR or Proxy all IW				64	83	59
0.Not imputed				195	149	2727
1.Imputed				1	7	20
2.NA-Not 65+, new IW, alt w				16287	14846	12454

SwFVOCABP: FTF/TEL IMPFLAG: VOCAB SUM SCORE

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW										
.U=Unmarried										
.V=Spouse NR										
.X=NR or Proxy all IW										
0.Not imputed										
1.Imputed										
2.NA-Not 65+, new IW, alt w										

Value	w11	w12	w13	w14	w15	w16
.S=Proxy IW				326	341	271
.U=Unmarried				6678	6193	6541
.V=Spouse NR				1110	1053	1406
.X=NR or Proxy all IW				58	78	49
0.Not imputed				178	137	1208
1.Imputed				1	4	6
2.NA-Not 65+, new IW, alt w				8795	7917	6306

Format Reference Tables – complete variable value labels

Variables: VOCAB, VOCABP	Variables: FBWC20, FBWC20P, FBWC20W, FBWC86, FCACT, FCACTP, FDLRC, FDLRCP, FDLRCW, FDW, FDWP, FDY, FDYP, FIMRC, FIMRCP, FIMRCW, FMO, FMOP, FPRES, FPRESP, FPSTME
.C=HRS-AHD ovrlap	.C=HRS-AHD ovrlap
.M=Oth missing	.M=Oth missing
.N=Cog not asked (re-IW/ lt 65)	.N=Cog not asked (re-IW/ lt 65)
.Q=Not asked this cohort or wv	.P=FTF/Tel Interview
.S=Proxy IW	.Q=Not asked this cohort or wv
.U=Unmarried	.S=Proxy IW
.V=Spouse NR	.U=Unmarried
.W=Web Interview	.V=Spouse NR
.X=NR or Proxy all IW	.W=Web Interview
	.X=NR or Proxy all IW
	0.Not imputed
	1.Imputed
	2.NA-Not 65+, new IW, alt wv, web IW

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are typically calculated only for the final release data. Note that for Waves 14 forward, some cognition measures collected via Web interviews differed in their implementation, measurement, or collection method. Due to these differences, these cognition variables are separated into two measures: one ending in [P] for Face-to-Face/Telephone interviews and one ending in [W] for Web interviews. For some variables, only the [P] for Face-to-Face/Telephone interviews measure is provided. Please review the HRS documentation linked below and the specific variable documentation, when applicable, in this documentation section.

Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2022) (Final Version V2.0) Data Description (HRS Staff, March 2026) on the HRS website for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

RwVOCAB and RwVOCABP score the Respondents ability to provide definitions of five given words. RwVOCAB provides this information from Wave 3 to Wave 13 and RwVOCABP provides this information from Wave 14 forward.

There are two sets of words, one of which is randomly assigned at the Respondent's first interview. The two sets are then alternated in subsequent waves. The two word sets are: 1) repair, fabric, domestic, remorse, plagiarize; and 2) conceal, enormous, perimeter, compassion, audacious.

These questions were asked from Wave 3 forward. From Wave 4 to Wave 11, it is only given to new interviewees and re-interviewees who are 65 or older. From Wave 7 to Wave 11, the vocabulary questions are are skipped in odd waves (Waves 7,9, and 11) for re-interviewees. From Wave 12 forward, the vocabulary questions are only asked to new Respondents. From Wave 14 forward, the vocabulary questions are not asked to Web interviewees.

The possible scores for each word are perfectly correct (=2), partially correct (=1), and incorrect (0). RwVOCAB/RwVOCABP is the sum of scores over the five words. If this task was skipped because the Respondent is a re-interviewee younger than 65, then special missing value .N is assigned. From Wave 14 forward, if this task was skipped because the Respondent is a Web interviewee, then special missing value .W is assigned to RwVOCABP.

RwFVOCAB and RwFVOCABP indicate whether the values were imputed (=1) or not (=0). It has a value of 2 if the question was skipped because the Respondent is a re-interviewee younger than 65 or was a Web interviewee. RwFVOCAB provides this information from Wave 3 to Wave 13 and RwFVOCABP provides this information from Wave 14 forward. From Wave 14 forward, the

question is skipped for Web interviews and a value of "2" is assigned.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

SwVOCAB and SwFVOCAB were taken from the respective Rw variables for the Wave "w" spouse.

Cross Wave Differences in Original HRS Data

This task was not given in Waves 1 and 2, but is given in all later waves. From Wave 4 to Wave 11, it is only given to new interviewees and re-interviewees who are 65 or older. From Wave 7 to Wave 11, the vocabulary questions are are skipped in odd waves (Waves 7,9, and 11) for re-interviewees. From Wave 12 forward, the vocabulary questions are only asked to new Respondents. From Wave 14 forward, the vocabulary questions are not asked to Web interviewees (See the General Comments and How Constructed sections above for more information).

Imputed Cognition: Summary Scores

Wave	Variable	Label	Type
1	R1TR40	R1TR40: W1 TOTAL WORD RECALL SUMMARY SCORE	Cont
1	S1TR40	S1TR40: W1 TOTAL WORD RECALL SUMMARY SCORE	Cont
2	R2ATR20	R2ATR20: W2 AHD WORD TOTAL RECALL SUMMARY SCORE	Cont
2	S2ATR20	S2ATR20: W2 AHD WORD TOTAL RECALL SUMMARY SCORE	Cont
2	R2HTR40	R2HTR40: W2 HRS WORD TOTAL RECALL SUMMARY SCORE	Cont
2	S2HTR40	S2HTR40: W2 HRS WORD TOTAL RECALL SUMMARY SCORE	Cont
3	R3TR20	R3TR20: W3 TOTAL WORD RECALL SUMMARY SCORE	Cont
4	R4TR20	R4TR20: W4 TOTAL WORD RECALL SUMMARY SCORE	Cont
5	R5TR20	R5TR20: W5 TOTAL WORD RECALL SUMMARY SCORE	Cont
6	R6TR20	R6TR20: W6 TOTAL WORD RECALL SUMMARY SCORE	Cont
7	R7TR20	R7TR20: W7 TOTAL WORD RECALL SUMMARY SCORE	Cont
8	R8TR20	R8TR20: W8 TOTAL WORD RECALL SUMMARY SCORE	Cont
9	R9TR20	R9TR20: W9 TOTAL WORD RECALL SUMMARY SCORE	Cont
10	R10TR20	R10TR20: W10 TOTAL WORD RECALL SUMMARY SCORE	Cont
11	R11TR20	R11TR20: W11 TOTAL WORD RECALL SUMMARY SCORE	Cont
12	R12TR20	R12TR20: W12 TOTAL WORD RECALL SUMMARY SCORE	Cont
13	R13TR20	R13TR20: W13 TOTAL WORD RECALL SUMMARY SCORE	Cont
3	S3TR20	S3TR20: W3 TOTAL WORD RECALL SUMMARY SCORE	Cont
4	S4TR20	S4TR20: W4 TOTAL WORD RECALL SUMMARY SCORE	Cont
5	S5TR20	S5TR20: W5 TOTAL WORD RECALL SUMMARY SCORE	Cont
6	S6TR20	S6TR20: W6 TOTAL WORD RECALL SUMMARY SCORE	Cont
7	S7TR20	S7TR20: W7 TOTAL WORD RECALL SUMMARY SCORE	Cont
8	S8TR20	S8TR20: W8 TOTAL WORD RECALL SUMMARY SCORE	Cont
9	S9TR20	S9TR20: W9 TOTAL WORD RECALL SUMMARY SCORE	Cont
10	S10TR20	S10TR20: W10 TOTAL WORD RECALL SUMMARY SCORE	Cont
11	S11TR20	S11TR20: W11 TOTAL WORD RECALL SUMMARY SCORE	Cont
12	S12TR20	S12TR20: W12 TOTAL WORD RECALL SUMMARY SCORE	Cont
13	S13TR20	S13TR20: W13 TOTAL WORD RECALL SUMMARY SCORE	Cont
14	R14TR20P	R14TR20P: W14 FTF/TEL TOTAL WORD RECALL SUMMARY SCORE	Cont
15	R15TR20P	R15TR20P: W15 FTF/TEL TOTAL WORD RECALL SUMMARY SCORE	Cont
16	R16TR20P	R16TR20P: W16 FTF/TEL TOTAL WORD RECALL SUMMARY SCORE	Cont
14	S14TR20P	S14TR20P: W14 FTF/TEL TOTAL WORD RECALL SUMMARY SCORE	Cont
15	S15TR20P	S15TR20P: W15 FTF/TEL TOTAL WORD RECALL SUMMARY SCORE	Cont
16	S16TR20P	S16TR20P: W16 FTF/TEL TOTAL WORD RECALL SUMMARY SCORE	Cont
14	R14TR20W	R14TR20W: W14 WEB TOTAL WORD RECALL SUMMARY SCORE	Cont
15	R15TR20W	R15TR20W: W15 WEB TOTAL WORD RECALL SUMMARY SCORE	Cont
16	R16TR20W	R16TR20W: W16 WEB TOTAL WORD RECALL SUMMARY SCORE	Cont
14	S14TR20W	S14TR20W: W14 WEB TOTAL WORD RECALL SUMMARY SCORE	Cont
15	S15TR20W	S15TR20W: W15 WEB TOTAL WORD RECALL SUMMARY SCORE	Cont
16	S16TR20W	S16TR20W: W16 WEB TOTAL WORD RECALL SUMMARY SCORE	Cont
2	R2AMSTOT	R2AMSTOT: W2 AHD MENTAL STATUS SUMMARY SCORE	Cont
2	S2AMSTOT	S2AMSTOT: W2 AHD MENTAL STATUS SUMMARY SCORE	Cont
2	R2ACGTOT	R2ACGTOT:W2 AHD TOTAL COGNITION SUMMARY SCORE	Cont
2	S2ACGTOT	S2ACGTOT:W2 AHD TOTAL COGNITION SUMMARY SCORE	Cont
3	R3MSTOT	R3MSTOT: W3 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
4	R4MSTOT	R4MSTOT: W4 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
5	R5MSTOT	R5MSTOT: W5 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
6	R6MSTOT	R6MSTOT: W6 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
7	R7MSTOT	R7MSTOT: W7 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
8	R8MSTOT	R8MSTOT: W8 TOTAL MENTAL STATUS SUMMARY SCORE	Cont

9	R9MSTOT	R9MSTOT: W9 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
10	R10MSTOT	R10MSTOT: W10 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
11	R11MSTOT	R11MSTOT: W11 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
12	R12MSTOT	R12MSTOT: W12 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
13	R13MSTOT	R13MSTOT: W13 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
3	S3MSTOT	S3MSTOT: W3 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
4	S4MSTOT	S4MSTOT: W4 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
5	S5MSTOT	S5MSTOT: W5 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
6	S6MSTOT	S6MSTOT: W6 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
7	S7MSTOT	S7MSTOT: W7 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
8	S8MSTOT	S8MSTOT: W8 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
9	S9MSTOT	S9MSTOT: W9 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
10	S10MSTOT	S10MSTOT: W10 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
11	S11MSTOT	S11MSTOT: W11 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
12	S12MSTOT	S12MSTOT: W12 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
13	S13MSTOT	S13MSTOT: W13 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
14	R14MSTOTP	R14MSTOTP: W14 FTF/TEL TOTAL MENTAL STATUS SUMMARY SCORE	Cont
15	R15MSTOTP	R15MSTOTP: W15 FTF/TEL TOTAL MENTAL STATUS SUMMARY SCORE	Cont
16	R16MSTOTP	R16MSTOTP: W16 FTF/TEL TOTAL MENTAL STATUS SUMMARY SCORE	Cont
14	S14MSTOTP	S14MSTOTP: W14 FTF/TEL TOTAL MENTAL STATUS SUMMARY SCORE	Cont
15	S15MSTOTP	S15MSTOTP: W15 FTF/TEL TOTAL MENTAL STATUS SUMMARY SCORE	Cont
16	S16MSTOTP	S16MSTOTP: W16 FTF/TEL TOTAL MENTAL STATUS SUMMARY SCORE	Cont
3	R3COGTOT	R3COGTOT: W3 TOTAL COGNITION SUMMARY SCORE	Cont
4	R4COGTOT	R4COGTOT: W4 TOTAL COGNITION SUMMARY SCORE	Cont
5	R5COGTOT	R5COGTOT: W5 TOTAL COGNITION SUMMARY SCORE	Cont
6	R6COGTOT	R6COGTOT: W6 TOTAL COGNITION SUMMARY SCORE	Cont
7	R7COGTOT	R7COGTOT: W7 TOTAL COGNITION SUMMARY SCORE	Cont
8	R8COGTOT	R8COGTOT: W8 TOTAL COGNITION SUMMARY SCORE	Cont
9	R9COGTOT	R9COGTOT: W9 TOTAL COGNITION SUMMARY SCORE	Cont
10	R10COGTOT	R10COGTOT: W10 TOTAL COGNITION SUMMARY SCORE	Cont
11	R11COGTOT	R11COGTOT: W11 TOTAL COGNITION SUMMARY SCORE	Cont
12	R12COGTOT	R12COGTOT: W12 TOTAL COGNITION SUMMARY SCORE	Cont
13	R13COGTOT	R13COGTOT: W13 TOTAL COGNITION SUMMARY SCORE	Cont
3	S3COGTOT	S3COGTOT: W3 TOTAL COGNITION SUMMARY SCORE	Cont
4	S4COGTOT	S4COGTOT: W4 TOTAL COGNITION SUMMARY SCORE	Cont
5	S5COGTOT	S5COGTOT: W5 TOTAL COGNITION SUMMARY SCORE	Cont
6	S6COGTOT	S6COGTOT: W6 TOTAL COGNITION SUMMARY SCORE	Cont
7	S7COGTOT	S7COGTOT: W7 TOTAL COGNITION SUMMARY SCORE	Cont
8	S8COGTOT	S8COGTOT: W8 TOTAL COGNITION SUMMARY SCORE	Cont
9	S9COGTOT	S9COGTOT: W9 TOTAL COGNITION SUMMARY SCORE	Cont
10	S10COGTOT	S10COGTOT: W10 TOTAL COGNITION SUMMARY SCORE	Cont
11	S11COGTOT	S11COGTOT: W11 TOTAL COGNITION SUMMARY SCORE	Cont
12	S12COGTOT	S12COGTOT: W12 TOTAL COGNITION SUMMARY SCORE	Cont
13	S13COGTOT	S13COGTOT: W13 TOTAL COGNITION SUMMARY SCORE	Cont
14	R14COGTOTP	R14COGTOTP: W14 FTF/TEL TOTAL COGNITION SUMMARY SCORE	Cont
15	R15COGTOTP	R15COGTOTP: W15 FTF/TEL TOTAL COGNITION SUMMARY SCORE	Cont
16	R16COGTOTP	R16COGTOTP: W16 FTF/TEL TOTAL COGNITION SUMMARY SCORE	Cont
14	S14COGTOTP	S14COGTOTP: W14 FTF/TEL TOTAL COGNITION SUMMARY SCORE	Cont
15	S15COGTOTP	S15COGTOTP: W15 FTF/TEL TOTAL COGNITION SUMMARY SCORE	Cont
16	S16COGTOTP	S16COGTOTP: W16 FTF/TEL TOTAL COGNITION SUMMARY SCORE	Cont
3	R3COG27	R3COG27:W3 27-POINT COGNITION SUMMARY SCORE	Cont
4	R4COG27	R4COG27:W4 27-POINT COGNITION SUMMARY SCORE	Cont
5	R5COG27	R5COG27:W5 27-POINT COGNITION SUMMARY SCORE	Cont
6	R6COG27	R6COG27:W6 27-POINT COGNITION SUMMARY SCORE	Cont
7	R7COG27	R7COG27:W7 27-POINT COGNITION SUMMARY SCORE	Cont
8	R8COG27	R8COG27:W8 27-POINT COGNITION SUMMARY SCORE	Cont
9	R9COG27	R9COG27:W9 27-POINT COGNITION SUMMARY SCORE	Cont
10	R10COG27	R10COG27:W10 27-POINT COGNITION SUMMARY SCORE	Cont
11	R11COG27	R11COG27:W11 27-POINT COGNITION SUMMARY SCORE	Cont
12	R12COG27	R12COG27:W12 27-POINT COGNITION SUMMARY SCORE	Cont
13	R13COG27	R13COG27:W13 27-POINT COGNITION SUMMARY SCORE	Cont
14	R14COG27	R14COG27:W14 27-POINT MODE-ADJUSTED COGNITION SUMMARY SCORE	Cont
15	R15COG27	R15COG27:W15 27-POINT MODE-ADJUSTED COGNITION SUMMARY SCORE	Cont
16	R16COG27	R16COG27:W16 27-POINT MODE-ADJUSTED COGNITION SUMMARY SCORE	Cont

3	S3COG27	S3COG27:W3 27-POINT COGNITION SUMMARY SCORE	Cont
4	S4COG27	S4COG27:W4 27-POINT COGNITION SUMMARY SCORE	Cont
5	S5COG27	S5COG27:W5 27-POINT COGNITION SUMMARY SCORE	Cont
6	S6COG27	S6COG27:W6 27-POINT COGNITION SUMMARY SCORE	Cont
7	S7COG27	S7COG27:W7 27-POINT COGNITION SUMMARY SCORE	Cont
8	S8COG27	S8COG27:W8 27-POINT COGNITION SUMMARY SCORE	Cont
9	S9COG27	S9COG27:W9 27-POINT COGNITION SUMMARY SCORE	Cont
10	S10COG27	S10COG27:W10 27-POINT COGNITION SUMMARY SCORE	Cont
11	S11COG27	S11COG27:W11 27-POINT COGNITION SUMMARY SCORE	Cont
12	S12COG27	S12COG27:W12 27-POINT COGNITION SUMMARY SCORE	Cont
13	S13COG27	S13COG27:W13 27-POINT COGNITION SUMMARY SCORE	Cont
14	S14COG27	S14COG27:W14 27-POINT MODE-ADJUSTED COGNITION SUMMARY SCORE	Cont
15	S15COG27	S15COG27:W15 27-POINT MODE-ADJUSTED COGNITION SUMMARY SCORE	Cont
16	S16COG27	S16COG27:W16 27-POINT MODE-ADJUSTED COGNITION SUMMARY SCORE	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1TR40	11883	12.84	5.30	0.0	40.0
S1TR40	9166	13.12	5.23	0.0	40.0
R2ATR20	7382	7.71	3.94	0.0	20.0
S2ATR20	3866	8.32	3.83	0.0	20.0
R2HTR40	10691	13.94	6.19	0.0	40.0
S2HTR40	8071	14.15	6.08	0.0	40.0
R3TR20	16351	9.94	3.92	0.0	20.0
R4TR20	19341	10.21	3.88	0.0	20.0
R5TR20	17516	9.88	3.77	0.0	20.0
R6TR20	16129	9.98	3.65	0.0	20.0
R7TR20	18327	9.78	3.48	0.0	20.0
R8TR20	17209	9.72	3.61	0.0	20.0
R9TR20	16077	9.68	3.56	0.0	20.0
R10TR20	20652	9.67	3.40	0.0	20.0
R11TR20	19407	9.59	3.46	0.0	20.0
R12TR20	17698	9.65	3.54	0.0	20.0
R13TR20	19971	9.67	3.43	0.0	20.0
S3TR20	10806	10.35	3.76	0.0	20.0
S4TR20	12573	10.61	3.72	0.0	20.0
S5TR20	11320	10.27	3.62	0.0	20.0
S6TR20	10280	10.33	3.52	0.0	20.0
S7TR20	11769	10.13	3.35	0.0	20.0
S8TR20	10943	10.11	3.46	0.0	20.0
S9TR20	9989	10.01	3.44	0.0	20.0
S10TR20	12696	9.98	3.31	0.0	20.0
S11TR20	11834	9.94	3.37	0.0	20.0
S12TR20	10423	10.05	3.43	0.0	20.0
S13TR20	11253	10.02	3.31	0.0	20.0
R14TR20P	15086	10.01	3.53	0.0	20.0
R15TR20P	12975	9.99	3.80	0.0	20.0
R16TR20P	13734	9.69	3.61	0.0	20.0

S14TR20P	8073	10.35	3.43	0.0	20.0
S15TR20P	6776	10.38	3.69	0.0	20.0
S16TR20P	6650	10.01	3.52	0.0	20.0
R14TR20W	1397	11.55	3.61	0.0	20.0
R15TR20W	2027	11.56	3.71	0.0	20.0
R16TR20W	1467	11.10	3.67	0.0	20.0
S14TR20W	901	11.58	3.59	2.0	20.0
S15TR20W	1282	11.52	3.70	1.0	20.0
S16TR20W	870	10.98	3.61	0.0	20.0
R2AMSTOT	7382	12.10	2.83	0.0	15.0
S2AMSTOT	3866	12.59	2.54	1.0	15.0
R2ACGTOT	7382	19.81	5.85	0.0	35.0
S2ACGTOT	3866	20.91	5.43	1.0	35.0
R3MSTOT	16351	12.63	2.47	0.0	15.0
R4MSTOT	12330	12.72	2.52	0.0	15.0
R5MSTOT	9503	12.71	2.50	0.0	15.0
R6MSTOT	9611	12.52	2.64	0.0	15.0
R7MSTOT	13083	12.73	2.50	0.0	15.0
R8MSTOT	10517	12.54	2.66	0.0	15.0
R9MSTOT	10518	12.51	2.65	0.0	15.0
R10MSTOT	16031	12.27	2.52	0.0	15.0
R11MSTOT	10250	12.23	2.67	0.0	15.0
R12MSTOT	9692	12.27	2.69	0.0	15.0
R13MSTOT	13700	12.45	2.55	0.0	15.0
S3MSTOT	10806	12.95	2.26	0.0	15.0
S4MSTOT	7481	13.11	2.25	0.0	15.0
S5MSTOT	5424	13.08	2.24	1.0	15.0
S6MSTOT	5499	12.94	2.35	0.0	15.0
S7MSTOT	7935	13.06	2.25	0.0	15.0
S8MSTOT	6071	12.90	2.40	0.0	15.0
S9MSTOT	6039	12.89	2.37	0.0	15.0
S10MSTOT	9477	12.58	2.32	0.0	15.0
S11MSTOT	5922	12.59	2.45	0.0	15.0
S12MSTOT	5342	12.67	2.44	0.0	15.0
S13MSTOT	7293	12.78	2.36	0.0	15.0
R14MSTOTP	7818	12.13	2.74	0.0	15.0
R15MSTOTP	7362	12.45	2.56	0.0	15.0
R16MSTOTP	9524	12.35	2.61	0.0	15.0
S14MSTOTP	4020	12.51	2.54	1.0	15.0
S15MSTOTP	3719	12.86	2.34	0.0	15.0
S16MSTOTP	4481	12.71	2.42	0.0	15.0
R3COGTOT	16351	22.57	5.46	0.0	35.0
R4COGTOT	12330	22.16	5.53	0.0	35.0
R5COGTOT	9503	21.52	5.35	0.0	35.0
R6COGTOT	9611	21.66	5.35	0.0	35.0
R7COGTOT	13083	22.02	5.16	0.0	35.0
R8COGTOT	10517	21.38	5.37	0.0	35.0

R9COGTOT	10518	21.50	5.31	0.0	35.0
R10COGTOT	16031	21.58	5.01	0.0	35.0
R11COGTOT	10250	21.09	5.29	0.0	35.0
R12COGTOT	9692	21.22	5.45	0.0	35.0
R13COGTOT	13700	21.78	5.15	0.0	35.0
S3COGTOT	10806	23.30	5.05	0.0	35.0
S4COGTOT	7481	23.00	5.10	0.0	35.0
S5COGTOT	5424	22.27	4.96	1.0	35.0
S6COGTOT	5499	22.40	4.96	0.0	35.0
S7COGTOT	7935	22.73	4.78	1.0	35.0
S8COGTOT	6071	22.10	4.96	0.0	35.0
S9COGTOT	6039	22.17	4.91	0.0	35.0
S10COGTOT	9477	22.19	4.68	1.0	35.0
S11COGTOT	5922	21.79	4.94	0.0	35.0
S12COGTOT	5342	22.03	5.09	0.0	35.0
S13COGTOT	7293	22.47	4.83	0.0	35.0
R14COGTOTP	7818	21.42	5.44	0.0	35.0
R15COGTOTP	7362	21.88	5.42	0.0	35.0
R16COGTOTP	9524	21.62	5.36	1.0	35.0
S14COGTOTP	4020	22.16	5.14	1.0	35.0
S15COGTOTP	3719	22.68	5.09	0.0	35.0
S16COGTOTP	4481	22.25	5.06	1.0	35.0
R3COG27	16351	15.28	4.89	0.0	27.0
R4COG27	19341	15.58	4.88	0.0	27.0
R5COG27	17516	15.25	4.75	0.0	27.0
R6COG27	16129	15.38	4.64	0.0	27.0
R7COG27	18327	15.20	4.48	0.0	27.0
R8COG27	17209	15.11	4.66	0.0	27.0
R9COG27	16077	15.04	4.60	0.0	27.0
R10COG27	20652	14.91	4.43	0.0	27.0
R11COG27	19407	14.80	4.50	0.0	27.0
R12COG27	17698	14.92	4.61	0.0	27.0
R13COG27	19971	14.97	4.49	0.0	27.0
R14COG27	16483	15.39	4.55	0.0	27.0
R15COG27	15002	15.49	4.71	0.0	27.0
R16COG27	15201	15.05	4.63	0.0	27.0
S3COG27	10806	15.89	4.59	0.0	27.0
S4COG27	12573	16.20	4.57	0.0	27.0
S5COG27	11320	15.84	4.47	0.0	27.0
S6COG27	10280	15.93	4.36	0.0	27.0
S7COG27	11769	15.74	4.23	0.0	27.0
S8COG27	10943	15.71	4.39	0.0	27.0
S9COG27	9989	15.59	4.33	0.0	27.0
S10COG27	12696	15.43	4.21	0.0	27.0
S11COG27	11834	15.35	4.31	0.0	27.0
S12COG27	10423	15.56	4.38	0.0	27.0
S13COG27	11253	15.53	4.27	0.0	27.0
S14COG27	8974	15.92	4.37	0.0	27.0
S15COG27	8058	16.06	4.48	0.0	27.0
S16COG27	7520	15.58	4.43	0.0	27.0

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are typically calculated only for the final release data. Note that for Waves 14 forward, some cognition measures collected via Web interviews differed in their implementation, measurement, or collection method. Due to these differences, these cognition variables are separated into two measures: one ending in [P] for Face-to-Face/Telephone interviews and one ending in [W] for Web interviews. For some variables, only the [P] for Face-to-Face/Telephone interviews measure is provided. Please review the HRS documentation linked below and the specific variable documentation, when applicable, in this documentation section.

Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2022) (Final Version V2.0) Data Description (HRS Staff, March 2026) on the HRS website for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

R1TR40, R2ATR20, R2HTR40, RwTR20, RwTR20P, and RwTR20W are summary scores for total word recall. R2AMSTOT, RwMSTOT, and RwMSTOTP summarize the mental status items. R2ACGTOT, RwCOGTOT, and RwCOGTOTP summarize word recall and mental status together. RwCOG27 summarizes word recall and a select set of mental status inputs together.

The total word recall summary variables sum the immediate and delayed word recall scores. In Waves 1 and 2H, the word list contained 20 nouns, while in other waves, the list contained 10 words. The variable name suffix indicates the maximum score possible for total word recall, e.g., R1TR40 (range 0-40) is the sum of R1IMRC20 (range 0-20) and R1DLRC20 (range 0-20), and R4TR20 (range 0-20) is the sum of R4IMRC (range 0-10) and R4DLRC (range 0-10). The variables R1TR40, R2HTR40, and R2ATR20 are named to indicate this difference in the measures for Waves 1 and 2. RwTR20 is available from Wave 3 to Wave 13. In Waves 14 forward, these word recall tests are performed differently for Web interviewees. To account for these differences, RwTR20 is separated into two variables: RwTR20P for Respondents who performed the cognition measures during a Face-to-Face/Telephone interview and RwTR20CW for Respondents who performed the cognition measures during a Web interview. Web interviewees have values of .W for RwTR20P and Face-to-Face/Telephone interviewees have values of .P for RwTR20W.

The mental status summary sums the scores for serial 7's (RwSER7[P/W], 0-5), backwards counting from 20 (RwBWC20[P/W], 0-2), and object (RwCACT[P], RwSCIS[P]; 0-2 total), date (RwDY[P], RwMO[P], RwYR[P], RwDW[P]; 0-4 total), and President/Vice-President (RwPRES[P], RwVP[P]; 0-2 total) naming tasks. The resulting range is 0-15. Since these items were not included in Waves 1 and 2H, there is no mental summary score for these waves, and the Wave 2A summary is called R2AMSTOT to indicate that it is limited to the AHEAD cohort in Wave 2. RwMSTOT is available from Wave 3 to Wave 13 and the listed sum variables are used without the [P] suffix. In Waves 14 forward, the date, object naming, and President/Vice-President naming tasks are not asked for Web interviewees and the listed sum variables are used with the [P] suffix. To account for this exclusion, RwMSTOT is renamed RwMSTOTP in Waves 14 forward to indicate it is not available for Web interviewees. Web interviewees have a value of .W for RwMSTOTP.

The total cognition score sums the total word recall and mental status summary scores, resulting in a range of 0-35. For Wave 2A, R2ACOGTOT is the sum of R2ATR20 and R2AMSTOT. RwCOGTOT is the sum of RwTR20 and RwMSTOT for Waves 3-13. RwCOGTOTP is the sum of RwTR20P and RwMSTOTP for Wave 14 forward and excludes Web interviewees. Web interviewees have a value of .W for RwCOGTOTP. RwCOGTOT is not available in Waves 1 and 2H.

RwCOG27 sums total word recall (RwTR20[P/W], 0-20), serial 7's (RwSER7[P/W], 0-5), and backwards counting from 20 (RwBWC20[P/W], 0-2), resulting in a range of 0-27. RwCOG27 is available in Waves 3 forward and is mode-adjusted from Wave 14 forward. It is available for a larger sample than RwCOGTOT[P] but still has exclusions.

In Wave 2H, R2ATR20, R2AMSTOT, and R2ACGTOT are set to special missing .Q to indicate that they are missing for all HRS Respondents. In Wave 2H, R2HTR40 is set to special missing .Q to indicate that it is missing for all AHEAD Respondents.

Special missing values have been assigned to cognition measures for: Respondents with all proxy interviews (.X); the specific interview was by proxy (.S); cognition measure not asked (reinterview/lt 65) (.N); and in Wave 1 when the Respondent is an

HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

NOTE: Because RwCOGTOT/RwCOGTOTP sums several input variables, the sample depends on the sample of the input variables. Users should note that these variables include questions only asked of Respondents over 65 or new Respondents. Additionally, proxy respondents are not asked the questions. Finally, in Waves 14 forward, RwCOGTOTP excludes web interviewees. Users should use the special missing values described above and review the documentation sections for the input variables for more details on the RwCOGTOT/RwCOGTOTP sample. Further information can be found in the HRS documentation linked in the General Comments section above.

The Sw cognition summary variables were taken from the respective Rw variables for the Wave "w" spouse.

Proxy Rating of Respondent Memory

Wave	Variable	Label	Type
2	R2PRMEM	R2PRMEM:W2 Rate R memory	Categ
3	R3PRMEM	R3PRMEM:W3 Rate R memory	Categ
4	R4PRMEM	R4PRMEM:W4 Rate R memory	Categ
5	R5PRMEM	R5PRMEM:W5 Rate R memory	Categ
6	R6PRMEM	R6PRMEM:W6 Rate R memory	Categ
7	R7PRMEM	R7PRMEM:W7 Rate R memory	Categ
8	R8PRMEM	R8PRMEM:W8 Rate R memory	Categ
9	R9PRMEM	R9PRMEM:W9 Rate R memory	Categ
10	R10PRMEM	R10PRMEM:W10 Rate R memory	Categ
11	R11PRMEM	R11PRMEM:W11 Rate R memory	Categ
12	R12PRMEM	R12PRMEM:W12 Rate R memory	Categ
13	R13PRMEM	R13PRMEM:W13 Rate R memory	Categ
14	R14PRMEM	R14PRMEM:W14 Rate R memory	Categ
15	R15PRMEM	R15PRMEM:W15 Rate R memory	Categ
16	R16PRMEM	R16PRMEM:W16 Rate R memory	Categ
2	S2PRMEM	S2PRMEM:W2 Rate S memory	Categ
3	S3PRMEM	S3PRMEM:W3 Rate S memory	Categ
4	S4PRMEM	S4PRMEM:W4 Rate S memory	Categ
5	S5PRMEM	S5PRMEM:W5 Rate S memory	Categ
6	S6PRMEM	S6PRMEM:W6 Rate S memory	Categ
7	S7PRMEM	S7PRMEM:W7 Rate S memory	Categ
8	S8PRMEM	S8PRMEM:W8 Rate S memory	Categ
9	S9PRMEM	S9PRMEM:W9 Rate S memory	Categ
10	S10PRMEM	S10PRMEM:W10 Rate S memory	Categ
11	S11PRMEM	S11PRMEM:W11 Rate S memory	Categ
12	S12PRMEM	S12PRMEM:W12 Rate S memory	Categ
13	S13PRMEM	S13PRMEM:W13 Rate S memory	Categ
14	S14PRMEM	S14PRMEM:W14 Rate S memory	Categ
15	S15PRMEM	S15PRMEM:W15 Rate S memory	Categ
16	S16PRMEM	S16PRMEM:W16 Rate S memory	Categ
4	R4PRCHMEM	R4PRCHMEM:W4 Rate R change in memory	Categ
5	R5PRCHMEM	R5PRCHMEM:W5 Rate R change in memory	Categ
6	R6PRCHMEM	R6PRCHMEM:W6 Rate R change in memory	Categ
7	R7PRCHMEM	R7PRCHMEM:W7 Rate R change in memory	Categ
8	R8PRCHMEM	R8PRCHMEM:W8 Rate R change in memory	Categ
9	R9PRCHMEM	R9PRCHMEM:W9 Rate R change in memory	Categ
10	R10PRCHMEM	R10PRCHMEM:W10 Rate R change in memory	Categ
11	R11PRCHMEM	R11PRCHMEM:W11 Rate R change in memory	Categ
12	R12PRCHMEM	R12PRCHMEM:W12 Rate R change in memory	Categ
13	R13PRCHMEM	R13PRCHMEM:W13 Rate R change in memory	Categ
14	R14PRCHMEM	R14PRCHMEM:W14 Rate R change in memory	Categ
15	R15PRCHMEM	R15PRCHMEM:W15 Rate R change in memory	Categ
16	R16PRCHMEM	R16PRCHMEM:W16 Rate R change in memory	Categ
4	S4PRCHMEM	S4PRCHMEM:W4 Rate S change in memory	Categ
5	S5PRCHMEM	S5PRCHMEM:W5 Rate S change in memory	Categ
6	S6PRCHMEM	S6PRCHMEM:W6 Rate S change in memory	Categ
7	S7PRCHMEM	S7PRCHMEM:W7 Rate S change in memory	Categ
8	S8PRCHMEM	S8PRCHMEM:W8 Rate S change in memory	Categ
9	S9PRCHMEM	S9PRCHMEM:W9 Rate S change in memory	Categ
10	S10PRCHMEM	S10PRCHMEM:W10 Rate S change in memory	Categ
11	S11PRCHMEM	S11PRCHMEM:W11 Rate S change in memory	Categ
12	S12PRCHMEM	S12PRCHMEM:W12 Rate S change in memory	Categ
13	S13PRCHMEM	S13PRCHMEM:W13 Rate S change in memory	Categ
14	S14PRCHMEM	S14PRCHMEM:W14 Rate S change in memory	Categ
15	S15PRCHMEM	S15PRCHMEM:W15 Rate S change in memory	Categ
16	S16PRCHMEM	S16PRCHMEM:W16 Rate S change in memory	Categ
E	REPRMEM	REPRMEM:EXIT Rate R memory 1 month prior to death	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2PRMEM	834	3.40	1.29	1.0	5.0
R3PRMEM	1634	3.14	1.31	1.0	5.0
R4PRMEM	2036	3.12	1.30	1.0	5.0
R5PRMEM	2057	3.21	1.28	1.0	5.0
R6PRMEM	2032	3.18	1.30	1.0	5.0
R7PRMEM	1796	3.15	1.35	1.0	5.0
R8PRMEM	1257	3.33	1.38	1.0	5.0
R9PRMEM	1139	3.43	1.35	1.0	5.0
R10PRMEM	1378	3.35	1.37	1.0	5.0
R11PRMEM	1144	3.47	1.36	1.0	5.0
R12PRMEM	1042	3.51	1.37	1.0	5.0
R13PRMEM	935	3.56	1.33	1.0	5.0
R14PRMEM	662	3.59	1.31	1.0	5.0
R15PRMEM	720	3.51	1.29	1.0	5.0
R16PRMEM	582	3.67	1.28	1.0	5.0
S2PRMEM	479	3.35	1.25	1.0	5.0
S3PRMEM	1106	2.92	1.25	1.0	5.0
S4PRMEM	1402	2.85	1.23	1.0	5.0
S5PRMEM	1409	2.92	1.21	1.0	5.0
S6PRMEM	1357	2.87	1.22	1.0	5.0
S7PRMEM	1201	2.79	1.25	1.0	5.0
S8PRMEM	792	2.91	1.31	1.0	5.0
S9PRMEM	656	2.97	1.28	1.0	5.0
S10PRMEM	816	2.95	1.31	1.0	5.0
S11PRMEM	648	2.98	1.30	1.0	5.0
S12PRMEM	587	3.06	1.36	1.0	5.0
S13PRMEM	525	3.07	1.29	1.0	5.0
S14PRMEM	384	3.14	1.32	1.0	5.0
S15PRMEM	418	3.11	1.26	1.0	5.0
S16PRMEM	318	3.22	1.31	1.0	5.0
R4PRCHMEM	747	2.11	0.38	1.0	3.0
R5PRCHMEM	702	2.13	0.39	1.0	3.0
R6PRCHMEM	651	2.14	0.39	1.0	3.0
R7PRCHMEM	578	2.09	0.36	1.0	3.0
R8PRCHMEM	307	2.10	0.38	1.0	3.0
R9PRCHMEM	230	2.12	0.38	1.0	3.0
R10PRCHMEM	324	2.08	0.39	1.0	3.0
R11PRCHMEM	257	2.11	0.38	1.0	3.0
R12PRCHMEM	238	2.11	0.44	1.0	3.0
R13PRCHMEM	217	2.19	0.46	1.0	3.0
R14PRCHMEM	150	2.12	0.42	1.0	3.0
R15PRCHMEM	139	2.16	0.44	1.0	3.0
R16PRCHMEM	106	2.09	0.40	1.0	3.0
S4PRCHMEM	688	2.09	0.36	1.0	3.0
S5PRCHMEM	656	2.11	0.37	1.0	3.0
S6PRCHMEM	588	2.12	0.38	1.0	3.0
S7PRCHMEM	543	2.09	0.35	1.0	3.0
S8PRCHMEM	295	2.09	0.36	1.0	3.0
S9PRCHMEM	213	2.12	0.39	1.0	3.0
S10PRCHMEM	303	2.08	0.36	1.0	3.0
S11PRCHMEM	233	2.07	0.35	1.0	3.0
S12PRCHMEM	218	2.08	0.42	1.0	3.0
S13PRCHMEM	198	2.15	0.44	1.0	3.0

S14PRCHMEM	132	2.08	0.37	1.0	3.0
S15PRCHMEM	125	2.12	0.41	1.0	3.0
S16PRCHMEM	94	2.02	0.33	1.0	3.0
REPRMEM	17326	3.22	1.41	1.0	5.0

Categorical Variable Codes

RwPRMEM: Rate R memory

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		1	3	8	5	4	5	3	1	3
.M=Oth missing			1	1						
.Q=Not asked this wv		11420								
.R=RF		5	2	1			1			1
.Z=Non-Proxy		7382	16351	19338	17516	16129	18327	17209	16077	20652
1.Excellent		84	209	278	235	238	244	145	108	158
2.Very Good		122	337	398	383	419	384	256	223	267
3.Good		216	434	558	570	556	437	261	226	291
4.Fair		197	317	415	448	376	326	225	231	263
5.Poor		215	337	387	421	443	405	370	351	399

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	2	7	3	1	1	2
.M=Oth missing			2			
.Q=Not asked this wv						
.R=RF			1			1
.Z=Non-Proxy	19408	17698	19971	16483	15002	15202
1.Excellent	114	105	75	54	55	40
2.Very Good	195	177	163	108	128	86
3.Good	244	200	188	113	150	105
4.Fair	221	204	184	169	170	147
5.Poor	370	356	325	218	217	204

SwPRMEM: Rate S memory

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		1	2	4	1	2	2		1	
.M=Oth missing			1	1						
.Q=Not asked this wv		9125								
.R=RF		3	2	1						1
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.Z=Non-Proxy		3866	10806	12572	11320	10280	11769	10943	9989	12696
1.Excellent		40	161	226	195	194	205	123	85	121
2.Very Good		84	272	343	329	357	323	218	182	213
3.Good		134	325	418	451	412	335	198	166	204
4.Fair		109	195	251	260	221	193	117	112	138
5.Poor		112	153	164	174	173	145	136	111	140

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	1	2			1	1
.M=Oth missing						
.Q=Not asked this wv						
.R=RF			1			1
.U=Unmarried	7473	7125	8024	6678	6193	6541

.V=Spouse NR	597	610	1109	1110	1053	1406
.Z=Non-Proxy	11835	10423	11253	8974	8058	7520
1.Excellent	95	86	62	48	43	36
2.Very Good	157	137	133	88	106	67
3.Good	179	144	137	90	109	75
4.Fair	101	94	94	80	84	72
5.Poor	116	126	99	78	76	68

RwPRCHMEM: Rate R change in memory

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA					3	2			1	
.R=RF										
.S=Skip				1299	1357	1383	1224	953	909	1058
.Z=Non-Proxy				19338	17516	16129	18327	17209	16077	20652
1.Better				18	13	12	13	8	5	12
2.Same				630	585	538	500	260	193	273
3.Worse				99	104	101	65	39	32	39

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA						1
.R=RF			1			
.S=Skip	889	811	723	513	582	477
.Z=Non-Proxy	19408	17698	19971	16483	15002	15203
1.Better	6	11	6	5	4	4
2.Same	216	189	163	122	109	88
3.Worse	35	38	48	23	26	14

SwPRCHMEM: Rate S change in memory

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA					2	2			1	
.R=RF										
.S=Skip				720	752	769	660	497	443	514
.U=Unmarried				6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR				536	311	220	380	317	365	724
.Z=Non-Proxy				12572	11320	10280	11769	10943	9989	12696
1.Better				15	13	11	11	6	5	9
2.Same				593	556	493	474	255	178	261
3.Worse				80	87	84	58	34	30	33

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA						1
.R=RF			1			
.S=Skip	416	371	327	252	294	225
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.Z=Non-Proxy	11835	10423	11253	8974	8058	7520
1.Better	6	11	6	4	4	4
2.Same	204	178	156	113	102	84
3.Worse	23	29	36	15	19	6

REPRMEM: EXIT Rate R memory 1 month prior to death

Value	
.D=DK	148
.M=Oth missing	56
.Q=Not asked this wv	175
.R=RF	7
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
1.Excellent	2562
2.Very good	3331
3.Good	3674
4.Fair	3175
5.Poor	4584

How Constructed

Core Interview Variables

RwPRMEM provides a proxy-reported rating of the Respondent's memory at the time of their interview. RwPRMEM ranges from 1 (Excellent) to 5 (Poor). RwPRCHMEM provides a proxy-reported rating of the Respondent's change in memory over the past two years. RwPRCHMEM takes values 1 (Better), 2 (Same), and 3 (Worse).

RwPRMEM is asked to the proxy in Wave 2A and in Wave 3 on. It is not asked in Wave 2H, and proxy interviews in Wave 2H have a value of .Q for R2PRMEM. RwPRCHMEM is asked to the proxy starting in Wave 4.

RwPRCHMEM is only asked to the proxy if the Respondent is younger than 65 at the time of the interview. Respondents who were 65 or older at the time of their proxy interview have a value of .S for RwPRCHMEM.

If the interview was not conducted via proxy, then RwPRMEM and RwPRCHMEM are set to .Z=Non-Proxy.

SwPRMEM and SwPRCHMEM contain this information for the Respondent's spouse or partner.

Exit Interview Variables

REPRMEM provides a proxy-reported rating of the Respondent's memory as of one month before the Respondent's death. REPRMEM ranges from 1 (Excellent) to 5 (Poor).

REPRMEM is asked of the proxy from Wave 3 forward. Exit interviews that take place in Wave 2H are given a value of .Q.

HRS Variables Used

Core Interview Variables

```
AHEAD 1993:
    B323            PC1. MEMORY: RATE NOW
    B324            PC2. MEMORY: CHANGE PAST 2 YEARS
AHEAD 1995:
    D1056           PC1.RATE MEMORY
HRS 1996:
    E1056           PC1.RATE MEMORY
HRS 1998:
```

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    F1373           PC1.RATE MEMORY
    F1374           PC2.RATE MEMORY PAST
HRS 2000:
    G1527           PC1.RATE MEMORY
    G1528           PC2.RATE MEMORY PAST
HRS 2002-2022:
    xD501           RATE MEMORY- PC
    xD502           COMPARE MEM TO PREV WAVE- PC
```

Exit Interview Variables

```
AHEAD 1995:
    N1056           PC1.RATE MEMORY
HRS 1996:
    P909            PC1.RATE MEMORY
HRS 1998:
    Q1373           PC1.RATE MEMORY
HRS 2000:
    R1359           PC1.RATE MEMORY
HRS 2002-2022:
    xD501           RATE MEMORY- PC
```

Cognitive Impairment

Wave	Variable	Label	Type
2	R2LOST	R2LOST:W2 R lost in familiar environments	Categ
3	R3LOST	R3LOST:W3 R lost in familiar environments	Categ
4	R4LOST	R4LOST:W4 R lost in familiar environments	Categ
5	R5LOST	R5LOST:W5 R lost in familiar environments	Categ
6	R6LOST	R6LOST:W6 R lost in familiar environments	Categ
7	R7LOST	R7LOST:W7 R lost in familiar environments	Categ
8	R8LOST	R8LOST:W8 R lost in familiar environments	Categ
9	R9LOST	R9LOST:W9 R lost in familiar environments	Categ
10	R10LOST	R10LOST:W10 R lost in familiar environments	Categ
11	R11LOST	R11LOST:W11 R lost in familiar environments	Categ
12	R12LOST	R12LOST:W12 R lost in familiar environments	Categ
13	R13LOST	R13LOST:W13 R lost in familiar environments	Categ
14	R14LOST	R14LOST:W14 R lost in familiar environments	Categ
15	R15LOST	R15LOST:W15 R lost in familiar environments	Categ
16	R16LOST	R16LOST:W16 R lost in familiar environments	Categ
2	S2LOST	S2LOST:W2 S lost in familiar environments	Categ
3	S3LOST	S3LOST:W3 S lost in familiar environments	Categ
4	S4LOST	S4LOST:W4 S lost in familiar environments	Categ
5	S5LOST	S5LOST:W5 S lost in familiar environments	Categ
6	S6LOST	S6LOST:W6 S lost in familiar environments	Categ
7	S7LOST	S7LOST:W7 S lost in familiar environments	Categ
8	S8LOST	S8LOST:W8 S lost in familiar environments	Categ
9	S9LOST	S9LOST:W9 S lost in familiar environments	Categ
10	S10LOST	S10LOST:W10 S lost in familiar environments	Categ
11	S11LOST	S11LOST:W11 S lost in familiar environments	Categ
12	S12LOST	S12LOST:W12 S lost in familiar environments	Categ
13	S13LOST	S13LOST:W13 S lost in familiar environments	Categ
14	S14LOST	S14LOST:W14 S lost in familiar environments	Categ
15	S15LOST	S15LOST:W15 S lost in familiar environments	Categ
16	S16LOST	S16LOST:W16 S lost in familiar environments	Categ
2	R2WANDER	R2WANDER:W2 R ever wander off	Categ
3	R3WANDER	R3WANDER:W3 R ever wander off	Categ
4	R4WANDER	R4WANDER:W4 R ever wander off	Categ
5	R5WANDER	R5WANDER:W5 R ever wander off	Categ
6	R6WANDER	R6WANDER:W6 R ever wander off	Categ
7	R7WANDER	R7WANDER:W7 R ever wander off	Categ
8	R8WANDER	R8WANDER:W8 R ever wander off	Categ
9	R9WANDER	R9WANDER:W9 R ever wander off	Categ
10	R10WANDER	R10WANDER:W10 R ever wander off	Categ
11	R11WANDER	R11WANDER:W11 R ever wander off	Categ
12	R12WANDER	R12WANDER:W12 R ever wander off	Categ
13	R13WANDER	R13WANDER:W13 R ever wander off	Categ
14	R14WANDER	R14WANDER:W14 R ever wander off	Categ
15	R15WANDER	R15WANDER:W15 R ever wander off	Categ
16	R16WANDER	R16WANDER:W16 R ever wander off	Categ
2	S2WANDER	S2WANDER:W2 S ever wander off	Categ
3	S3WANDER	S3WANDER:W3 S ever wander off	Categ
4	S4WANDER	S4WANDER:W4 S ever wander off	Categ
5	S5WANDER	S5WANDER:W5 S ever wander off	Categ
6	S6WANDER	S6WANDER:W6 S ever wander off	Categ
7	S7WANDER	S7WANDER:W7 S ever wander off	Categ
8	S8WANDER	S8WANDER:W8 S ever wander off	Categ
9	S9WANDER	S9WANDER:W9 S ever wander off	Categ
10	S10WANDER	S10WANDER:W10 S ever wander off	Categ
11	S11WANDER	S11WANDER:W11 S ever wander off	Categ
12	S12WANDER	S12WANDER:W12 S ever wander off	Categ
13	S13WANDER	S13WANDER:W13 S ever wander off	Categ
14	S14WANDER	S14WANDER:W14 S ever wander off	Categ
15	S15WANDER	S15WANDER:W15 S ever wander off	Categ
16	S16WANDER	S16WANDER:W16 S ever wander off	Categ
2	R2ALONE	R2ALONE:W2 R can be left alone	Categ
3	R3ALONE	R3ALONE:W3 R can be left alone	Categ

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 4    R4ALONE             R4ALONE:W4 R can be left alone                                Categ
 5    R5ALONE             R5ALONE:W5 R can be left alone                                Categ
 6    R6ALONE             R6ALONE:W6 R can be left alone                                Categ
 7    R7ALONE             R7ALONE:W7 R can be left alone                                Categ
 8    R8ALONE             R8ALONE:W8 R can be left alone                                Categ
 9    R9ALONE             R9ALONE:W9 R can be left alone                                Categ
10    R10ALONE            R10ALONE:W10 R can be left alone                              Categ
11    R11ALONE            R11ALONE:W11 R can be left alone                              Categ
12    R12ALONE            R12ALONE:W12 R can be left alone                              Categ
13    R13ALONE            R13ALONE:W13 R can be left alone                              Categ
14    R14ALONE            R14ALONE:W14 R can be left alone                              Categ
15    R15ALONE            R15ALONE:W15 R can be left alone                              Categ
16    R16ALONE            R16ALONE:W16 R can be left alone                              Categ

 2    S2ALONE             S2ALONE:W2 S can be left alone                                Categ
 3    S3ALONE             S3ALONE:W3 S can be left alone                                Categ
 4    S4ALONE             S4ALONE:W4 S can be left alone                                Categ
 5    S5ALONE             S5ALONE:W5 S can be left alone                                Categ
 6    S6ALONE             S6ALONE:W6 S can be left alone                                Categ
 7    S7ALONE             S7ALONE:W7 S can be left alone                                Categ
 8    S8ALONE             S8ALONE:W8 S can be left alone                                Categ
 9    S9ALONE             S9ALONE:W9 S can be left alone                                Categ
10    S10ALONE            S10ALONE:W10 S can be left alone                              Categ
11    S11ALONE            S11ALONE:W11 S can be left alone                              Categ
12    S12ALONE            S12ALONE:W12 S can be left alone                              Categ
13    S13ALONE            S13ALONE:W13 S can be left alone                              Categ
14    S14ALONE            S14ALONE:W14 S can be left alone                              Categ
15    S15ALONE            S15ALONE:W15 S can be left alone                              Categ
16    S16ALONE            S16ALONE:W16 S can be left alone                              Categ

 2    R2HALUC             R2HALUC:W2 R hallucinates                                     Categ
 3    R3HALUC             R3HALUC:W3 R hallucinates                                     Categ
 4    R4HALUC             R4HALUC:W4 R hallucinates                                     Categ
 5    R5HALUC             R5HALUC:W5 R hallucinates                                     Categ
 6    R6HALUC             R6HALUC:W6 R hallucinates                                     Categ
 7    R7HALUC             R7HALUC:W7 R hallucinates                                     Categ
 8    R8HALUC             R8HALUC:W8 R hallucinates                                     Categ
 9    R9HALUC             R9HALUC:W9 R hallucinates                                     Categ
10    R10HALUC            R10HALUC:W10 R hallucinates                                   Categ
11    R11HALUC            R11HALUC:W11 R hallucinates                                   Categ
12    R12HALUC            R12HALUC:W12 R hallucinates                                   Categ
13    R13HALUC            R13HALUC:W13 R hallucinates                                   Categ
14    R14HALUC            R14HALUC:W14 R hallucinates                                   Categ
15    R15HALUC            R15HALUC:W15 R hallucinates                                   Categ
16    R16HALUC            R16HALUC:W16 R hallucinates                                   Categ

 2    S2HALUC             S2HALUC:W2 S hallucinates                                     Categ
 3    S3HALUC             S3HALUC:W3 S hallucinates                                     Categ
 4    S4HALUC             S4HALUC:W4 S hallucinates                                     Categ
 5    S5HALUC             S5HALUC:W5 S hallucinates                                     Categ
 6    S6HALUC             S6HALUC:W6 S hallucinates                                     Categ
 7    S7HALUC             S7HALUC:W7 S hallucinates                                     Categ
 8    S8HALUC             S8HALUC:W8 S hallucinates                                     Categ
 9    S9HALUC             S9HALUC:W9 S hallucinates                                     Categ
10    S10HALUC            S10HALUC:W10 S hallucinates                                   Categ
11    S11HALUC            S11HALUC:W11 S hallucinates                                   Categ
12    S12HALUC            S12HALUC:W12 S hallucinates                                   Categ
13    S13HALUC            S13HALUC:W13 S hallucinates                                   Categ
14    S14HALUC            S14HALUC:W14 S hallucinates                                   Categ
15    S15HALUC            S15HALUC:W15 S hallucinates                                   Categ
16    S16HALUC            S16HALUC:W16 S hallucinates                                   Categ

 E    RELOST              RELOST:EXIT R lost in familiar environments                   Categ
 E    REWANDER            REWANDER:EXIT R ever wander off                               Categ
 E    REALONE             REALONE:EXIT R could be left alone                            Categ
 E    REHALUC             REHALUC:EXIT R hallucinated                                   Categ
```

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2LOST	823	0.19	0.39	0.0	1.0
R3LOST	1630	0.17	0.38	0.0	1.0
R4LOST	1280	0.24	0.43	0.0	1.0
R5LOST	1338	0.21	0.41	0.0	1.0
R6LOST	1365	0.21	0.41	0.0	1.0
R7LOST	1210	0.22	0.41	0.0	1.0
R8LOST	935	0.26	0.44	0.0	1.0
R9LOST	888	0.28	0.45	0.0	1.0
R10LOST	1034	0.31	0.46	0.0	1.0
R11LOST	867	0.34	0.47	0.0	1.0
R12LOST	792	0.32	0.47	0.0	1.0
R13LOST	702	0.37	0.48	0.0	1.0
R14LOST	506	0.37	0.48	0.0	1.0
R15LOST	564	0.28	0.45	0.0	1.0
R16LOST	466	0.33	0.47	0.0	1.0
S2LOST	474	0.15	0.35	0.0	1.0
S3LOST	1105	0.10	0.30	0.0	1.0
S4LOST	710	0.14	0.35	0.0	1.0
S5LOST	749	0.12	0.33	0.0	1.0
S6LOST	763	0.12	0.33	0.0	1.0
S7LOST	656	0.13	0.34	0.0	1.0
S8LOST	492	0.17	0.37	0.0	1.0
S9LOST	437	0.19	0.39	0.0	1.0
S10LOST	506	0.20	0.40	0.0	1.0
S11LOST	409	0.22	0.41	0.0	1.0
S12LOST	367	0.20	0.40	0.0	1.0
S13LOST	323	0.20	0.40	0.0	1.0
S14LOST	247	0.25	0.43	0.0	1.0
S15LOST	288	0.20	0.40	0.0	1.0
S16LOST	221	0.20	0.40	0.0	1.0
R2WANDER	830	0.04	0.20	0.0	1.0
R3WANDER	1630	0.05	0.21	0.0	1.0
R4WANDER	1291	0.08	0.26	0.0	1.0
R5WANDER	1348	0.05	0.23	0.0	1.0
R6WANDER	1370	0.06	0.25	0.0	1.0
R7WANDER	1221	0.06	0.23	0.0	1.0
R8WANDER	946	0.06	0.24	0.0	1.0
R9WANDER	902	0.08	0.27	0.0	1.0
R10WANDER	1051	0.09	0.28	0.0	1.0
R11WANDER	881	0.09	0.29	0.0	1.0
R12WANDER	804	0.09	0.28	0.0	1.0
R13WANDER	713	0.10	0.30	0.0	1.0
R14WANDER	506	0.10	0.30	0.0	1.0
R15WANDER	575	0.08	0.28	0.0	1.0
R16WANDER	469	0.11	0.31	0.0	1.0
S2WANDER	477	0.04	0.19	0.0	1.0
S3WANDER	1108	0.03	0.16	0.0	1.0
S4WANDER	715	0.04	0.20	0.0	1.0
S5WANDER	750	0.04	0.19	0.0	1.0
S6WANDER	764	0.04	0.19	0.0	1.0
S7WANDER	660	0.03	0.18	0.0	1.0
S8WANDER	495	0.04	0.20	0.0	1.0
S9WANDER	442	0.04	0.20	0.0	1.0

S10WANDER	512	0.06	0.25	0.0	1.0
S11WANDER	412	0.07	0.25	0.0	1.0
S12WANDER	371	0.05	0.22	0.0	1.0
S13WANDER	326	0.04	0.20	0.0	1.0
S14WANDER	252	0.07	0.25	0.0	1.0
S15WANDER	294	0.06	0.23	0.0	1.0
S16WANDER	222	0.07	0.26	0.0	1.0
R2ALONE	830	0.82	0.39	0.0	1.0
R3ALONE	1637	0.81	0.40	0.0	1.0
R4ALONE	1297	0.79	0.41	0.0	1.0
R5ALONE	1350	0.77	0.42	0.0	1.0
R6ALONE	1381	0.77	0.42	0.0	1.0
R7ALONE	1217	0.77	0.42	0.0	1.0
R8ALONE	950	0.75	0.43	0.0	1.0
R9ALONE	906	0.75	0.43	0.0	1.0
R10ALONE	1053	0.79	0.41	0.0	1.0
R11ALONE	885	0.73	0.44	0.0	1.0
R12ALONE	804	0.73	0.45	0.0	1.0
R13ALONE	715	0.73	0.45	0.0	1.0
R14ALONE	511	0.76	0.43	0.0	1.0
R15ALONE	576	0.80	0.40	0.0	1.0
R16ALONE	473	0.77	0.42	0.0	1.0
S2ALONE	477	0.82	0.38	0.0	1.0
S3ALONE	1109	0.84	0.37	0.0	1.0
S4ALONE	719	0.82	0.39	0.0	1.0
S5ALONE	750	0.81	0.40	0.0	1.0
S6ALONE	768	0.83	0.37	0.0	1.0
S7ALONE	658	0.85	0.35	0.0	1.0
S8ALONE	496	0.82	0.39	0.0	1.0
S9ALONE	443	0.83	0.37	0.0	1.0
S10ALONE	512	0.84	0.37	0.0	1.0
S11ALONE	414	0.81	0.40	0.0	1.0
S12ALONE	367	0.82	0.39	0.0	1.0
S13ALONE	325	0.82	0.39	0.0	1.0
S14ALONE	251	0.82	0.38	0.0	1.0
S15ALONE	291	0.87	0.34	0.0	1.0
S16ALONE	224	0.86	0.35	0.0	1.0
R2HALUC	826	0.15	0.36	0.0	1.0
R3HALUC	1627	0.12	0.33	0.0	1.0
R4HALUC	1282	0.17	0.38	0.0	1.0
R5HALUC	1338	0.17	0.38	0.0	1.0
R6HALUC	1349	0.15	0.36	0.0	1.0
R7HALUC	1193	0.18	0.38	0.0	1.0
R8HALUC	914	0.19	0.39	0.0	1.0
R9HALUC	874	0.22	0.42	0.0	1.0
R10HALUC	1029	0.22	0.41	0.0	1.0
R11HALUC	872	0.22	0.42	0.0	1.0
R12HALUC	786	0.23	0.42	0.0	1.0
R13HALUC	710	0.24	0.43	0.0	1.0
R14HALUC	505	0.24	0.43	0.0	1.0
R15HALUC	565	0.24	0.43	0.0	1.0
R16HALUC	462	0.26	0.44	0.0	1.0
S2HALUC	476	0.11	0.31	0.0	1.0
S3HALUC	1104	0.06	0.25	0.0	1.0
S4HALUC	711	0.10	0.30	0.0	1.0

S5HALUC	747	0.11	0.31	0.0	1.0
S6HALUC	758	0.08	0.27	0.0	1.0
S7HALUC	652	0.08	0.28	0.0	1.0
S8HALUC	486	0.10	0.30	0.0	1.0
S9HALUC	437	0.12	0.33	0.0	1.0
S10HALUC	502	0.12	0.33	0.0	1.0
S11HALUC	413	0.12	0.33	0.0	1.0
S12HALUC	361	0.15	0.36	0.0	1.0
S13HALUC	324	0.13	0.34	0.0	1.0
S14HALUC	249	0.12	0.32	0.0	1.0
S15HALUC	289	0.15	0.35	0.0	1.0
S16HALUC	218	0.17	0.37	0.0	1.0
RELOST	15542	0.19	0.40	0.0	1.0
REWANDER	15697	0.06	0.24	0.0	1.0
REALONE	15691	0.81	0.39	0.0	1.0
REHALUC	15431	0.21	0.41	0.0	1.0

Categorical Variable Codes

RwLOST: R lost in familiar environments

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		7	5	18	18	15	13	18	20	23
.M=Oth missing			1	1						
.Q=Not asked this wv		11420								
.R=RF		10	3		1	3	1		1	1
.S=Skip				747	705	653	578	307	231	324
.X=Don't do			1							
.Z=Non-Proxy		7382	16351	19338	17516	16129	18327	17209	16077	20652
0.No		666	1354	973	1052	1075	944	691	642	714
1.Yes		157	276	307	286	290	266	244	246	320

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	20	17	17	6	16	11
.M=Oth missing		1	2			
.Q=Not asked this wv						
.R=RF	2	1	2	1	2	1
.S=Skip	257	238	218	150	139	107
.X=Don't do						
.Z=Non-Proxy	19408	17698	19971	16483	15002	15202
0.No	575	537	443	317	407	311
1.Yes	292	255	259	189	157	155

SwLOST: S lost in familiar environments

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		3	3	9	3	3	4	5	6	8
.M=Oth missing			1	1						
.Q=Not asked this wv		9125								
.R=RF		6	1			3				
.S=Skip				688	658	590	543	295	214	303
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=Don't do			1							
.Z=Non-Proxy		3866	10806	12572	11320	10280	11769	10943	9989	12696
0.No		405	996	608	659	671	571	409	356	403
1.Yes		69	109	102	90	92	85	83	81	103

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	6	4	3	5	6	4
.M=Oth missing						
.Q=Not asked this wv						
.R=RF	1		1			
.S=Skip	233	218	199	132	125	95
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.X=Don't do						
.Z=Non-Proxy	11835	10423	11253	8974	8058	7520
0.No	321	292	259	185	231	176
1.Yes	88	75	64	62	57	45

RwWANDER: R ever wander off

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA				7	8	10	2	7	6	7
.M=Oth missing			1	1						
.Q=Not asked this wv		11420								
.R=RF		10	4		1	3	1		1	
.S=Skip				747	705	653	578	307	231	324
.X=Don't do			5							
.Z=Non-Proxy		7382	16351	19338	17516	16129	18327	17209	16077	20652
0.No		796	1554	1193	1274	1282	1150	887	831	958
1.Yes		34	76	98	74	88	71	59	71	93

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	8	6	6	6	7	8
.M=Oth missing		1	2			
.Q=Not asked this wv						
.R=RF			2	1		1
.S=Skip	257	238	218	150	139	107
.X=Don't do						
.Z=Non-Proxy	19408	17698	19971	16483	15002	15202
0.No	798	733	641	455	527	418
1.Yes	83	71	72	51	48	51

SwWANDER: S ever wander off

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA				4	2	2		2	1	2
.M=Oth missing			1	1						
.Q=Not asked this wv		9125								
.R=RF		6	1			3				
.S=Skip				688	658	590	543	295	214	303
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=Don't do			1							
.Z=Non-Proxy		3866	10806	12572	11320	10280	11769	10943	9989	12696
0.No		459	1077	684	723	734	639	474	423	479
1.Yes		18	31	31	27	30	21	21	19	33

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	4		1			3
.M=Oth missing						
.Q=Not asked this wv						
.R=RF						
.S=Skip	233	218	199	132	125	95
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.X=Don't do						
.Z=Non-Proxy	11835	10423	11253	8974	8058	7520
0.No	385	352	313	235	277	206
1.Yes	27	19	13	17	17	16

RwALONE: R can be left alone

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			1	1	7	1	7	3	3	5
.M=Oth missing			1	1						
.Q=Not asked this wv		11420								
.R=RF		10	1			1				
.S=Skip				747	705	653	578	307	231	324
.Z=Non-Proxy		7382	16351	19338	17516	16129	18327	17209	16077	20652
0.No		153	318	272	313	315	277	233	226	224
1.Yes		677	1319	1025	1037	1066	940	717	680	829

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	4	5	5	2	5	5
.M=Oth missing		1	2			
.Q=Not asked this wv						
.R=RF		1	1		1	
.S=Skip	257	238	218	150	139	107
.Z=Non-Proxy	19408	17698	19971	16483	15002	15202
0.No	236	219	195	125	118	109
1.Yes	649	585	520	386	458	364

SwALONE: S can be left alone

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA					2		2	1		2
.M=Oth missing			1	1						
.Q=Not asked this wv		9125								
.R=RF		6	1			1				
.S=Skip				688	658	590	543	295	214	303
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.Z=Non-Proxy		3866	10806	12572	11320	10280	11769	10943	9989	12696
0.No		85	177	132	145	128	96	90	74	84
1.Yes		392	932	587	605	640	562	406	369	428

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	2	4	2	1	2	1
.M=Oth missing						
.Q=Not asked this wv						
.R=RF					1	
.S=Skip	233	218	199	132	125	95
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.Z=Non-Proxy	11835	10423	11253	8974	8058	7520
0.No	80	67	60	45	38	31
1.Yes	334	300	265	206	253	193

RwHALUC: R hallucinates

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		4	9	15	19	32	30	39	35	29
.M=Oth missing			1	1						
.Q=Not asked this wv		11420								
.R=RF		10	2	1		2	1			
.S=Skip				747	705	653	578	307	231	324
.X=Don't do			1							
.Z=Non-Proxy		7382	16351	19338	17516	16129	18327	17209	16077	20652
0.No		703	1425	1060	1105	1141	983	739	679	806
1.Yes		123	202	222	233	208	210	175	195	223

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	17	24	10	8	17	15
.M=Oth missing		1	2			
.Q=Not asked this wv						
.R=RF			1			1
.S=Skip	257	238	218	150	139	107
.X=Don't do						
.Z=Non-Proxy	19408	17698	19971	16483	15002	15202
0.No	678	604	538	383	431	343
1.Yes	194	182	172	122	134	119

SwHALUC: S hallucinates

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		1	4	8	5	9	8	11	6	12
.M=Oth missing			1	1						
.Q=Not asked this wv		9125								
.R=RF		6	1			2				
.S=Skip				688	658	590	543	295	214	303
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
.X=Don't do			1							
.Z=Non-Proxy		3866	10806	12572	11320	10280	11769	10943	9989	12696
0.No		426	1033	638	665	697	597	436	384	440
1.Yes		50	71	73	82	61	55	50	53	62

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	3	10	3	3	5	7
.M=Oth missing						
.Q=Not asked this wv						
.R=RF						
.S=Skip	233	218	199	132	125	95
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.X=Don't do						
.Z=Non-Proxy	11835	10423	11253	8974	8058	7520
0.No	363	307	281	220	247	182
1.Yes	50	54	43	29	42	36

RELOST: EXIT R lost in familiar environments

Value	
.D=DK	220
.M=Oth missing	62
.Q=Not asked this wv	175
.R=RF	8
.S=Skip	1705
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	12532
1.Yes	3010

REWANDER: EXIT R ever wander off

Value	
.D=DK	68
.M=Oth missing	62
.Q=Not asked this wv	175
.R=RF	5
.S=Skip	1705
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	14716
1.Yes	981

REALONE: EXIT R could be left alone

Value	
.D=DK	76
.M=Oth missing	62
.Q=Not asked this wv	175
.R=RF	3
.S=Skip	1705
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	2973
1.Yes	12718

REHALUC: EXIT R hallucinated

Value	
.D=DK	333
.M=Oth missing	63
.Q=Not asked this wv	175
.R=RF	5
.S=Skip	1705
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	12175
1.Yes	3256

How Constructed

Core Interview Variables

RwLOST, RwWANDER, RwALONE and RwHALUC indicate whether the Respondent in a proxy interview shows signs of cognitive impairment.

RwLOST indicates whether the Respondent ever gets lost in familiar environments. RwWANDER indicates whether the Respondent ever wanders off and doesn't return on his or her own. RwALONE indicates whether the Respondent can be left alone for an hour or so. RwHALUC indicates whether the Respondent ever sees or hears things that aren't really there.

These variables are not collected in Waves 1 or 2H. The variables are set to .Q if the Respondent's proxy interview took place in Wave 2H.

In Wave 3, A "don't do" response is recoded to missing value .X, since the proxy hasn't revealed whether the Respondent would have difficulty with the activity if the Respondent ever did it.

In Waves 2A and 3, these questions are asked in all proxy interviews. In Waves 4 and on, these variables are only asked to the proxy if the Respondent is 65 or older at the time of the interview. Respondents who were younger than 65 at the time of their proxy interview have a value of .S for RwLOST, RwWANDER, RwALONE and RwHALUC. If the interview was not conducted via proxy, then RwLOST, RwWANDER, RwALONE and RwHALUC are set to .Z=Non-Proxy.

SwLOST, SwWANDER, SwALONE and SwHALUC contain this information for the Respondent's spouse or partner.

Exit Interview Variables

RELOST, REWANDER, REALONE, and REHALUC indicate whether the Respondent showed signs of cognitive impairment since the Respondent's last interview.

RELOST indicates whether the Respondent ever got lost in familiar environments. REWANDER indicates whether the Respondent ever wandered off and didn't return on their own. REALONE indicates whether the Respondent could be left alone for an hour or so. REHALUC indicates whether the Respondent ever saw or heard things that weren't really there.

These questions are not asked in Wave 2H, so the variables are set to .Q.

In Wave 3, these questions are asked in all Exit Interviews. From Wave 4 forward, these questions are only asked if the Respondent was age 65 or older at time of death. Respondents from Wave 4 forward who are under age 65 are given the value .S for RELOST, REWANDER, REALONE and REHALUC.

HRS Variables Used

Core Interview Variables

```
AHEAD 1993:
    B342            PC7a. DOES R GET LOST
    B343            PC7b. DOES R WANDER
    B344            PC7c. CAN R BE LEFT ALONE
    B345            PC7d. DOES R HALLUCINATE
AHEAD 1995:
    D1144           PC24.LOST
    D1145           PC25.WANDER
    D1146           PC26.LEFT ALONE
    D1147           PC27.HALLUCINATE
HRS 1996:
    E1144           PC24.LOST
    E1145           PC25.WANDER
    E1146           PC26.LEFT ALONE
    E1147           PC27.HALLUCINATE
HRS 1998:
    F1461           PC24.LOST
    F1462           PC25.WANDER
    F1463           PC26.LEFT ALONE
    F1464           PC27.HALLUCINATE
HRS 2000:
    G1615           PC24.LOST
    G1616           PC25.WANDER
    G1617           PC26.LEFT ALONE
    G1618           PC27.HALLUCINATE
```

```
HRS 2002-2022:
    xD554           GET LOST IN FAMILIAR PLACES- PC
    xD555           WANDER OFF- PC
    xD556           CAN R BE LEFT ALONE- PC
    xD557           DOES R HALLUCINATE- PC
```

Exit Interview Variables

```
AHEAD 1995:
    N1144           PC24.LOST
    N1145           PC25.WANDER
    N1146           PC26.LEFT ALONE
    N1147           PC27.HALLUCINATE
HRS 1996:
    P1000           PC27.HALLUCINATE
    P997            PC24.LOST
    P998            PC25.WANDER
    P999            PC26.LEFT ALONE
HRS 1998:
    Q1461           PC24.LOST
    Q1462           PC25.WANDER
    Q1463           PC26.LEFT ALONE
    Q1464           PC27.HALLUCINATE
HRS 2000:
    R1447           PC24.LOST
    R1448           PC25.WANDER
    R1449           PC26.LEFT ALONE
    R1450           PC27.HALLUCINATE
HRS 2002-2022:
    xD554           GET LOST IN FAMILIAR PLACES- PC
    xD555           WANDER OFF- PC
    xD556           CAN R BE LEFT ALONE- PC
    xD557           DOES R HALLUCINATE- PC
```

Section G: Functional Limitations and Helpers

Whether health limits work

Wave	Variable	Label	Type
1	R1HLTHLM	R1HLTHLM:W1 Hlth problems limit work	Categ
2	R2HLTHLM	R2HLTHLM:W2 Hlth problems limit work	Categ
3	R3HLTHLM	R3HLTHLM:W3 Hlth problems limit work	Categ
4	R4HLTHLM	R4HLTHLM:W4 Hlth problems limit work	Categ
5	R5HLTHLM	R5HLTHLM:W5 Hlth problems limit work	Categ
6	R6HLTHLM	R6HLTHLM:W6 Hlth problems limit work	Categ
7	R7HLTHLM	R7HLTHLM:W7 Hlth problems limit work	Categ
8	R8HLTHLM	R8HLTHLM:W8 Hlth problems limit work	Categ
9	R9HLTHLM	R9HLTHLM:W9 Hlth problems limit work	Categ
10	R10HLTHLM	R10HLTHLM:W10 Hlth problems limit work	Categ
11	R11HLTHLM	R11HLTHLM:W11 Hlth problems limit work	Categ
12	R12HLTHLM	R12HLTHLM:W12 Hlth problems limit work	Categ
13	R13HLTHLM	R13HLTHLM:W13 Hlth problems limit work	Categ
14	R14HLTHLM	R14HLTHLM:W14 Hlth problems limit work	Categ
15	R15HLTHLM	R15HLTHLM:W15 Hlth problems limit work	Categ
16	R16HLTHLM	R16HLTHLM:W16 Hlth problems limit work	Categ
1	S1HLTHLM	S1HLTHLM:W1 Hlth problems limit work	Categ
2	S2HLTHLM	S2HLTHLM:W2 Hlth problems limit work	Categ
3	S3HLTHLM	S3HLTHLM:W3 Hlth problems limit work	Categ
4	S4HLTHLM	S4HLTHLM:W4 Hlth problems limit work	Categ
5	S5HLTHLM	S5HLTHLM:W5 Hlth problems limit work	Categ
6	S6HLTHLM	S6HLTHLM:W6 Hlth problems limit work	Categ
7	S7HLTHLM	S7HLTHLM:W7 Hlth problems limit work	Categ
8	S8HLTHLM	S8HLTHLM:W8 Hlth problems limit work	Categ
9	S9HLTHLM	S9HLTHLM:W9 Hlth problems limit work	Categ
10	S10HLTHLM	S10HLTHLM:W10 Hlth problems limit work	Categ
11	S11HLTHLM	S11HLTHLM:W11 Hlth problems limit work	Categ
12	S12HLTHLM	S12HLTHLM:W12 Hlth problems limit work	Categ
13	S13HLTHLM	S13HLTHLM:W13 Hlth problems limit work	Categ
14	S14HLTHLM	S14HLTHLM:W14 Hlth problems limit work	Categ
15	S15HLTHLM	S15HLTHLM:W15 Hlth problems limit work	Categ
16	S16HLTHLM	S16HLTHLM:W16 Hlth problems limit work	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HLTHLM	12624	0.22	0.41	0.0	1.0
R2HLTHLM	11383	0.25	0.43	0.0	1.0
R3HLTHLM	10906	0.27	0.44	0.0	1.0
R4HLTHLM	21251	0.32	0.47	0.0	1.0
R5HLTHLM	19450	0.31	0.46	0.0	1.0
R6HLTHLM	18069	0.32	0.47	0.0	1.0
R7HLTHLM	13815	0.17	0.38	0.0	1.0
R8HLTHLM	16259	0.31	0.46	0.0	1.0
R9HLTHLM	15232	0.32	0.47	0.0	1.0
R10HLTHLM	20733	0.34	0.47	0.0	1.0
R11HLTHLM	19444	0.34	0.47	0.0	1.0
R12HLTHLM	17936	0.37	0.48	0.0	1.0
R13HLTHLM	20243	0.38	0.48	0.0	1.0
R14HLTHLM	16634	0.39	0.49	0.0	1.0
R15HLTHLM	15111	0.38	0.49	0.0	1.0
R16HLTHLM	9217	0.28	0.45	0.0	1.0
S1HLTHLM	9890	0.20	0.40	0.0	1.0
S2HLTHLM	8723	0.22	0.42	0.0	1.0
S3HLTHLM	8284	0.24	0.43	0.0	1.0

S4HLTHLM	13933	0.28	0.45	0.0	1.0
S5HLTHLM	12682	0.27	0.44	0.0	1.0
S6HLTHLM	11585	0.27	0.44	0.0	1.0
S7HLTHLM	9779	0.15	0.36	0.0	1.0
S8HLTHLM	10876	0.27	0.44	0.0	1.0
S9HLTHLM	9893	0.27	0.45	0.0	1.0
S10HLTHLM	12958	0.29	0.45	0.0	1.0
S11HLTHLM	12036	0.30	0.46	0.0	1.0
S12HLTHLM	10704	0.31	0.46	0.0	1.0
S13HLTHLM	11562	0.32	0.47	0.0	1.0
S14HLTHLM	9171	0.33	0.47	0.0	1.0
S15HLTHLM	8252	0.33	0.47	0.0	1.0
S16HLTHLM	4764	0.23	0.42	0.0	1.0

Categorical Variable Codes

RwHLTHLM: Hlth problems limit work

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		14	12	53	53	50	48	43	49	112
.J=Web interview, missing										
.M=Oth missing		14	38	53	40	25	12	10	11	232
.Q=Not asked this wv		8222	7027							
.R=RF	28	9	8	27	35	21	14	8	10	32
.W=Not working							1376	2147	1910	916
.Y=Assumed yes							4864	2	5	9
0.No	9907	8557	8014	14482	13335	12312	11438	11145	10385	13693
1.Yes	2717	2826	2892	6769	6115	5757	2377	5114	4847	7040

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	95	122	91	72	83	39
.J=Web interview, missing				18	25	12
.M=Oth missing	27	33	105	55	74	105
.Q=Not asked this wv						
.R=RF	31	32	45	27	30	22
.W=Not working	939	612	418	311	362	6363
.Y=Assumed yes	18	12	10	29	38	29
0.No	12801	11304	12618	10117	9313	6599
1.Yes	6643	6632	7625	6517	5798	2618

SwHLTHLM: Hlth problems limit work

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		9	9	18	28	29	29	25	22	56
.J=Web interview, missing										
.M=Oth missing		2	11	15	8	16	2	2	2	133
.Q=Not asked this wv		4549	3704							
.R=RF	10	7	4	14	12	9	9	4	4	20
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	322	536	311	220	380	317	365	724
.W=Not working							559	828	723	342
.Y=Assumed yes							2594		2	4
0.No	7924	6774	6277	10097	9273	8470	8287	7918	7173	9214
1.Yes	1966	1949	2007	3836	3409	3115	1492	2958	2720	3744

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	53	62	35	35	40	13
.J=Web interview, missing				9	19	6
.M=Oth missing	6	13	33	21	16	23
.Q=Not asked this wv						
.R=RF	15	12	19	9	12	7
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Not working	369	220	129	110	135	3024
.Y=Assumed yes	5	1	1	3	3	3
0.No	8475	7340	7876	6141	5555	3675
1.Yes	3561	3364	3686	3030	2697	1089

How Constructed

RwHLTHLM indicates whether an impairment or health problem limits the kind or amount of paid work for the Respondent. SwHLTHLM is the same information for the Respondent's spouse or partner.

RwHLTHLM simply recodes the original HRS variable as a yes/no indicator and sets missing values to missing codes.

In Waves 2A and 3A, this question was not asked. So for the AHEAD Respondents, R2HLTHLM and R3HLTHLM are set to the .Q SAS special missing value, to indicate that no information is available.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S1HLTHLM is taken from the Wave 1 spouse's R1HLTHLM.

Cross Wave Differences in Original HRS Data

In Waves 2A and 3A, the question about health affecting or limiting any work is not asked.

The question wording is the same in all other waves:

"Now I want to ask how your health affects paid work activities. Do you have any impairment or health problem that limits the kind or amount of paid work you can do?"

From Wave 4 to Wave 15, the same question is asked in two sections. One is the disability section for re-interviewees, and one is the disability section for new interviewees. From Wave 16, the disability section is combined and the question is asked in that combined section.

In Wave 7, if re-interviewees have previously reported a health limitation, these questions are skipped and assigned ".Y=Assumed Yes." This skip pattern bypasses the Respondents that have previously reported a health limitation, but may no longer have a limitation. From Wave 7 forward, "not working," recoded .W, is added as a possible answer. From Wave 16 forward, the question is skipped if Respondents reported not working last wave or this wave and they are assigned .W for "not working."

HRS Variables Used

```
HRS 1992:
    V4001           J1:HAVE DISABILITY
HRS 1994:
    W5200           J1.HEALTH PROBLEM THAT L
HRS 1996:
    E3507           GD1. HEALTH PROB
HRS 1998:
    F4017           GD1. HEALTH PROB
    F4201           GJ1.HEALTH PROB
HRS 2000:
    G4307           GD1. HEALTH PROB
    G4553           GJ1.HEALTH PROB
HRS 2022:
    SM101           HAS IMPAIRMENTS THAT LIMIT PAID WORK
HRS 2002-2020:
    xM002           HM002 HEALTH PROB
    xM502           HEALTH PROB
```

Bedridden Around Time of Death

Wave	Variable	Label	Type
E	REBEDRID	REBEDRID:EXIT Bedridden around time of death	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
REBEDRID	16403	0.29	0.45	0.0	1.0

Categorical Variable Codes

REBEDRID: EXIT Bedridden around time of death

Value	
.D=DK	1096
.M=Oth missing	20
.Q=Not asked this wv	175
.R=RF	18
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	11621
1.Yes	4782

How Constructed

REBEDRID indicates whether the Respondent was bedridden in the last three months of life. This variable recodes raw data about the number of days the Respondent stayed in bed more than half of the day because of illness or injury during their last three months of life. It indicates whether the total number of days reported is greater than or equal to 86. If a Respondent spent 86 or more days in bed, the Activities of Daily Life section is skipped in some waves of the Exit Interview.

The question was not asked in Wave 2H. REBEDRID is set to .Q if the Respondent's Exit Interview took place in Wave 2H.

Cross Wave Differences in Original HRS Data

The response options vary across waves. From Wave 3 to Wave 6, the maximum value for the raw data was 93, and this was also the value assigned to responses of "every day." From Wave 7 forward, the value of 93 corresponds to "every day." In some later waves, a small number of values above 93 are seen, but no values above 100 are seen. Values above the possible number of days in a three month period are treated the same as "every day" responses, and the Respondent is set to bedridden.

HRS Variables Used

Exit Interview Variables

```
AHEAD 1995:
    N1819           E31x.DAYS IN BED
HRS 1996:
    P1400           E31x.DAYS IN BED
HRS 1998:
    Q1842           E32.(OLD E31) DAYS IN BED
HRS 2000:
    R1862           E32.(OLD E31) DAYS IN BED
HRS 2002-2022:
    xG129           NUMBER DAYS IN BED
```

Activities of daily living (ADLs): Skip Flag

Wave	Variable	Label	Type
3	R3SADLF	R3SADLF:W3 R Skip ADLs Flag	Categ
4	R4SADLF	R4SADLF:W4 R Skip ADLs Flag	Categ
5	R5SADLF	R5SADLF:W5 R Skip ADLs Flag	Categ
6	R6SADLF	R6SADLF:W6 R Skip ADLs Flag	Categ
7	R7SADLF	R7SADLF:W7 R Skip ADLs Flag	Categ
8	R8SADLF	R8SADLF:W8 R Skip ADLs Flag	Categ
9	R9SADLF	R9SADLF:W9 R Skip ADLs Flag	Categ
10	R10SADLF	R10SADLF:W10 R Skip ADLs Flag	Categ
11	R11SADLF	R11SADLF:W11 R Skip ADLs Flag	Categ
12	R12SADLF	R12SADLF:W12 R Skip ADLs Flag	Categ
13	R13SADLF	R13SADLF:W13 R Skip ADLs Flag	Categ
14	R14SADLF	R14SADLF:W14 R Skip ADLs Flag	Categ
15	R15SADLF	R15SADLF:W15 R Skip ADLs Flag	Categ
16	R16SADLF	R16SADLF:W16 R Skip ADLs Flag	Categ
3	S3SADLF	S3SADLF:W3 S Skip ADLs Flag	Categ
4	S4SADLF	S4SADLF:W4 S Skip ADLs Flag	Categ
5	S5SADLF	S5SADLF:W5 S Skip ADLs Flag	Categ
6	S6SADLF	S6SADLF:W6 S Skip ADLs Flag	Categ
7	S7SADLF	S7SADLF:W7 S Skip ADLs Flag	Categ
8	S8SADLF	S8SADLF:W8 S Skip ADLs Flag	Categ
9	S9SADLF	S9SADLF:W9 S Skip ADLs Flag	Categ
10	S10SADLF	S10SADLF:W10 S Skip ADLs Flag	Categ
11	S11SADLF	S11SADLF:W11 S Skip ADLs Flag	Categ
12	S12SADLF	S12SADLF:W12 S Skip ADLs Flag	Categ
13	S13SADLF	S13SADLF:W13 S Skip ADLs Flag	Categ
14	S14SADLF	S14SADLF:W14 S Skip ADLs Flag	Categ
15	S15SADLF	S15SADLF:W15 S Skip ADLs Flag	Categ
16	S16SADLF	S16SADLF:W16 S Skip ADLs Flag	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3SADLF	17991	0.35	0.48	0.0	1.0
R4SADLF	21384	0.36	0.48	0.0	1.0
R5SADLF	19578	0.34	0.47	0.0	1.0
R6SADLF	18158	0.31	0.46	0.0	1.0
R7SADLF	20119	0.33	0.47	0.0	1.0
R8SADLF	18462	0.31	0.46	0.0	1.0
R9SADLF	17208	0.31	0.46	0.0	1.0
R10SADLF	21903	0.35	0.48	0.0	1.0
R11SADLF	20536	0.35	0.48	0.0	1.0
R12SADLF	18731	0.34	0.47	0.0	1.0
R13SADLF	20876	0.36	0.48	0.0	1.0
R14SADLF	17120	0.36	0.48	0.0	1.0
R15SADLF	15649	0.38	0.49	0.0	1.0
R16SADLF	15718	0.37	0.48	0.0	1.0
S3SADLF	11917	0.40	0.49	0.0	1.0
S4SADLF	13980	0.40	0.49	0.0	1.0
S5SADLF	12730	0.39	0.49	0.0	1.0
S6SADLF	11636	0.36	0.48	0.0	1.0
S7SADLF	12971	0.38	0.49	0.0	1.0
S8SADLF	11734	0.36	0.48	0.0	1.0
S9SADLF	10644	0.36	0.48	0.0	1.0
S10SADLF	13434	0.39	0.49	0.0	1.0

S11SADLF	12480	0.40	0.49	0.0	1.0
S12SADLF	11009	0.39	0.49	0.0	1.0
S13SADLF	11772	0.41	0.49	0.0	1.0
S14SADLF	9352	0.41	0.49	0.0	1.0
S15SADLF	8467	0.43	0.50	0.0	1.0
S16SADLF	7825	0.43	0.49	0.0	1.0

Categorical Variable Codes

RwSADLF: R Skip ADLs Flag

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing						7	10	7	9	131
0.Asked ADL questions			11650	13755	12863	12459	13396	12677	11891	14289
1.Skips ADL questions			6341	7629	6715	5699	6723	5785	5317	7614

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	18	16	36	26	74	69
0.Asked ADL questions	13294	12386	13303	11001	9702	9947
1.Skips ADL questions	7242	6345	7573	6119	5947	5771

SwSADLF: S Skip ADLs Flag

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing						3	1	1	2	79
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR			417	536	311	220	380	317	365	724
0.Asked ADL questions			7156	8348	7778	7457	8039	7480	6845	8147
1.Skips ADL questions			4761	5632	4952	4179	4932	4254	3799	5287

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	4	3	7	6	10	15
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.Asked ADL questions	7471	6687	6934	5537	4800	4495
1.Skips ADL questions	5009	4322	4838	3815	3667	3330

How Constructed

RwSADLF indicates if the Respondent was not asked (i.e. skipped) the activities of daily living (ADL) questions. SwSADLF is the same information for the Respondent's spouse or partner.

From Wave 3 forward, ADL questions are skipped if no difficulty was reported with any of the tasks asked about earlier (See the "Other Functional Limitations" sections). In these cases, Rw[adl] is set to .S=Skip and Rw[adl]A is set to "0.No" (for no difficulty.) From Wave 4 forward, if difficulty with only one prior task and no difficulty with dressing was reported, the questions about the rest of the ADLs are skipped. In these cases, the rest of the Rw[adl] variables are set to .S=Skip and the rest of the Rw[adl]A variables are set to "0.No" (for no difficulty.) The assumption is that, since the Respondent had no difficulty with the earlier activities, they would also have reported no difficulty to the activities in the skipped questions.

RwSADLF indicates which Respondents skipped the ADL questions. A value of zero (0) indicates that the Respondent did not skip the ADL questions. A value of one (1) indicates that the Respondent skipped the ADL questions and the Rw[adl] variables were set to .S=Skip and the rest of the Rw[adl]A variables were set to "0.No" (for no difficulty.) A special missing value of .M indicates that the Respondent skipped earlier questions as well and may or may not have answered the ADL questions.

This variable is available from Wave 3 forward.

SwSADLF is taken from the Wave "w" spouse's self-reported RwSADLF variable.

HRS Variables Used

```
AHEAD 1995:
    D1870           ADLCK.CKPT FOR SKIPPING ADL SERIES
HRS 1996:
    E1894           ADLCK.CKPT FOR SKIPPING ADL SERIES
HRS 1998:
    F2421           E71.PICK DIME
    F2425           E73F.DRESS DIFF
HRS 2000:
    G2719           E71.PICK DIME
    G2723           E73Y1.DRESS DIFF
HRS 2002-2022:
    xG013           CHKPNT: COUNT OF HG001 THROUGH HG012
```

Activities of daily living (ADLs): Raw recodes

Wave	Variable	Label	Type
1	R1WALKR	R1WALKR:W1 R Diff-Walk across room	Categ
2	R2WALKR	R2WALKR:W2 R Diff-Walk across room	Categ
3	R3WALKR	R3WALKR:W3 R Diff-Walk across room	Categ
4	R4WALKR	R4WALKR:W4 R Diff-Walk across room	Categ
5	R5WALKR	R5WALKR:W5 R Diff-Walk across room	Categ
6	R6WALKR	R6WALKR:W6 R Diff-Walk across room	Categ
7	R7WALKR	R7WALKR:W7 R Diff-Walk across room	Categ
8	R8WALKR	R8WALKR:W8 R Diff-Walk across room	Categ
9	R9WALKR	R9WALKR:W9 R Diff-Walk across room	Categ
10	R10WALKR	R10WALKR:W10 R Diff-Walk across room	Categ
11	R11WALKR	R11WALKR:W11 R Diff-Walk across room	Categ
12	R12WALKR	R12WALKR:W12 R Diff-Walk across room	Categ
13	R13WALKR	R13WALKR:W13 R Diff-Walk across room	Categ
14	R14WALKR	R14WALKR:W14 R Diff-Walk across room	Categ
15	R15WALKR	R15WALKR:W15 R Diff-Walk across room	Categ
16	R16WALKR	R16WALKR:W16 R Diff-Walk across room	Categ
1	S1WALKR	S1WALKR:W1 S Diff-Walk across room	Categ
2	S2WALKR	S2WALKR:W2 S Diff-Walk across room	Categ
3	S3WALKR	S3WALKR:W3 S Diff-Walk across room	Categ
4	S4WALKR	S4WALKR:W4 S Diff-Walk across room	Categ
5	S5WALKR	S5WALKR:W5 S Diff-Walk across room	Categ
6	S6WALKR	S6WALKR:W6 S Diff-Walk across room	Categ
7	S7WALKR	S7WALKR:W7 S Diff-Walk across room	Categ
8	S8WALKR	S8WALKR:W8 S Diff-Walk across room	Categ
9	S9WALKR	S9WALKR:W9 S Diff-Walk across room	Categ
10	S10WALKR	S10WALKR:W10 S Diff-Walk across room	Categ
11	S11WALKR	S11WALKR:W11 S Diff-Walk across room	Categ
12	S12WALKR	S12WALKR:W12 S Diff-Walk across room	Categ
13	S13WALKR	S13WALKR:W13 S Diff-Walk across room	Categ
14	S14WALKR	S14WALKR:W14 S Diff-Walk across room	Categ
15	S15WALKR	S15WALKR:W15 S Diff-Walk across room	Categ
16	S16WALKR	S16WALKR:W16 S Diff-Walk across room	Categ
2	R2WALKRH	R2WALKRH:W2 R Gets Help-Walk across room	Categ
3	R3WALKRH	R3WALKRH:W3 R Gets Help-Walk across room	Categ
4	R4WALKRH	R4WALKRH:W4 R Gets Help-Walk across room	Categ
5	R5WALKRH	R5WALKRH:W5 R Gets Help-Walk across room	Categ
6	R6WALKRH	R6WALKRH:W6 R Gets Help-Walk across room	Categ
7	R7WALKRH	R7WALKRH:W7 R Gets Help-Walk across room	Categ
8	R8WALKRH	R8WALKRH:W8 R Gets Help-Walk across room	Categ
9	R9WALKRH	R9WALKRH:W9 R Gets Help-Walk across room	Categ
10	R10WALKRH	R10WALKRH:W10 R Gets Help-Walk across room	Categ
11	R11WALKRH	R11WALKRH:W11 R Gets Help-Walk across room	Categ
12	R12WALKRH	R12WALKRH:W12 R Gets Help-Walk across room	Categ
13	R13WALKRH	R13WALKRH:W13 R Gets Help-Walk across room	Categ
14	R14WALKRH	R14WALKRH:W14 R Gets Help-Walk across room	Categ
15	R15WALKRH	R15WALKRH:W15 R Gets Help-Walk across room	Categ
16	R16WALKRH	R16WALKRH:W16 R Gets Help-Walk across room	Categ
2	S2WALKRH	S2WALKRH:W2 S Gets Help-Walk across room	Categ
3	S3WALKRH	S3WALKRH:W3 S Gets Help-Walk across room	Categ
4	S4WALKRH	S4WALKRH:W4 S Gets Help-Walk across room	Categ
5	S5WALKRH	S5WALKRH:W5 S Gets Help-Walk across room	Categ
6	S6WALKRH	S6WALKRH:W6 S Gets Help-Walk across room	Categ
7	S7WALKRH	S7WALKRH:W7 S Gets Help-Walk across room	Categ
8	S8WALKRH	S8WALKRH:W8 S Gets Help-Walk across room	Categ
9	S9WALKRH	S9WALKRH:W9 S Gets Help-Walk across room	Categ
10	S10WALKRH	S10WALKRH:W10 S Gets Help-Walk across room	Categ
11	S11WALKRH	S11WALKRH:W11 S Gets Help-Walk across room	Categ
12	S12WALKRH	S12WALKRH:W12 S Gets Help-Walk across room	Categ
13	S13WALKRH	S13WALKRH:W13 S Gets Help-Walk across room	Categ
14	S14WALKRH	S14WALKRH:W14 S Gets Help-Walk across room	Categ
15	S15WALKRH	S15WALKRH:W15 S Gets Help-Walk across room	Categ
16	S16WALKRH	S16WALKRH:W16 S Gets Help-Walk across room	Categ

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 2    R2WALKRE            R2WALKRE:W2 R Eqp-Walk across room                          Categ
 3    R3WALKRE            R3WALKRE:W3 R Eqp-Walk across room                          Categ
 4    R4WALKRE            R4WALKRE:W4 R Eqp-Walk across room                          Categ
 5    R5WALKRE            R5WALKRE:W5 R Eqp-Walk across room                          Categ
 6    R6WALKRE            R6WALKRE:W6 R Eqp-Walk across room                          Categ
 7    R7WALKRE            R7WALKRE:W7 R Eqp-Walk across room                          Categ
 8    R8WALKRE            R8WALKRE:W8 R Eqp-Walk across room                          Categ
 9    R9WALKRE            R9WALKRE:W9 R Eqp-Walk across room                          Categ
10    R10WALKRE           R10WALKRE:W10 R Eqp-Walk across room                        Categ
11    R11WALKRE           R11WALKRE:W11 R Eqp-Walk across room                        Categ
12    R12WALKRE           R12WALKRE:W12 R Eqp-Walk across room                        Categ
13    R13WALKRE           R13WALKRE:W13 R Eqp-Walk across room                        Categ
14    R14WALKRE           R14WALKRE:W14 R Eqp-Walk across room                        Categ
15    R15WALKRE           R15WALKRE:W15 R Eqp-Walk across room                        Categ
16    R16WALKRE           R16WALKRE:W16 R Eqp-Walk across room                        Categ

 2    S2WALKRE            S2WALKRE:W2 S Eqp-Walk across room                          Categ
 3    S3WALKRE            S3WALKRE:W3 S Eqp-Walk across room                          Categ
 4    S4WALKRE            S4WALKRE:W4 S Eqp-Walk across room                          Categ
 5    S5WALKRE            S5WALKRE:W5 S Eqp-Walk across room                          Categ
 6    S6WALKRE            S6WALKRE:W6 S Eqp-Walk across room                          Categ
 7    S7WALKRE            S7WALKRE:W7 S Eqp-Walk across room                          Categ
 8    S8WALKRE            S8WALKRE:W8 S Eqp-Walk across room                          Categ
 9    S9WALKRE            S9WALKRE:W9 S Eqp-Walk across room                          Categ
10    S10WALKRE           S10WALKRE:W10 S Eqp-Walk across room                        Categ
11    S11WALKRE           S11WALKRE:W11 S Eqp-Walk across room                        Categ
12    S12WALKRE           S12WALKRE:W12 S Eqp-Walk across room                        Categ
13    S13WALKRE           S13WALKRE:W13 S Eqp-Walk across room                        Categ
14    S14WALKRE           S14WALKRE:W14 S Eqp-Walk across room                        Categ
15    S15WALKRE           S15WALKRE:W15 S Eqp-Walk across room                        Categ
16    S16WALKRE           S16WALKRE:W16 S Eqp-Walk across room                        Categ

 1    R1DRESS             R1DRESS:W1 R Diff-Dressing                                  Categ
 2    R2DRESS             R2DRESS:W2 R Diff-Dressing                                  Categ
 3    R3DRESS             R3DRESS:W3 R Diff-Dressing                                  Categ
 4    R4DRESS             R4DRESS:W4 R Diff-Dressing                                  Categ
 5    R5DRESS             R5DRESS:W5 R Diff-Dressing                                  Categ
 6    R6DRESS             R6DRESS:W6 R Diff-Dressing                                  Categ
 7    R7DRESS             R7DRESS:W7 R Diff-Dressing                                  Categ
 8    R8DRESS             R8DRESS:W8 R Diff-Dressing                                  Categ
 9    R9DRESS             R9DRESS:W9 R Diff-Dressing                                  Categ
10    R10DRESS            R10DRESS:W10 R Diff-Dressing                                Categ
11    R11DRESS            R11DRESS:W11 R Diff-Dressing                                Categ
12    R12DRESS            R12DRESS:W12 R Diff-Dressing                                Categ
13    R13DRESS            R13DRESS:W13 R Diff-Dressing                                Categ
14    R14DRESS            R14DRESS:W14 R Diff-Dressing                                Categ
15    R15DRESS            R15DRESS:W15 R Diff-Dressing                                Categ
16    R16DRESS            R16DRESS:W16 R Diff-Dressing                                Categ

 1    S1DRESS             S1DRESS:W1 S Diff-Dressing                                  Categ
 2    S2DRESS             S2DRESS:W2 S Diff-Dressing                                  Categ
 3    S3DRESS             S3DRESS:W3 S Diff-Dressing                                  Categ
 4    S4DRESS             S4DRESS:W4 S Diff-Dressing                                  Categ
 5    S5DRESS             S5DRESS:W5 S Diff-Dressing                                  Categ
 6    S6DRESS             S6DRESS:W6 S Diff-Dressing                                  Categ
 7    S7DRESS             S7DRESS:W7 S Diff-Dressing                                  Categ
 8    S8DRESS             S8DRESS:W8 S Diff-Dressing                                  Categ
 9    S9DRESS             S9DRESS:W9 S Diff-Dressing                                  Categ
10    S10DRESS            S10DRESS:W10 S Diff-Dressing                                Categ
11    S11DRESS            S11DRESS:W11 S Diff-Dressing                                Categ
12    S12DRESS            S12DRESS:W12 S Diff-Dressing                                Categ
13    S13DRESS            S13DRESS:W13 S Diff-Dressing                                Categ
14    S14DRESS            S14DRESS:W14 S Diff-Dressing                                Categ
15    S15DRESS            S15DRESS:W15 S Diff-Dressing                                Categ
16    S16DRESS            S16DRESS:W16 S Diff-Dressing                                Categ

 2    R2DRESSH            R2DRESSH:W2 R Gets Help-Dressing                            Categ
 3    R3DRESSH            R3DRESSH:W3 R Gets Help-Dressing                            Categ
 4    R4DRESSH            R4DRESSH:W4 R Gets Help-Dressing                            Categ
 5    R5DRESSH            R5DRESSH:W5 R Gets Help-Dressing                            Categ
 6    R6DRESSH            R6DRESSH:W6 R Gets Help-Dressing                            Categ
 7    R7DRESSH            R7DRESSH:W7 R Gets Help-Dressing                            Categ
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8	R8DRESSH	R8DRESSH:W8 R Gets Help-Dressing	Categ
9	R9DRESSH	R9DRESSH:W9 R Gets Help-Dressing	Categ
10	R10DRESSH	R10DRESSH:W10 R Gets Help-Dressing	Categ
11	R11DRESSH	R11DRESSH:W11 R Gets Help-Dressing	Categ
12	R12DRESSH	R12DRESSH:W12 R Gets Help-Dressing	Categ
13	R13DRESSH	R13DRESSH:W13 R Gets Help-Dressing	Categ
14	R14DRESSH	R14DRESSH:W14 R Gets Help-Dressing	Categ
15	R15DRESSH	R15DRESSH:W15 R Gets Help-Dressing	Categ
16	R16DRESSH	R16DRESSH:W16 R Gets Help-Dressing	Categ
2	S2DRESSH	S2DRESSH:W2 S Gets Help-Dressing	Categ
3	S3DRESSH	S3DRESSH:W3 S Gets Help-Dressing	Categ
4	S4DRESSH	S4DRESSH:W4 S Gets Help-Dressing	Categ
5	S5DRESSH	S5DRESSH:W5 S Gets Help-Dressing	Categ
6	S6DRESSH	S6DRESSH:W6 S Gets Help-Dressing	Categ
7	S7DRESSH	S7DRESSH:W7 S Gets Help-Dressing	Categ
8	S8DRESSH	S8DRESSH:W8 S Gets Help-Dressing	Categ
9	S9DRESSH	S9DRESSH:W9 S Gets Help-Dressing	Categ
10	S10DRESSH	S10DRESSH:W10 S Gets Help-Dressing	Categ
11	S11DRESSH	S11DRESSH:W11 S Gets Help-Dressing	Categ
12	S12DRESSH	S12DRESSH:W12 S Gets Help-Dressing	Categ
13	S13DRESSH	S13DRESSH:W13 S Gets Help-Dressing	Categ
14	S14DRESSH	S14DRESSH:W14 S Gets Help-Dressing	Categ
15	S15DRESSH	S15DRESSH:W15 S Gets Help-Dressing	Categ
16	S16DRESSH	S16DRESSH:W16 S Gets Help-Dressing	Categ
1	R1BATH	R1BATH:W1 R Diff-Bathing or showerng	Categ
2	R2BATH	R2BATH:W2 R Diff-Bathing or showerng	Categ
3	R3BATH	R3BATH:W3 R Diff-Bathing or showerng	Categ
4	R4BATH	R4BATH:W4 R Diff-Bathing or showerng	Categ
5	R5BATH	R5BATH:W5 R Diff-Bathing or showerng	Categ
6	R6BATH	R6BATH:W6 R Diff-Bathing or showerng	Categ
7	R7BATH	R7BATH:W7 R Diff-Bathing or showerng	Categ
8	R8BATH	R8BATH:W8 R Diff-Bathing or showerng	Categ
9	R9BATH	R9BATH:W9 R Diff-Bathing or showerng	Categ
10	R10BATH	R10BATH:W10 R Diff-Bathing or showerng	Categ
11	R11BATH	R11BATH:W11 R Diff-Bathing or showerng	Categ
12	R12BATH	R12BATH:W12 R Diff-Bathing or showerng	Categ
13	R13BATH	R13BATH:W13 R Diff-Bathing or showerng	Categ
14	R14BATH	R14BATH:W14 R Diff-Bathing or showerng	Categ
15	R15BATH	R15BATH:W15 R Diff-Bathing or showerng	Categ
16	R16BATH	R16BATH:W16 R Diff-Bathing or showerng	Categ
1	S1BATH	S1BATH:W1 S Diff-Bathing or showerng	Categ
2	S2BATH	S2BATH:W2 S Diff-Bathing or showerng	Categ
3	S3BATH	S3BATH:W3 S Diff-Bathing or showerng	Categ
4	S4BATH	S4BATH:W4 S Diff-Bathing or showerng	Categ
5	S5BATH	S5BATH:W5 S Diff-Bathing or showerng	Categ
6	S6BATH	S6BATH:W6 S Diff-Bathing or showerng	Categ
7	S7BATH	S7BATH:W7 S Diff-Bathing or showerng	Categ
8	S8BATH	S8BATH:W8 S Diff-Bathing or showerng	Categ
9	S9BATH	S9BATH:W9 S Diff-Bathing or showerng	Categ
10	S10BATH	S10BATH:W10 S Diff-Bathing or showerng	Categ
11	S11BATH	S11BATH:W11 S Diff-Bathing or showerng	Categ
12	S12BATH	S12BATH:W12 S Diff-Bathing or showerng	Categ
13	S13BATH	S13BATH:W13 S Diff-Bathing or showerng	Categ
14	S14BATH	S14BATH:W14 S Diff-Bathing or showerng	Categ
15	S15BATH	S15BATH:W15 S Diff-Bathing or showerng	Categ
16	S16BATH	S16BATH:W16 S Diff-Bathing or showerng	Categ
2	R2BATHH	R2BATHH:W2 R Gets Help-Bathing, showerng	Categ
3	R3BATHH	R3BATHH:W3 R Gets Help-Bathing, showerng	Categ
4	R4BATHH	R4BATHH:W4 R Gets Help-Bathing, showerng	Categ
5	R5BATHH	R5BATHH:W5 R Gets Help-Bathing, showerng	Categ
6	R6BATHH	R6BATHH:W6 R Gets Help-Bathing, showerng	Categ
7	R7BATHH	R7BATHH:W7 R Gets Help-Bathing, showerng	Categ
8	R8BATHH	R8BATHH:W8 R Gets Help-Bathing, showerng	Categ
9	R9BATHH	R9BATHH:W9 R Gets Help-Bathing, showerng	Categ
10	R10BATHH	R10BATHH:W10 R Gets Help-Bathing, showerng	Categ
11	R11BATHH	R11BATHH:W11 R Gets Help-Bathing, showerng	Categ
12	R12BATHH	R12BATHH:W12 R Gets Help-Bathing, showerng	Categ
13	R13BATHH	R13BATHH:W13 R Gets Help-Bathing, showerng	Categ

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14    R14BATHH            R14BATHH:W14 R Gets Help-Bathing, showerng                    Categ
15    R15BATHH            R15BATHH:W15 R Gets Help-Bathing, showerng                    Categ
16    R16BATHH            R16BATHH:W16 R Gets Help-Bathing, showerng                    Categ

 2    S2BATHH             S2BATHH:W2 S Gets Help-Bathing, showerng                      Categ
 3    S3BATHH             S3BATHH:W3 S Gets Help-Bathing, showerng                      Categ
 4    S4BATHH             S4BATHH:W4 S Gets Help-Bathing, showerng                      Categ
 5    S5BATHH             S5BATHH:W5 S Gets Help-Bathing, showerng                      Categ
 6    S6BATHH             S6BATHH:W6 S Gets Help-Bathing, showerng                      Categ
 7    S7BATHH             S7BATHH:W7 S Gets Help-Bathing, showerng                      Categ
 8    S8BATHH             S8BATHH:W8 S Gets Help-Bathing, showerng                      Categ
 9    S9BATHH             S9BATHH:W9 S Gets Help-Bathing, showerng                      Categ
10    S10BATHH            S10BATHH:W10 S Gets Help-Bathing, showerng                    Categ
11    S11BATHH            S11BATHH:W11 S Gets Help-Bathing, showerng                    Categ
12    S12BATHH            S12BATHH:W12 S Gets Help-Bathing, showerng                    Categ
13    S13BATHH            S13BATHH:W13 S Gets Help-Bathing, showerng                    Categ
14    S14BATHH            S14BATHH:W14 S Gets Help-Bathing, showerng                    Categ
15    S15BATHH            S15BATHH:W15 S Gets Help-Bathing, showerng                    Categ
16    S16BATHH            S16BATHH:W16 S Gets Help-Bathing, showerng                    Categ

 1    R1EAT               R1EAT:W1 R Diff-Eating                                       Categ
 2    R2EAT               R2EAT:W2 R Diff-Eating                                       Categ
 3    R3EAT               R3EAT:W3 R Diff-Eating                                       Categ
 4    R4EAT               R4EAT:W4 R Diff-Eating                                       Categ
 5    R5EAT               R5EAT:W5 R Diff-Eating                                       Categ
 6    R6EAT               R6EAT:W6 R Diff-Eating                                       Categ
 7    R7EAT               R7EAT:W7 R Diff-Eating                                       Categ
 8    R8EAT               R8EAT:W8 R Diff-Eating                                       Categ
 9    R9EAT               R9EAT:W9 R Diff-Eating                                       Categ
10    R10EAT              R10EAT:W10 R Diff-Eating                                     Categ
11    R11EAT              R11EAT:W11 R Diff-Eating                                     Categ
12    R12EAT              R12EAT:W12 R Diff-Eating                                     Categ
13    R13EAT              R13EAT:W13 R Diff-Eating                                     Categ
14    R14EAT              R14EAT:W14 R Diff-Eating                                     Categ
15    R15EAT              R15EAT:W15 R Diff-Eating                                     Categ
16    R16EAT              R16EAT:W16 R Diff-Eating                                     Categ

 1    S1EAT               S1EAT:W1 S Diff-Eating                                       Categ
 2    S2EAT               S2EAT:W2 S Diff-Eating                                       Categ
 3    S3EAT               S3EAT:W3 S Diff-Eating                                       Categ
 4    S4EAT               S4EAT:W4 S Diff-Eating                                       Categ
 5    S5EAT               S5EAT:W5 S Diff-Eating                                       Categ
 6    S6EAT               S6EAT:W6 S Diff-Eating                                       Categ
 7    S7EAT               S7EAT:W7 S Diff-Eating                                       Categ
 8    S8EAT               S8EAT:W8 S Diff-Eating                                       Categ
 9    S9EAT               S9EAT:W9 S Diff-Eating                                       Categ
10    S10EAT              S10EAT:W10 S Diff-Eating                                     Categ
11    S11EAT              S11EAT:W11 S Diff-Eating                                     Categ
12    S12EAT              S12EAT:W12 S Diff-Eating                                     Categ
13    S13EAT              S13EAT:W13 S Diff-Eating                                     Categ
14    S14EAT              S14EAT:W14 S Diff-Eating                                     Categ
15    S15EAT              S15EAT:W15 S Diff-Eating                                     Categ
16    S16EAT              S16EAT:W16 S Diff-Eating                                     Categ

 2    R2EATH              R2EATH:W2 R Gets Help-Eating                                 Categ
 3    R3EATH              R3EATH:W3 R Gets Help-Eating                                 Categ
 4    R4EATH              R4EATH:W4 R Gets Help-Eating                                 Categ
 5    R5EATH              R5EATH:W5 R Gets Help-Eating                                 Categ
 6    R6EATH              R6EATH:W6 R Gets Help-Eating                                 Categ
 7    R7EATH              R7EATH:W7 R Gets Help-Eating                                 Categ
 8    R8EATH              R8EATH:W8 R Gets Help-Eating                                 Categ
 9    R9EATH              R9EATH:W9 R Gets Help-Eating                                 Categ
10    R10EATH             R10EATH:W10 R Gets Help-Eating                               Categ
11    R11EATH             R11EATH:W11 R Gets Help-Eating                               Categ
12    R12EATH             R12EATH:W12 R Gets Help-Eating                               Categ
13    R13EATH             R13EATH:W13 R Gets Help-Eating                               Categ
14    R14EATH             R14EATH:W14 R Gets Help-Eating                               Categ
15    R15EATH             R15EATH:W15 R Gets Help-Eating                               Categ
16    R16EATH             R16EATH:W16 R Gets Help-Eating                               Categ

 2    S2EATH              S2EATH:W2 S Gets Help-Eating                                 Categ
 3    S3EATH              S3EATH:W3 S Gets Help-Eating                                 Categ
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 4    S4EATH              S4EATH:W4 S Gets Help-Eating                                  Categ
 5    S5EATH              S5EATH:W5 S Gets Help-Eating                                  Categ
 6    S6EATH              S6EATH:W6 S Gets Help-Eating                                  Categ
 7    S7EATH              S7EATH:W7 S Gets Help-Eating                                  Categ
 8    S8EATH              S8EATH:W8 S Gets Help-Eating                                  Categ
 9    S9EATH              S9EATH:W9 S Gets Help-Eating                                  Categ
10    S10EATH             S10EATH:W10 S Gets Help-Eating                                Categ
11    S11EATH             S11EATH:W11 S Gets Help-Eating                                Categ
12    S12EATH             S12EATH:W12 S Gets Help-Eating                                Categ
13    S13EATH             S13EATH:W13 S Gets Help-Eating                                Categ
14    S14EATH             S14EATH:W14 S Gets Help-Eating                                Categ
15    S15EATH             S15EATH:W15 S Gets Help-Eating                                Categ
16    S16EATH             S16EATH:W16 S Gets Help-Eating                                Categ

 1    R1BED               R1BED:W1 R Diff-Get in/out of bed                             Categ
 2    R2BED               R2BED:W2 R Diff-Get in/out of bed                             Categ
 3    R3BED               R3BED:W3 R Diff-Get in/out of bed                             Categ
 4    R4BED               R4BED:W4 R Diff-Get in/out of bed                             Categ
 5    R5BED               R5BED:W5 R Diff-Get in/out of bed                             Categ
 6    R6BED               R6BED:W6 R Diff-Get in/out of bed                             Categ
 7    R7BED               R7BED:W7 R Diff-Get in/out of bed                             Categ
 8    R8BED               R8BED:W8 R Diff-Get in/out of bed                             Categ
 9    R9BED               R9BED:W9 R Diff-Get in/out of bed                             Categ
10    R10BED              R10BED:W10 R Diff-Get in/out of bed                           Categ
11    R11BED              R11BED:W11 R Diff-Get in/out of bed                           Categ
12    R12BED              R12BED:W12 R Diff-Get in/out of bed                           Categ
13    R13BED              R13BED:W13 R Diff-Get in/out of bed                           Categ
14    R14BED              R14BED:W14 R Diff-Get in/out of bed                           Categ
15    R15BED              R15BED:W15 R Diff-Get in/out of bed                           Categ
16    R16BED              R16BED:W16 R Diff-Get in/out of bed                           Categ

 1    S1BED               S1BED:W1 S Diff-Get in/out of bed                             Categ
 2    S2BED               S2BED:W2 S Diff-Get in/out of bed                             Categ
 3    S3BED               S3BED:W3 S Diff-Get in/out of bed                             Categ
 4    S4BED               S4BED:W4 S Diff-Get in/out of bed                             Categ
 5    S5BED               S5BED:W5 S Diff-Get in/out of bed                             Categ
 6    S6BED               S6BED:W6 S Diff-Get in/out of bed                             Categ
 7    S7BED               S7BED:W7 S Diff-Get in/out of bed                             Categ
 8    S8BED               S8BED:W8 S Diff-Get in/out of bed                             Categ
 9    S9BED               S9BED:W9 S Diff-Get in/out of bed                             Categ
10    S10BED              S10BED:W10 S Diff-Get in/out of bed                           Categ
11    S11BED              S11BED:W11 S Diff-Get in/out of bed                           Categ
12    S12BED              S12BED:W12 S Diff-Get in/out of bed                           Categ
13    S13BED              S13BED:W13 S Diff-Get in/out of bed                           Categ
14    S14BED              S14BED:W14 S Diff-Get in/out of bed                           Categ
15    S15BED              S15BED:W15 S Diff-Get in/out of bed                           Categ
16    S16BED              S16BED:W16 S Diff-Get in/out of bed                           Categ

 2    R2BEDH              R2BEDH:W2 R Gets Help-Get in/out of bed                       Categ
 3    R3BEDH              R3BEDH:W3 R Gets Help-Get in/out of bed                       Categ
 4    R4BEDH              R4BEDH:W4 R Gets Help-Get in/out of bed                       Categ
 5    R5BEDH              R5BEDH:W5 R Gets Help-Get in/out of bed                       Categ
 6    R6BEDH              R6BEDH:W6 R Gets Help-Get in/out of bed                       Categ
 7    R7BEDH              R7BEDH:W7 R Gets Help-Get in/out of bed                       Categ
 8    R8BEDH              R8BEDH:W8 R Gets Help-Get in/out of bed                       Categ
 9    R9BEDH              R9BEDH:W9 R Gets Help-Get in/out of bed                       Categ
10    R10BEDH             R10BEDH:W10 R Gets Help-Get in/out of bed                     Categ
11    R11BEDH             R11BEDH:W11 R Gets Help-Get in/out of bed                     Categ
12    R12BEDH             R12BEDH:W12 R Gets Help-Get in/out of bed                     Categ
13    R13BEDH             R13BEDH:W13 R Gets Help-Get in/out of bed                     Categ
14    R14BEDH             R14BEDH:W14 R Gets Help-Get in/out of bed                     Categ
15    R15BEDH             R15BEDH:W15 R Gets Help-Get in/out of bed                     Categ
16    R16BEDH             R16BEDH:W16 R Gets Help-Get in/out of bed                     Categ

 2    S2BEDH              S2BEDH:W2 S Gets Help-Get in/out of bed                       Categ
 3    S3BEDH              S3BEDH:W3 S Gets Help-Get in/out of bed                       Categ
 4    S4BEDH              S4BEDH:W4 S Gets Help-Get in/out of bed                       Categ
 5    S5BEDH              S5BEDH:W5 S Gets Help-Get in/out of bed                       Categ
 6    S6BEDH              S6BEDH:W6 S Gets Help-Get in/out of bed                       Categ
 7    S7BEDH              S7BEDH:W7 S Gets Help-Get in/out of bed                       Categ
 8    S8BEDH              S8BEDH:W8 S Gets Help-Get in/out of bed                       Categ
 9    S9BEDH              S9BEDH:W9 S Gets Help-Get in/out of bed                       Categ
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10	S10BEDH	S10BEDH:W10 S Gets Help-Get in/out of bed	Categ
11	S11BEDH	S11BEDH:W11 S Gets Help-Get in/out of bed	Categ
12	S12BEDH	S12BEDH:W12 S Gets Help-Get in/out of bed	Categ
13	S13BEDH	S13BEDH:W13 S Gets Help-Get in/out of bed	Categ
14	S14BEDH	S14BEDH:W14 S Gets Help-Get in/out of bed	Categ
15	S15BEDH	S15BEDH:W15 S Gets Help-Get in/out of bed	Categ
16	S16BEDH	S16BEDH:W16 S Gets Help-Get in/out of bed	Categ
2	R2BEDE	R2BEDE:W2 R Use Eqp-Get in/out of bed	Categ
3	R3BEDE	R3BEDE:W3 R Use Eqp-Get in/out of bed	Categ
4	R4BEDE	R4BEDE:W4 R Use Eqp-Get in/out of bed	Categ
5	R5BEDE	R5BEDE:W5 R Use Eqp-Get in/out of bed	Categ
6	R6BEDE	R6BEDE:W6 R Use Eqp-Get in/out of bed	Categ
7	R7BEDE	R7BEDE:W7 R Use Eqp-Get in/out of bed	Categ
8	R8BEDE	R8BEDE:W8 R Use Eqp-Get in/out of bed	Categ
9	R9BEDE	R9BEDE:W9 R Use Eqp-Get in/out of bed	Categ
10	R10BEDE	R10BEDE:W10 R Use Eqp-Get in/out of bed	Categ
11	R11BEDE	R11BEDE:W11 R Use Eqp-Get in/out of bed	Categ
12	R12BEDE	R12BEDE:W12 R Use Eqp-Get in/out of bed	Categ
13	R13BEDE	R13BEDE:W13 R Use Eqp-Get in/out of bed	Categ
14	R14BEDE	R14BEDE:W14 R Use Eqp-Get in/out of bed	Categ
15	R15BEDE	R15BEDE:W15 R Use Eqp-Get in/out of bed	Categ
16	R16BEDE	R16BEDE:W16 R Use Eqp-Get in/out of bed	Categ
2	S2BEDE	S2BEDE:W2 S Use Eqp-Get in/out of bed	Categ
3	S3BEDE	S3BEDE:W3 S Use Eqp-Get in/out of bed	Categ
4	S4BEDE	S4BEDE:W4 S Use Eqp-Get in/out of bed	Categ
5	S5BEDE	S5BEDE:W5 S Use Eqp-Get in/out of bed	Categ
6	S6BEDE	S6BEDE:W6 S Use Eqp-Get in/out of bed	Categ
7	S7BEDE	S7BEDE:W7 S Use Eqp-Get in/out of bed	Categ
8	S8BEDE	S8BEDE:W8 S Use Eqp-Get in/out of bed	Categ
9	S9BEDE	S9BEDE:W9 S Use Eqp-Get in/out of bed	Categ
10	S10BEDE	S10BEDE:W10 S Use Eqp-Get in/out of bed	Categ
11	S11BEDE	S11BEDE:W11 S Use Eqp-Get in/out of bed	Categ
12	S12BEDE	S12BEDE:W12 S Use Eqp-Get in/out of bed	Categ
13	S13BEDE	S13BEDE:W13 S Use Eqp-Get in/out of bed	Categ
14	S14BEDE	S14BEDE:W14 S Use Eqp-Get in/out of bed	Categ
15	S15BEDE	S15BEDE:W15 S Use Eqp-Get in/out of bed	Categ
16	S16BEDE	S16BEDE:W16 S Use Eqp-Get in/out of bed	Categ
2	R2TOILT	R2TOILT:W2 R Diff-Using the toilet	Categ
3	R3TOILT	R3TOILT:W3 R Diff-Using the toilet	Categ
4	R4TOILT	R4TOILT:W4 R Diff-Using the toilet	Categ
5	R5TOILT	R5TOILT:W5 R Diff-Using the toilet	Categ
6	R6TOILT	R6TOILT:W6 R Diff-Using the toilet	Categ
7	R7TOILT	R7TOILT:W7 R Diff-Using the toilet	Categ
8	R8TOILT	R8TOILT:W8 R Diff-Using the toilet	Categ
9	R9TOILT	R9TOILT:W9 R Diff-Using the toilet	Categ
10	R10TOILT	R10TOILT:W10 R Diff-Using the toilet	Categ
11	R11TOILT	R11TOILT:W11 R Diff-Using the toilet	Categ
12	R12TOILT	R12TOILT:W12 R Diff-Using the toilet	Categ
13	R13TOILT	R13TOILT:W13 R Diff-Using the toilet	Categ
14	R14TOILT	R14TOILT:W14 R Diff-Using the toilet	Categ
15	R15TOILT	R15TOILT:W15 R Diff-Using the toilet	Categ
16	R16TOILT	R16TOILT:W16 R Diff-Using the toilet	Categ
2	S2TOILT	S2TOILT:W2 S Diff-Using the toilet	Categ
3	S3TOILT	S3TOILT:W3 S Diff-Using the toilet	Categ
4	S4TOILT	S4TOILT:W4 S Diff-Using the toilet	Categ
5	S5TOILT	S5TOILT:W5 S Diff-Using the toilet	Categ
6	S6TOILT	S6TOILT:W6 S Diff-Using the toilet	Categ
7	S7TOILT	S7TOILT:W7 S Diff-Using the toilet	Categ
8	S8TOILT	S8TOILT:W8 S Diff-Using the toilet	Categ
9	S9TOILT	S9TOILT:W9 S Diff-Using the toilet	Categ
10	S10TOILT	S10TOILT:W10 S Diff-Using the toilet	Categ
11	S11TOILT	S11TOILT:W11 S Diff-Using the toilet	Categ
12	S12TOILT	S12TOILT:W12 S Diff-Using the toilet	Categ
13	S13TOILT	S13TOILT:W13 S Diff-Using the toilet	Categ
14	S14TOILT	S14TOILT:W14 S Diff-Using the toilet	Categ
15	S15TOILT	S15TOILT:W15 S Diff-Using the toilet	Categ
16	S16TOILT	S16TOILT:W16 S Diff-Using the toilet	Categ

2	R2TOILTH	R2TOILTH:W2 R Gets Help-Using the toilet	Categ
3	R3TOILTH	R3TOILTH:W3 R Gets Help-Using the toilet	Categ
4	R4TOILTH	R4TOILTH:W4 R Gets Help-Using the toilet	Categ
5	R5TOILTH	R5TOILTH:W5 R Gets Help-Using the toilet	Categ
6	R6TOILTH	R6TOILTH:W6 R Gets Help-Using the toilet	Categ
7	R7TOILTH	R7TOILTH:W7 R Gets Help-Using the toilet	Categ
8	R8TOILTH	R8TOILTH:W8 R Gets Help-Using the toilet	Categ
9	R9TOILTH	R9TOILTH:W9 R Gets Help-Using the toilet	Categ
10	R10TOILTH	R10TOILTH:W10 R Gets Help-Using the toilet	Categ
11	R11TOILTH	R11TOILTH:W11 R Gets Help-Using the toilet	Categ
12	R12TOILTH	R12TOILTH:W12 R Gets Help-Using the toilet	Categ
13	R13TOILTH	R13TOILTH:W13 R Gets Help-Using the toilet	Categ
14	R14TOILTH	R14TOILTH:W14 R Gets Help-Using the toilet	Categ
15	R15TOILTH	R15TOILTH:W15 R Gets Help-Using the toilet	Categ
16	R16TOILTH	R16TOILTH:W16 R Gets Help-Using the toilet	Categ
2	S2TOILTH	S2TOILTH:W2 S Gets Help-Using the toilet	Categ
3	S3TOILTH	S3TOILTH:W3 S Gets Help-Using the toilet	Categ
4	S4TOILTH	S4TOILTH:W4 S Gets Help-Using the toilet	Categ
5	S5TOILTH	S5TOILTH:W5 S Gets Help-Using the toilet	Categ
6	S6TOILTH	S6TOILTH:W6 S Gets Help-Using the toilet	Categ
7	S7TOILTH	S7TOILTH:W7 S Gets Help-Using the toilet	Categ
8	S8TOILTH	S8TOILTH:W8 S Gets Help-Using the toilet	Categ
9	S9TOILTH	S9TOILTH:W9 S Gets Help-Using the toilet	Categ
10	S10TOILTH	S10TOILTH:W10 S Gets Help-Using the toilet	Categ
11	S11TOILTH	S11TOILTH:W11 S Gets Help-Using the toilet	Categ
12	S12TOILTH	S12TOILTH:W12 S Gets Help-Using the toilet	Categ
13	S13TOILTH	S13TOILTH:W13 S Gets Help-Using the toilet	Categ
14	S14TOILTH	S14TOILTH:W14 S Gets Help-Using the toilet	Categ
15	S15TOILTH	S15TOILTH:W15 S Gets Help-Using the toilet	Categ
16	S16TOILTH	S16TOILTH:W16 S Gets Help-Using the toilet	Categ
E	REWALKRH	REWALKRH:EXIT R got help-Walk across room	Categ
E	REDRESSH	REDRESSH:EXIT R got help-Dressing	Categ
E	REBATHH	REBATHH:EXIT R got help-Bathing, showering	Categ
E	REEATH	REEATH:EXIT R got help-Eating	Categ
E	REBEDH	REBEDH:EXIT R got help-Get in/out bed	Categ
E	RETOILTH	RETOILTH:EXIT R got help-Using the toilet	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WALKR	12652	1.08	0.42	1.0	7.0
R2WALKR	19286	0.11	0.45	0.0	7.0
R3WALKR	11609	0.14	0.47	0.0	7.0
R4WALKR	10332	0.19	0.56	0.0	7.0
R5WALKR	9718	0.20	0.62	0.0	7.0
R6WALKR	9573	0.20	0.58	0.0	7.0
R7WALKR	10282	0.18	0.55	0.0	7.0
R8WALKR	9845	0.19	0.55	0.0	7.0
R9WALKR	9228	0.20	0.59	0.0	7.0
R10WALKR	11082	0.18	0.49	0.0	7.0
R11WALKR	10307	0.18	0.46	0.0	7.0
R12WALKR	9693	0.18	0.47	0.0	7.0
R13WALKR	10282	0.18	0.49	0.0	7.0
R14WALKR	8422	0.18	0.44	0.0	7.0
R15WALKR	7371	0.17	0.45	0.0	7.0
R16WALKR	7717	0.18	0.45	0.0	7.0
S1WALKR	9900	1.06	0.39	1.0	7.0
S2WALKR	12820	0.07	0.39	0.0	7.0
S3WALKR	7144	0.10	0.42	0.0	7.0
S4WALKR	5979	0.13	0.48	0.0	7.0

S5WALKR	5599	0.14	0.47	0.0	7.0
S6WALKR	5431	0.14	0.48	0.0	7.0
S7WALKR	5848	0.13	0.47	0.0	7.0
S8WALKR	5524	0.13	0.43	0.0	7.0
S9WALKR	5021	0.13	0.48	0.0	7.0
S10WALKR	6042	0.13	0.44	0.0	7.0
S11WALKR	5524	0.14	0.41	0.0	7.0
S12WALKR	4984	0.13	0.36	0.0	7.0
S13WALKR	5062	0.14	0.41	0.0	7.0
S14WALKR	3972	0.15	0.40	0.0	7.0
S15WALKR	3446	0.13	0.36	0.0	7.0
S16WALKR	3301	0.14	0.38	0.0	7.0
R2WALKRH	8200	0.12	0.52	0.0	3.0
R3WALKRH	17949	0.03	0.18	0.0	1.0
R4WALKRH	21356	0.03	0.17	0.0	1.0
R5WALKRH	19551	0.03	0.18	0.0	1.0
R6WALKRH	18157	0.04	0.19	0.0	1.0
R7WALKRH	20110	0.03	0.18	0.0	2.0
R8WALKRH	18457	0.03	0.18	0.0	1.0
R9WALKRH	17207	0.04	0.19	0.0	1.0
R10WALKRH	21900	0.04	0.20	0.0	1.0
R11WALKRH	20527	0.04	0.20	0.0	1.0
R12WALKRH	18724	0.05	0.21	0.0	1.0
R13WALKRH	20870	0.04	0.20	0.0	1.0
R14WALKRH	17111	0.04	0.19	0.0	1.0
R15WALKRH	15638	0.03	0.18	0.0	1.0
R16WALKRH	15714	0.04	0.20	0.0	1.0
S2WALKRH	4336	0.10	0.47	0.0	3.0
S3WALKRH	11902	0.02	0.14	0.0	1.0
S4WALKRH	13973	0.02	0.14	0.0	1.0
S5WALKRH	12723	0.02	0.14	0.0	1.0
S6WALKRH	11636	0.02	0.15	0.0	1.0
S7WALKRH	12968	0.02	0.15	0.0	2.0
S8WALKRH	11733	0.02	0.15	0.0	1.0
S9WALKRH	10644	0.02	0.15	0.0	1.0
S10WALKRH	13432	0.03	0.16	0.0	1.0
S11WALKRH	12478	0.03	0.16	0.0	1.0
S12WALKRH	11006	0.03	0.17	0.0	1.0
S13WALKRH	11770	0.03	0.17	0.0	1.0
S14WALKRH	9347	0.03	0.16	0.0	1.0
S15WALKRH	8461	0.03	0.16	0.0	1.0
S16WALKRH	7822	0.03	0.16	0.0	1.0
R2WALKRE	8221	0.20	0.51	0.0	7.0
R3WALKRE	11612	0.17	0.38	0.0	1.0
R4WALKRE	10330	0.22	0.42	0.0	1.0
R5WALKRE	9721	0.24	0.43	0.0	1.0
R6WALKRE	9574	0.26	0.44	0.0	1.0
R7WALKRE	10283	0.25	0.43	0.0	1.0
R8WALKRE	9846	0.26	0.44	0.0	1.0
R9WALKRE	9229	0.27	0.45	0.0	1.0
R10WALKRE	11083	0.27	0.45	0.0	1.0
R11WALKRE	10316	0.30	0.46	0.0	1.0
R12WALKRE	9702	0.32	0.47	0.0	1.0
R13WALKRE	10289	0.31	0.46	0.0	1.0
R14WALKRE	7644	0.34	0.47	0.0	1.0
R15WALKRE	7372	0.32	0.47	0.0	1.0

R16WALKRE	7725	0.33	0.47	0.0	1.0
S2WALKRE	4348	0.15	0.49	0.0	7.0
S3WALKRE	7144	0.12	0.32	0.0	1.0
S4WALKRE	5978	0.16	0.37	0.0	1.0
S5WALKRE	5601	0.17	0.37	0.0	1.0
S6WALKRE	5431	0.19	0.39	0.0	1.0
S7WALKRE	5849	0.18	0.39	0.0	1.0
S8WALKRE	5523	0.18	0.39	0.0	1.0
S9WALKRE	5021	0.19	0.39	0.0	1.0
S10WALKRE	6043	0.21	0.40	0.0	1.0
S11WALKRE	5531	0.23	0.42	0.0	1.0
S12WALKRE	4989	0.25	0.43	0.0	1.0
S13WALKRE	5065	0.24	0.43	0.0	1.0
S14WALKRE	3509	0.29	0.45	0.0	1.0
S15WALKRE	3450	0.26	0.44	0.0	1.0
S16WALKRE	3301	0.27	0.44	0.0	1.0
R1DRESS	12652	1.05	0.31	1.0	7.0
R2DRESS	19638	0.08	0.36	0.0	7.0
R3DRESS	11609	0.18	0.48	0.0	7.0
R4DRESS	13724	0.19	0.51	0.0	7.0
R5DRESS	12833	0.19	0.57	0.0	7.0
R6DRESS	12454	0.18	0.51	0.0	7.0
R7DRESS	13392	0.17	0.51	0.0	7.0
R8DRESS	12668	0.19	0.51	0.0	7.0
R9DRESS	11890	0.19	0.53	0.0	7.0
R10DRESS	14284	0.19	0.46	0.0	7.0
R11DRESS	13281	0.18	0.45	0.0	7.0
R12DRESS	12375	0.20	0.45	0.0	7.0
R13DRESS	13291	0.19	0.45	0.0	7.0
R14DRESS	10994	0.18	0.41	0.0	7.0
R15DRESS	9689	0.18	0.43	0.0	7.0
R16DRESS	9927	0.19	0.45	0.0	7.0
S1DRESS	9900	1.04	0.29	1.0	7.0
S2DRESS	13089	0.05	0.31	0.0	7.0
S3DRESS	7144	0.15	0.44	0.0	7.0
S4DRESS	8340	0.15	0.46	0.0	7.0
S5DRESS	7771	0.15	0.46	0.0	7.0
S6DRESS	7456	0.14	0.42	0.0	7.0
S7DRESS	8038	0.13	0.42	0.0	7.0
S8DRESS	7479	0.15	0.43	0.0	7.0
S9DRESS	6845	0.15	0.47	0.0	7.0
S10DRESS	8146	0.16	0.40	0.0	7.0
S11DRESS	7467	0.15	0.41	0.0	7.0
S12DRESS	6682	0.16	0.41	0.0	7.0
S13DRESS	6931	0.16	0.39	0.0	7.0
S14DRESS	5533	0.15	0.38	0.0	7.0
S15DRESS	4795	0.16	0.39	0.0	7.0
S16DRESS	4490	0.15	0.37	0.0	2.0
R2DRESSH	8210	0.18	0.66	0.0	3.0
R3DRESSH	17951	0.05	0.23	0.0	1.0
R4DRESSH	21356	0.05	0.23	0.0	1.0
R5DRESSH	19552	0.06	0.23	0.0	1.0
R6DRESSH	18155	0.06	0.24	0.0	1.0
R7DRESSH	20113	0.06	0.23	0.0	1.0
R8DRESSH	18458	0.06	0.24	0.0	1.0

R9DRESSH	17207	0.06	0.24	0.0	1.0
R10DRESSH	21900	0.07	0.25	0.0	1.0
R11DRESSH	20530	0.07	0.25	0.0	1.0
R12DRESSH	18727	0.07	0.26	0.0	1.0
R13DRESSH	20871	0.07	0.25	0.0	1.0
R14DRESSH	17111	0.06	0.24	0.0	1.0
R15DRESSH	15643	0.06	0.23	0.0	1.0
R16DRESSH	15713	0.06	0.24	0.0	1.0
S2DRESSH	4340	0.16	0.62	0.0	3.0
S3DRESSH	11904	0.04	0.20	0.0	1.0
S4DRESSH	13973	0.04	0.20	0.0	1.0
S5DRESSH	12723	0.04	0.20	0.0	1.0
S6DRESSH	11635	0.05	0.21	0.0	1.0
S7DRESSH	12968	0.04	0.20	0.0	1.0
S8DRESSH	11734	0.05	0.22	0.0	1.0
S9DRESSH	10643	0.05	0.21	0.0	1.0
S10DRESSH	13433	0.05	0.23	0.0	1.0
S11DRESSH	12478	0.05	0.22	0.0	1.0
S12DRESSH	11008	0.06	0.23	0.0	1.0
S13DRESSH	11772	0.05	0.22	0.0	1.0
S14DRESSH	9348	0.05	0.22	0.0	1.0
S15DRESSH	8464	0.05	0.21	0.0	1.0
S16DRESSH	7822	0.05	0.22	0.0	1.0
R1BATH	12652	1.08	0.44	1.0	7.0
R2BATH	19634	0.08	0.37	0.0	7.0
R3BATH	11609	0.14	0.47	0.0	7.0
R4BATH	10327	0.20	0.55	0.0	7.0
R5BATH	9721	0.20	0.59	0.0	7.0
R6BATH	9572	0.19	0.57	0.0	7.0
R7BATH	10277	0.18	0.54	0.0	7.0
R8BATH	9842	0.18	0.53	0.0	7.0
R9BATH	9229	0.19	0.53	0.0	7.0
R10BATH	11081	0.18	0.45	0.0	7.0
R11BATH	10313	0.19	0.45	0.0	7.0
R12BATH	9698	0.19	0.47	0.0	7.0
R13BATH	10287	0.18	0.42	0.0	7.0
R14BATH	8418	0.17	0.43	0.0	7.0
R15BATH	7911	0.16	0.45	0.0	7.0
R16BATH	7706	0.17	0.42	0.0	7.0
S1BATH	9900	1.06	0.38	1.0	7.0
S2BATH	13086	0.05	0.29	0.0	7.0
S3BATH	7144	0.09	0.37	0.0	7.0
S4BATH	5978	0.14	0.45	0.0	7.0
S5BATH	5602	0.13	0.43	0.0	7.0
S6BATH	5431	0.12	0.43	0.0	7.0
S7BATH	5848	0.12	0.43	0.0	7.0
S8BATH	5522	0.12	0.38	0.0	7.0
S9BATH	5021	0.12	0.43	0.0	7.0
S10BATH	6042	0.13	0.38	0.0	7.0
S11BATH	5530	0.13	0.39	0.0	7.0
S12BATH	4985	0.13	0.36	0.0	7.0
S13BATH	5065	0.12	0.35	0.0	7.0
S14BATH	3970	0.13	0.37	0.0	7.0
S15BATH	3782	0.11	0.32	0.0	2.0
S16BATH	3299	0.12	0.33	0.0	2.0

R2BATHH	8211	0.22	0.75	0.0	3.0
R3BATHH	17952	0.05	0.22	0.0	1.0
R4BATHH	21353	0.05	0.22	0.0	1.0
R5BATHH	19552	0.05	0.22	0.0	1.0
R6BATHH	18157	0.06	0.24	0.0	1.0
R7BATHH	20113	0.05	0.22	0.0	1.0
R8BATHH	18459	0.05	0.23	0.0	1.0
R9BATHH	17208	0.06	0.23	0.0	1.0
R10BATHH	21900	0.05	0.23	0.0	1.0
R11BATHH	20530	0.06	0.23	0.0	1.0
R12BATHH	18729	0.06	0.24	0.0	1.0
R13BATHH	20874	0.05	0.23	0.0	1.0
R14BATHH	17108	0.05	0.21	0.0	1.0
R15BATHH	15566	0.04	0.20	0.0	1.0
R16BATHH	15713	0.05	0.21	0.0	1.0
S2BATHH	4344	0.16	0.66	0.0	3.0
S3BATHH	11905	0.03	0.17	0.0	1.0
S4BATHH	13972	0.03	0.17	0.0	1.0
S5BATHH	12724	0.03	0.17	0.0	1.0
S6BATHH	11636	0.03	0.18	0.0	1.0
S7BATHH	12969	0.03	0.17	0.0	1.0
S8BATHH	11734	0.03	0.18	0.0	1.0
S9BATHH	10644	0.03	0.17	0.0	1.0
S10BATHH	13433	0.03	0.18	0.0	1.0
S11BATHH	12478	0.03	0.18	0.0	1.0
S12BATHH	11007	0.04	0.19	0.0	1.0
S13BATHH	11770	0.03	0.18	0.0	1.0
S14BATHH	9348	0.03	0.18	0.0	1.0
S15BATHH	8435	0.03	0.17	0.0	1.0
S16BATHH	7823	0.03	0.18	0.0	1.0
R1EAT	12652	1.02	0.20	1.0	7.0
R2EAT	19639	0.02	0.19	0.0	7.0
R3EAT	11610	0.07	0.34	0.0	7.0
R4EAT	10330	0.10	0.42	0.0	7.0
R5EAT	9725	0.10	0.48	0.0	7.0
R6EAT	9572	0.10	0.45	0.0	7.0
R7EAT	10275	0.10	0.46	0.0	7.0
R8EAT	9843	0.10	0.48	0.0	7.0
R9EAT	9228	0.10	0.44	0.0	7.0
R10EAT	11079	0.10	0.44	0.0	7.0
R11EAT	10319	0.11	0.44	0.0	7.0
R12EAT	9700	0.10	0.39	0.0	7.0
R13EAT	10288	0.09	0.39	0.0	7.0
R14EAT	8423	0.09	0.35	0.0	7.0
R15EAT	7911	0.09	0.40	0.0	7.0
R16EAT	7719	0.09	0.37	0.0	7.0
S1EAT	9900	1.01	0.19	1.0	7.0
S2EAT	13087	0.01	0.17	0.0	7.0
S3EAT	7144	0.05	0.30	0.0	7.0
S4EAT	5978	0.07	0.36	0.0	7.0
S5EAT	5603	0.07	0.40	0.0	7.0
S6EAT	5430	0.07	0.36	0.0	7.0
S7EAT	5850	0.06	0.34	0.0	7.0
S8EAT	5523	0.07	0.34	0.0	7.0
S9EAT	5020	0.06	0.37	0.0	7.0
S10EAT	6041	0.07	0.34	0.0	7.0

S11EAT	5532	0.08	0.36	0.0	7.0
S12EAT	4985	0.07	0.31	0.0	7.0
S13EAT	5065	0.07	0.35	0.0	7.0
S14EAT	3972	0.07	0.30	0.0	7.0
S15EAT	3777	0.07	0.35	0.0	7.0
S16EAT	3299	0.07	0.36	0.0	7.0
R2EATH	8217	0.10	0.51	0.0	3.0
R3EATH	17951	0.02	0.15	0.0	1.0
R4EATH	21355	0.02	0.15	0.0	1.0
R5EATH	19553	0.03	0.16	0.0	1.0
R6EATH	18157	0.03	0.16	0.0	1.0
R7EATH	20116	0.02	0.15	0.0	1.0
R8EATH	18457	0.03	0.16	0.0	1.0
R9EATH	17207	0.03	0.16	0.0	1.0
R10EATH	21896	0.02	0.15	0.0	1.0
R11EATH	20533	0.02	0.16	0.0	1.0
R12EATH	18729	0.03	0.16	0.0	1.0
R13EATH	20871	0.02	0.14	0.0	1.0
R14EATH	17114	0.02	0.12	0.0	1.0
R15EATH	15599	0.01	0.12	0.0	1.0
R16EATH	15713	0.02	0.13	0.0	1.0
S2EATH	4345	0.08	0.44	0.0	3.0
S3EATH	11904	0.02	0.12	0.0	1.0
S4EATH	13972	0.02	0.13	0.0	1.0
S5EATH	12725	0.02	0.13	0.0	1.0
S6EATH	11636	0.02	0.13	0.0	1.0
S7EATH	12971	0.01	0.12	0.0	1.0
S8EATH	11733	0.02	0.13	0.0	1.0
S9EATH	10644	0.01	0.12	0.0	1.0
S10EATH	13432	0.01	0.12	0.0	1.0
S11EATH	12478	0.02	0.13	0.0	1.0
S12EATH	11008	0.02	0.13	0.0	1.0
S13EATH	11770	0.01	0.11	0.0	1.0
S14EATH	9346	0.01	0.10	0.0	1.0
S15EATH	8448	0.01	0.10	0.0	1.0
S16EATH	7823	0.01	0.11	0.0	1.0
R1BED	12652	1.12	0.48	1.0	7.0
R2BED	19631	0.07	0.36	0.0	7.0
R3BED	11609	0.13	0.40	0.0	7.0
R4BED	10329	0.17	0.49	0.0	7.0
R5BED	9721	0.17	0.53	0.0	7.0
R6BED	9568	0.16	0.53	0.0	7.0
R7BED	10279	0.15	0.49	0.0	7.0
R8BED	9842	0.16	0.50	0.0	7.0
R9BED	9224	0.16	0.48	0.0	7.0
R10BED	11075	0.17	0.47	0.0	7.0
R11BED	10308	0.18	0.50	0.0	7.0
R12BED	9692	0.17	0.48	0.0	7.0
R13BED	10281	0.18	0.50	0.0	7.0
R14BED	8421	0.18	0.46	0.0	7.0
R15BED	7906	0.16	0.43	0.0	7.0
R16BED	7709	0.18	0.47	0.0	7.0
S1BED	9900	1.10	0.44	1.0	7.0
S2BED	13083	0.06	0.33	0.0	7.0
S3BED	7144	0.10	0.35	0.0	7.0

S4BED	5978	0.14	0.42	0.0	7.0
S5BED	5602	0.13	0.44	0.0	7.0
S6BED	5429	0.12	0.42	0.0	7.0
S7BED	5849	0.12	0.42	0.0	7.0
S8BED	5521	0.14	0.44	0.0	7.0
S9BED	5021	0.12	0.43	0.0	7.0
S10BED	6040	0.14	0.39	0.0	7.0
S11BED	5526	0.15	0.45	0.0	7.0
S12BED	4981	0.14	0.42	0.0	7.0
S13BED	5064	0.15	0.44	0.0	7.0
S14BED	3970	0.15	0.43	0.0	7.0
S15BED	3775	0.13	0.35	0.0	7.0
S16BED	3298	0.15	0.44	0.0	7.0
R2BEDH	8210	0.08	0.47	0.0	3.0
R3BEDH	17952	0.03	0.17	0.0	1.0
R4BEDH	21351	0.03	0.17	0.0	1.0
R5BEDH	19551	0.03	0.17	0.0	1.0
R6BEDH	18156	0.03	0.18	0.0	1.0
R7BEDH	20116	0.03	0.18	0.0	1.0
R8BEDH	18457	0.03	0.18	0.0	1.0
R9BEDH	17206	0.04	0.19	0.0	1.0
R10BEDH	21896	0.04	0.20	0.0	1.0
R11BEDH	20535	0.04	0.20	0.0	1.0
R12BEDH	18720	0.04	0.20	0.0	1.0
R13BEDH	20873	0.04	0.20	0.0	1.0
R14BEDH	17105	0.04	0.20	0.0	1.0
R15BEDH	15535	0.04	0.18	0.0	1.0
R16BEDH	15712	0.04	0.19	0.0	1.0
S2BEDH	4339	0.07	0.42	0.0	3.0
S3BEDH	11905	0.02	0.14	0.0	1.0
S4BEDH	13968	0.02	0.14	0.0	1.0
S5BEDH	12724	0.02	0.14	0.0	1.0
S6BEDH	11635	0.02	0.15	0.0	1.0
S7BEDH	12970	0.02	0.15	0.0	1.0
S8BEDH	11732	0.02	0.15	0.0	1.0
S9BEDH	10644	0.02	0.15	0.0	1.0
S10BEDH	13431	0.03	0.17	0.0	1.0
S11BEDH	12480	0.03	0.17	0.0	1.0
S12BEDH	11003	0.03	0.18	0.0	1.0
S13BEDH	11772	0.03	0.17	0.0	1.0
S14BEDH	9345	0.03	0.18	0.0	1.0
S15BEDH	8409	0.03	0.16	0.0	1.0
S16BEDH	7822	0.03	0.18	0.0	1.0
R2BEDE	8220	0.06	0.32	0.0	7.0
R3BEDE	11611	0.07	0.25	0.0	1.0
R4BEDE	10328	0.09	0.28	0.0	1.0
R5BEDE	9721	0.09	0.29	0.0	1.0
R6BEDE	9566	0.11	0.31	0.0	1.0
R7BEDE	10279	0.10	0.30	0.0	1.0
R8BEDE	9838	0.10	0.31	0.0	1.0
R9BEDE	9225	0.10	0.31	0.0	1.0
R10BEDE	11073	0.11	0.31	0.0	1.0
R11BEDE	10310	0.12	0.33	0.0	1.0
R12BEDE	9684	0.13	0.34	0.0	1.0
R13BEDE	10286	0.13	0.34	0.0	1.0
R14BEDE	7634	0.15	0.36	0.0	1.0

R15BEDE	6591	0.14	0.35	0.0	1.0
R16BEDE	7713	0.14	0.35	0.0	1.0
S2BEDE	4347	0.05	0.35	0.0	7.0
S3BEDE	7144	0.05	0.21	0.0	1.0
S4BEDE	5978	0.06	0.23	0.0	1.0
S5BEDE	5603	0.06	0.24	0.0	1.0
S6BEDE	5429	0.07	0.26	0.0	1.0
S7BEDE	5849	0.06	0.24	0.0	1.0
S8BEDE	5521	0.07	0.25	0.0	1.0
S9BEDE	5021	0.07	0.25	0.0	1.0
S10BEDE	6040	0.08	0.27	0.0	1.0
S11BEDE	5529	0.09	0.28	0.0	1.0
S12BEDE	4983	0.10	0.29	0.0	1.0
S13BEDE	5065	0.10	0.29	0.0	1.0
S14BEDE	3505	0.11	0.32	0.0	1.0
S15BEDE	3100	0.11	0.31	0.0	1.0
S16BEDE	3302	0.11	0.31	0.0	1.0
R2TOILT	8218	0.05	0.28	0.0	2.0
R3TOILT	11609	0.11	0.41	0.0	7.0
R4TOILT	10324	0.15	0.51	0.0	7.0
R5TOILT	9718	0.16	0.53	0.0	7.0
R6TOILT	9566	0.16	0.57	0.0	7.0
R7TOILT	10278	0.15	0.57	0.0	7.0
R8TOILT	9842	0.17	0.58	0.0	7.0
R9TOILT	9224	0.16	0.59	0.0	7.0
R10TOILT	11070	0.16	0.49	0.0	7.0
R11TOILT	10318	0.16	0.50	0.0	7.0
R12TOILT	9696	0.16	0.50	0.0	7.0
R13TOILT	10283	0.15	0.48	0.0	7.0
R14TOILT	8416	0.15	0.45	0.0	7.0
R15TOILT	7905	0.14	0.44	0.0	7.0
R16TOILT	7714	0.14	0.46	0.0	7.0
S2TOILT	4347	0.03	0.23	0.0	2.0
S3TOILT	7143	0.08	0.34	0.0	7.0
S4TOILT	5976	0.12	0.44	0.0	7.0
S5TOILT	5603	0.12	0.45	0.0	7.0
S6TOILT	5427	0.11	0.43	0.0	7.0
S7TOILT	5847	0.11	0.46	0.0	7.0
S8TOILT	5521	0.12	0.48	0.0	7.0
S9TOILT	5021	0.11	0.46	0.0	7.0
S10TOILT	6038	0.11	0.40	0.0	7.0
S11TOILT	5532	0.12	0.47	0.0	7.0
S12TOILT	4987	0.12	0.41	0.0	7.0
S13TOILT	5064	0.12	0.45	0.0	7.0
S14TOILT	3973	0.12	0.41	0.0	7.0
S15TOILT	3775	0.10	0.39	0.0	7.0
S16TOILT	3300	0.12	0.39	0.0	7.0
R2TOILTH	8219	0.06	0.41	0.0	3.0
R3TOILTH	17950	0.02	0.14	0.0	1.0
R4TOILTH	21349	0.02	0.15	0.0	1.0
R5TOILTH	19550	0.02	0.15	0.0	1.0
R6TOILTH	18152	0.03	0.16	0.0	1.0
R7TOILTH	20111	0.02	0.15	0.0	1.0
R8TOILTH	18458	0.02	0.15	0.0	1.0
R9TOILTH	17205	0.03	0.16	0.0	1.0

R10TOILTH	21894	0.02	0.15	0.0	1.0
R11TOILTH	20523	0.03	0.16	0.0	1.0
R12TOILTH	18721	0.03	0.16	0.0	1.0
R13TOILTH	20867	0.02	0.15	0.0	1.0
R14TOILTH	17096	0.02	0.15	0.0	1.0
R15TOILTH	15567	0.02	0.14	0.0	1.0
R16TOILTH	15707	0.02	0.14	0.0	1.0
S2TOILTH	4347	0.05	0.37	0.0	3.0
S3TOILTH	11904	0.01	0.12	0.0	1.0
S4TOILTH	13968	0.01	0.12	0.0	1.0
S5TOILTH	12725	0.01	0.11	0.0	1.0
S6TOILTH	11633	0.02	0.12	0.0	1.0
S7TOILTH	12965	0.01	0.12	0.0	1.0
S8TOILTH	11732	0.01	0.12	0.0	1.0
S9TOILTH	10644	0.01	0.12	0.0	1.0
S10TOILTH	13431	0.01	0.12	0.0	1.0
S11TOILTH	12475	0.02	0.12	0.0	1.0
S12TOILTH	11008	0.02	0.13	0.0	1.0
S13TOILTH	11767	0.02	0.12	0.0	1.0
S14TOILTH	9342	0.01	0.12	0.0	1.0
S15TOILTH	8433	0.01	0.12	0.0	1.0
S16TOILTH	7822	0.01	0.12	0.0	1.0
REWALKRH	12563	0.51	0.76	0.0	7.0
REDRESSH	12618	0.58	0.62	0.0	7.0
REBATHH	12560	0.61	0.56	0.0	7.0
REEATH	12546	0.41	0.68	0.0	7.0
REBEDH	12534	0.52	0.67	0.0	7.0
RETOILTH	12514	0.55	0.87	0.0	7.0

Categorical Variable Codes

R1WALKR: R Diff-Walk across room

Value	w1
1.Not at all diff	12102
2.A little diff	295
3.Somewhat diff	152
4.Very diff/can't do	87
7.Don't do	16

R2WALKR: R Diff-Walk across room

Value	w2
.D=DK	354
.M=Oth missing	1
.R=RF	1
0.No	17954
1.Yes,a little	727
2.Yes,a lot	579
3.Yes,DK/NA how much	4
4.Yes,RF how much	1
7.Don't do	21

RwWALKR: R Diff-Walk across room

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	2	1	5	3	1	2	1	4
.J=Web interview, missing								
.M=Oth missing	36	28	23	7	10	7	9	132
.R=RF	3		3		1	2	1	1
.S=Skip	6341	11023	9829	8582	9835	8613	7978	10815
0.No	10266	8766	8192	8048	8727	8309	7741	9297
1.Yes	1159	1338	1317	1336	1361	1327	1310	1667
2.Can't do	165	199	165	156	164	183	142	98
7.Don't do	19	29	44	33	30	26	35	20

Value	w11	w12	w13	w14	w15	w16
.D=DK	15	15	11	4	9	10
.J=Web interview, missing					5	11
.M=Oth missing	18	17	36	26	75	60
.R=RF	2	1	1			
.S=Skip	10212	9021	10582	8694	8263	7989
0.No	8633	8071	8592	6987	6227	6416
1.Yes	1564	1552	1588	1370	1099	1241
2.Can't do	99	55	83	58	36	52
7.Don't do	11	15	19	7	9	8

S1WALKR: S Diff-Walk across room

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
1.Not at all diff	9533
2.A little diff	202
3.Somewhat diff	96
4.Very diff/can't do	55
7.Don't do	14

S2WALKR: S Diff-Walk across room

Value	w2
.D=DK	268
.M=Oth missing	1
.R=RF	1
.U=Unmarried	5968
.V=Sp NR	584
0.No	12216
1.Yes,a little	336
2.Yes,a lot	253
3.Yes,DK/NA how much	2
4.Yes,RF how much	1
7.Don't do	12

SwWALKR: S Diff-Walk across room

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		1	2	1	1			2
.J=Web interview, missing								
.M=Oth missing	11	7	5	3	1	1	2	80
.R=RF	1		2		1			
.S=Skip	4761	7993	7122	6204	7121	6210	5623	7389
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	6550	5336	4948	4796	5205	4890	4467	5326
1.Yes	505	552	579	571	574	563	500	679
2.Can't do	78	79	61	52	57	65	42	27
7.Don't do	11	12	11	12	12	6	12	10

Value	w11	w12	w13	w14	w15	w16
.D=DK	9	5	5		3	1
.J=Web interview, missing					5	
.M=Oth missing	4	4	7	6	10	16
.R=RF						
.S=Skip	6947	6019	6705	5380	5013	4522
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	4837	4361	4426	3429	3022	2874
1.Yes	642	605	603	515	414	406
2.Can't do	40	17	28	26	9	20
7.Don't do	5	1	5	2	1	1

R2WALKRH: R Gets Help-Walk across room

Value	w2
.M=Oth missing	1
.Q=Not asked this wave	11420
.X=Don't do	21
0.No	7711
1.Yes,occasionally	194
2.Yes,some of the time	112
3.Yes,most of the time	183

RwWALKRH: R Gets Help-Walk across room

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	1		1	1	3	3	1	1
.J=Web interview, missing								
.M=Oth missing	40	28	23	7	10	7	9	132
.R=RF	1		3		1	2		1
.X=Don't do					5			
0.No	17377	20727	18928	17500	19438	17814	16560	20993
1.Yes	572	629	623	657	669	643	647	907
2.Can't do					3			

Value	w11	w12	w13	w14	w15	w16
.D=DK	8	5	4	2	5	3
.J=Web interview, missing					5	10
.M=Oth missing	18	17	36	33	75	60
.R=RF	1	1	2			
.X=Don't do						
0.No	19664	17877	20013	16443	15091	15084
1.Yes	863	847	857	668	547	630
2.Can't do						

S2WALKRH: S Gets Help-Walk across room

Value	w2
.M=Oth missing	1
.Q=Not asked this wave	9125
.U=Unmarried	5968
.V=Sp NR	200
.X=Don't do	12
0.No	4121
1.Yes,occasionally	84
2.Yes,some of the time	51
3.Yes,most of the time	80

SwWALKRH: S Gets Help-Walk across room

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK						1		1
.M=Oth missing	14	7	5	3	1	1	2	80
.R=RF	1		2		1			
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
.X=Don't do					2			
0.No	11661	13703	12450	11371	12688	11462	10405	13060
1.Yes	241	270	273	265	278	271	239	372
2.Can't do					2			

Value	w11	w12	w13	w14	w15	w16
.D=DK	2	2	2	1	2	2
.M=Oth missing	4	4	7	10	14	16
.R=RF						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do						
0.No	12133	10680	11437	9088	8241	7608
1.Yes	345	326	333	259	220	214
2.Can't do						

RwWALKRE: R Eqp-Walk across room

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			1	3	2	2		1	1	3
.J=Web interview, missing										
.M=Oth missing		1								
.Q=Not asked this wave		11420								
.R=RF			1		3		1	2		1
.S=Skip			6377	11051	9852	8589	9845	8620	7987	10947
0.No		6733	9614	8007	7379	7107	7693	7276	6716	8038
1.Yes		1467	1998	2323	2342	2467	2590	2570	2513	3045
7.Don't do		21								

Value	w11	w12	w13	w14	w15	w16
.D=DK	7	5	4	3	10	4
.J=Web interview, missing				2	3	
.M=Oth missing						
.Q=Not asked this wave						
.R=RF	1	2	1			
.S=Skip	10230	9038	10618	9497	8338	8058
0.No	7212	6627	7085	5027	5030	5160
1.Yes	3104	3075	3204	2617	2342	2565
7.Don't do						

SwWALKRE: S Eqp-Walk across room

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK				2		1		1		1
.J=Web interview, missing										
.M=Oth missing		1								
.Q=Not asked this wave		9125								
.R=RF			1		2		1			
.S=Skip			4772	8000	7127	6207	7122	6211	5625	7469
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR		200	417	536	311	220	380	317	365	724
0.No		3778	6307	5016	4655	4423	4772	4513	4066	4799
1.Yes		558	837	962	946	1008	1077	1010	955	1244
7.Don't do		12								

Value	w11	w12	w13	w14	w15	w16
.D=DK	2		2	1	3	1
.J=Web interview, missing					1	
.M=Oth missing						
.Q=Not asked this wave						
.R=RF						
.S=Skip	6951	6023	6712	5848	5023	4538
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	4270	3751	3846	2502	2563	2406
1.Yes	1261	1238	1219	1007	887	895
7.Don't do						

R1DRESS: R Diff-Dressing

Value	w1
1.Not at all diff	12278
2.A little diff	238
3.Somewhat diff	85
4.Very diff/can't do	44
7.Don't do	7

R2DRESS: R Diff-Dressing

Value	w2
.D=DK	3
.M=Oth missing	1
0.No	18574
1.Yes,a little	690
2.Yes,a lot	363
7.Don't do	11

RwDRESS: R Diff-Dressing

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	3	3	6	5	3	7	1	2
.J=Web interview, missing								
.M=Oth missing	37	28	23	7	10	7	9	132
.R=RF	1		1		1	2		2
.S=Skip	6341	7629	6715	5699	6723	5785	5317	7614
0.No	9727	11531	10743	10517	11381	10613	9952	11713
1.Yes	1719	1981	1917	1790	1850	1889	1798	2495
2.Can't do	148	185	129	118	131	140	110	60
7.Don't do	15	27	44	29	30	26	30	16

Value	w11	w12	w13	w14	w15	w16
.D=DK	10	8	10	4	8	15
.J=Web interview, missing				3	3	11
.M=Oth missing	18	17	36	26	75	60
.R=RF	3	2	2		1	3
.S=Skip	7242	6345	7573	6119	5947	5771
0.No	10970	10065	10875	9109	7982	8131
1.Yes	2237	2248	2352	1846	1677	1753
2.Can't do	60	51	52	35	22	34
7.Don't do	14	11	12	4	8	9

S1DRESS: S Diff-Dressing

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
1.Not at all diff	9655
2.A little diff	152
3.Somewhat diff	55
4.Very diff/can't do	33
7.Don't do	5

S2DRESS: S Diff-Dressing

Value	w2
.M=Oth missing	1
.U=Unmarried	5968
.V=Sp NR	584
0.No	12604
1.Yes,a little	322
2.Yes,a lot	155
7.Don't do	8

SwDRESS: S Diff-Dressing

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		1	1	1		1		
.J=Web interview, missing								
.M=Oth missing	11	7	5	3	1	1	2	80
.R=RF	1		1		1			
.S=Skip	4761	5632	4952	4179	4932	4254	3799	5287
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	6189	7224	6710	6526	7059	6465	5963	6921
1.Yes	884	1026	997	880	919	949	834	1202
2.Can't do	63	77	52	42	51	58	34	19
7.Don't do	8	13	12	8	9	7	14	4

Value	w11	w12	w13	w14	w15	w16
.D=DK	4	4	3	3	3	4
.J=Web interview, missing					2	
.M=Oth missing	4	4	7	7	10	16
.R=RF						
.S=Skip	5009	4322	4838	3815	3667	3330
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	6407	5632	5880	4730	4068	3806
1.Yes	1027	1027	1030	786	715	675
2.Can't do	27	19	18	15	10	9
7.Don't do	6	4	3	2	2	

R2DRESSH: R Gets Help-Dressing

Value	w2
.M=Oth missing	1
.Q=Not asked this wave	11420
.X=Don't do	11
0.No	7560
1.Yes,occasionally	157
2.Yes,some of the time	150
3.Yes,most of the time	343

RwDRESSH: R Gets Help-Dressing

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	3		1	3	4	2	1	1
.J=Web interview, missing								
.M=Oth missing	36	28	23	7	10	7	9	132
.R=RF	1		2		2	2		1
0.No	16965	20199	18451	17066	18970	17315	16142	20441
1.Yes	986	1157	1101	1089	1143	1143	1065	1459

Value	w11	w12	w13	w14	w15	w16
.D=DK	4	2	4	1	3	3
.J=Web interview, missing				2	1	10
.M=Oth missing	18	17	36	32	75	60
.R=RF	2	1	1		1	1
0.No	19171	17390	19502	16092	14744	14745
1.Yes	1359	1337	1369	1019	899	968

S2DRESSH: S Gets Help-Dressing

Value	w2
.M=Oth missing	1
.Q=Not asked this wave	9125
.U=Unmarried	5968
.V=Sp NR	200
.X=Don't do	8
0.No	4036
1.Yes,occasionally	79
2.Yes,some of the time	64
3.Yes,most of the time	161

SwDRESSH: S Gets Help-Dressing

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	1			1	1		1	
.J=Web interview, missing								
.M=Oth missing	11	7	5	3	1	1	2	80
.R=RF	1		2		2			
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	11383	13376	12176	11108	12400	11159	10164	12711
1.Yes	521	597	547	527	568	575	479	722

Value	w11	w12	w13	w14	w15	w16
.D=DK	2			1	2	1
.J=Web interview, missing				1	1	
.M=Oth missing	4	4	7	8	10	17
.R=RF						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	11857	10384	11164	8889	8062	7415
1.Yes	621	624	608	459	402	407

R1BATH: R Diff-Bathing or showerng

Value	w1
1.Not at all diff	12081
2.A little diff	268
3.Somewhat diff	172
4.Very diff/can't do	118
7.Don't do	13

R2BATH: R Diff-Bathing or showerng

Value	w2
.D=DK	7
.M=Oth missing	1
0.No	18642
1.Yes,a little	519
2.Yes,a lot	464
4.Yes,RF how much	1
7.Don't do	8

RwBATH: R Diff-Bathing or showerng

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	3	6	5	4	5	5	1	5
.J=Web interview, missing								
.M=Oth missing	37	28	23	7	10	7	9	132
.R=RF	1				2	2		1
.S=Skip	6341	11023	9829	8582	9835	8613	7978	10815
0.No	10221	8572	8106	8026	8679	8316	7733	9212
1.Yes	1232	1551	1463	1397	1455	1379	1367	1791
2.Can't do	135	178	115	117	113	123	107	67
7.Don't do	21	26	37	32	30	24	22	11

Value	w11	w12	w13	w14	w15	w16
.D=DK	9	10	6	4	8	17
.J=Web interview, missing						11
.M=Oth missing	18	17	36	26	75	61
.R=RF	2	1	1	2		2
.S=Skip	10212	9021	10582	8696	7729	7990
0.No	8524	7976	8552	7041	6706	6469
1.Yes	1723	1663	1690	1344	1178	1214
2.Can't do	55	46	39	25	16	17
7.Don't do	11	13	6	8	11	6

S1BATH: S Diff-Bathing or showerng

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
1.Not at all diff	9555
2.A little diff	166
3.Somewhat diff	101
4.Very diff/can't do	70
7.Don't do	8

S2BATH: S Diff-Bathing or showerng

Value	w2
.D=DK	3
.M=Oth missing	1
.U=Unmarried	5968
.V=Sp NR	584
0.No	12652
1.Yes,a little	238
2.Yes,a lot	193
7.Don't do	3

SwBATH: S Diff-Bathing or showerng

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		2	1	1		2		2
.M=Oth missing	11	7	5	3	1	1	2	80
.R=RF	1				2			
.S=Skip	4761	7993	7122	6204	7121	6210	5623	7389
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	6576	5251	4965	4844	5231	4931	4484	5326
1.Yes	510	647	585	542	576	544	499	692
2.Can't do	52	72	44	37	31	44	30	20
7.Don't do	6	8	8	8	10	3	8	4

Value	w11	w12	w13	w14	w15	w16
.D=DK	2	4	2	2		4
.M=Oth missing	4	4	7	6	10	16
.R=RF	1					
.S=Skip	6947	6019	6705	5380	4685	4521
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	4852	4353	4453	3486	3356	2905
1.Yes	653	615	597	472	420	389
2.Can't do	21	16	14	10	6	5
7.Don't do	4	1	1	2		

R2BATHH: R Gets Help-Bathing, showerng

Value	w2
.D=DK	2
.M=Oth missing	1
.Q=Not asked this wave	11420
.X=Don't do	8
0.No	7511
1.Yes,occasionally	96
2.Yes,some of the time	91
3.Yes,most of the time	513

RwBATHH: R Gets Help-Bathing, showerng

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	2	3	3	1	4	1		1
.J=Web interview, missing								
.M=Oth missing	36	28	23	7	10	7	9	132
.R=RF	1				1	2		1
.X=Don't do					1			
0.No	17045	20290	18511	17082	19053	17458	16218	20698
1.Yes	907	1063	1041	1075	1060	1001	990	1202

Value	w11	w12	w13	w14	w15	w16
.D=DK	4	1	2	1	3	2
.J=Web interview, missing				2	23	10
.M=Oth missing	18	17	36	34	131	61
.R=RF	2			1		1
.X=Don't do						
0.No	19368	17619	19756	16280	14886	14992
1.Yes	1162	1110	1118	828	680	721

S2BATHH: S Gets Help-Bathing, showerng

Value	w2
.D=DK	1
.M=Oth missing	1
.Q=Not asked this wave	9125
.U=Unmarried	5968
.V=Sp NR	200
.X=Don't do	3
0.No	4076
1.Yes,occasionally	33
2.Yes,some of the time	34
3.Yes,most of the time	201

SwBATHH: S Gets Help-Bathing, showerng

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		1	1					
.M=Oth missing	11	7	5	3	1	1	2	80
.R=RF	1				1			
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
.X=Don't do					1			
0.No	11547	13546	12329	11239	12576	11349	10317	12963
1.Yes	358	426	395	397	393	385	327	470

Value	w11	w12	w13	w14	w15	w16
.D=DK	1	1	2			1
.M=Oth missing	4	4	7	10	42	16
.R=RF	1					
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do						
0.No	12061	10603	11375	9038	8183	7573
1.Yes	417	404	395	310	252	250

R1EAT: R Diff-Eating

Value	w1
1.Not at all diff	12529
2.A little diff	78
3.Somewhat diff	21
4.Very diff/can't do	19
7.Don't do	5

R2EAT: R Diff-Eating

Value	w2
.D=DK	1
.M=Oth missing	1
.R=RF	1
0.No	19410
1.Yes,a little	130
2.Yes,a lot	94
4.Yes,RF how much	1
7.Don't do	4

RwEAT: R Diff-Eating

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	3	3	1	4	9	3	2	7
.J=Web interview, missing								
.M=Oth missing	36	28	23	7	10	7	9	132
.R=RF	1					3		1
.S=Skip	6341	11023	9829	8582	9835	8613	7978	10815
0.No	10919	9506	8975	8823	9505	9049	8505	10125
1.Yes	607	717	657	663	672	697	651	888
2.Can't do	74	89	63	64	71	69	51	41
7.Don't do	10	18	30	22	27	28	21	25

Value	w11	w12	w13	w14	w15	w16
.D=DK	4	7	4		4	5
.J=Web interview, missing					4	10
.M=Oth missing	18	17	36	26	75	61
.R=RF	1	2	2	1		1
.S=Skip	10212	9021	10582	8696	7729	7991
0.No	9405	8820	9439	7738	7311	7105
1.Yes	852	845	806	661	578	594
2.Can't do	39	22	28	16	8	10
7.Don't do	23	13	15	8	14	10

S1EAT: S Diff-Eating

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
1.Not at all diff	9819
2.A little diff	50
3.Somewhat diff	13
4.Very diff/can't do	14
7.Don't do	4

S2EAT: S Diff-Eating

Value	w2
.D=DK	1
.M=Oth missing	1
.R=RF	1
.U=Unmarried	5968
.V=Sp NR	584
0.No	12991
1.Yes,a little	52
2.Yes,a lot	40
4.Yes,RF how much	1
7.Don't do	3

SwEAT: S Diff-Eating

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		2		2			1	3
.J=Web interview, missing								
.M=Oth missing	11	7	5	3	1	1	2	80
.R=RF	1					1		
.S=Skip	4761	7993	7122	6204	7121	6210	5623	7389
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	6837	5617	5291	5142	5549	5204	4765	5667
1.Yes	269	315	274	258	271	290	233	351
2.Can't do	33	39	27	22	23	23	13	17
7.Don't do	5	7	11	8	7	6	9	6

Value	w11	w12	w13	w14	w15	w16
.D=DK	1	3	2		2	1
.J=Web interview, missing					3	
.M=Oth missing	4	4	7	6	10	16
.R=RF		1				
.S=Skip	6947	6019	6705	5380	4685	4524
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	5153	4647	4745	3706	3560	3094
1.Yes	354	326	300	258	207	197
2.Can't do	18	9	14	6	5	3
7.Don't do	7	3	6	2	5	5

R2EATH: R Gets Help-Eating

Value	w2
.M=Oth missing	1
.Q=Not asked this wave	11420
.X=Don't do	4
0.No	7858
1.Yes,occasionally	94
2.Yes,some of the time	58
3.Yes,most of the time	207

RwEATH: R Gets Help-Eating

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	2	1	2	1	3	2	1	5
.J=Web interview, missing								
.M=Oth missing	37	28	23	7	10	7	9	132
.R=RF	1					3		1
0.No	17537	20863	19047	17681	19629	17946	16755	21400
1.Yes	414	492	506	476	487	511	452	496

Value	w11	w12	w13	w14	w15	w16
.D=DK	2		3	3	1	3
.J=Web interview, missing					13	10
.M=Oth missing	18	17	36	29	110	61
.R=RF	1	1	2			
0.No	20026	18250	20473	16846	15370	15425
1.Yes	507	479	398	268	229	288

S2EATH: S Gets Help-Eating

Value	w2
.M=Oth missing	1
.Q=Not asked this wave	9125
.U=Unmarried	5968
.V=Sp NR	200
.X=Don't do	3
0.No	4195
1.Yes,occasionally	43
2.Yes,some of the time	28
3.Yes,most of the time	79

SwEATH: S Gets Help-Eating

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		1						1
.M=Oth missing	12	7	5	3	1	1	2	80
.R=RF	1					1		
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	11723	13740	12516	11448	12781	11529	10491	13239
1.Yes	181	232	209	188	190	204	153	193

Value	w11	w12	w13	w14	w15	w16
.D=DK	2		2	3		1
.M=Oth missing	4	4	7	9	29	16
.R=RF						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	12273	10828	11626	9242	8366	7723
1.Yes	205	180	144	104	82	100

R1BED: R Diff-Get in/out of bed

Value	w1
1.Not at all diff	11672
2.A little diff	575
3.Somewhat diff	277
4.Very diff/can't do	118
7.Don't do	10

R2BED: R Diff-Get in/out of bed

Value	w2
.D=DK	8
.M=Oth missing	1
.R=RF	2
0.No	18622
1.Yes,a little	650
2.Yes,a lot	344
3.Yes,DK/NA how much	1
4.Yes,RF how much	3
7.Don't do	11

RwBED: R Diff-Get in/out of bed

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	4	4	5	8	5	4	6	11
.J=Web interview, missing								
.M=Oth missing	36	28	23	7	10	7	9	132
.R=RF	1					3		1
.S=Skip	6341	11023	9829	8582	9835	8613	7978	10815
0.No	10258	8760	8321	8258	8938	8467	7971	9333
1.Yes	1250	1436	1283	1185	1222	1248	1148	1670
2.Can't do	92	115	90	97	97	106	87	55
7.Don't do	9	18	27	28	22	21	18	17

Value	w11	w12	w13	w14	w15	w16
.D=DK	14	16	11	5	11	17
.J=Web interview, missing					2	10
.M=Oth missing	18	17	36	26	75	61
.R=RF	2	1	2	1		1
.S=Skip	10212	9021	10582	8693	7729	7989
0.No	8659	8147	8589	7019	6680	6391
1.Yes	1584	1505	1635	1373	1204	1290
2.Can't do	41	21	34	16	13	16
7.Don't do	24	19	23	13	9	12

S1BED: S Diff-Get in/out of bed

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
1.Not at all diff	9235
2.A little diff	403
3.Somewhat diff	179
4.Very diff/can't do	76
7.Don't do	7

S2BED: S Diff-Get in/out of bed

Value	w2
.D=DK	4
.M=Oth missing	1
.R=RF	2
.U=Unmarried	5968
.V=Sp NR	584
0.No	12559
1.Yes,a little	347
2.Yes,a lot	164
3.Yes,DK/NA how much	1
4.Yes,RF how much	3
7.Don't do	9

SwBED: S Diff-Get in/out of bed

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		2	1	3	1	2		4
.M=Oth missing	11	7	5	3	1	1	2	80
.R=RF	1					1		
.S=Skip	4761	7993	7122	6204	7121	6210	5623	7389
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	6499	5229	4935	4849	5245	4862	4499	5251
1.Yes	603	697	626	542	562	616	492	767
2.Can't do	38	46	32	30	33	34	21	18
7.Don't do	4	6	9	8	9	9	9	4

Value	w11	w12	w13	w14	w15	w16
.D=DK	6	8	3	3	7	4
.M=Oth missing	4	4	7	6	10	16
.R=RF	1					
.S=Skip	6947	6019	6705	5379	4685	4522
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	4777	4316	4383	3392	3302	2831
1.Yes	720	652	662	566	468	458
2.Can't do	20	7	11	7	4	4
7.Don't do	9	6	8	5	1	5

R2BEDH: R Gets Help-Get in/out of bed

Value	w2
.D=DK	1
.M=Oth missing	1
.Q=Not asked this wave	11420
.X=Don't do	10
0.No	7917
1.Yes,occasionally	70
2.Yes,some of the time	48
3.Yes,most of the time	175

RwBEDH: R Gets Help-Get in/out of bed

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	2	5	4	2	2	2	2	5
.J=Web interview, missing								
.M=Oth missing	36	28	23	7	10	7	9	132
.R=RF	1					3		1
.X=Don't do					1			
0.No	17411	20734	18953	17533	19471	17821	16588	21026
1.Yes	541	617	598	623	645	636	618	870

Value	w11	w12	w13	w14	w15	w16
.D=DK	9	1		2	3	
.J=Web interview, missing			4	23	10	
.M=Oth missing	18	17	36	37	163	61
.R=RF	1	1	2		1	
.X=Don't do						
0.No	19656	17911	19984	16410	14989	15091
1.Yes	879	809	889	695	546	621

S2BEDH: S Gets Help-Get in/out of bed

Value	w2
.D=DK	1
.M=Oth missing	1
.Q=Not asked this wave	9125
.U=Unmarried	5968
.V=Sp NR	200
.X=Don't do	8
0.No	4210
1.Yes,occasionally	35
2.Yes,some of the time	18
3.Yes,most of the time	76

SwBEDH: S Gets Help-Get in/out of bed

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		5	1	1		1		2
.J=Web interview, missing								
.M=Oth missing	11	7	5	3	1	1	2	80
.R=RF	1					1		
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
.X=Don't do					1			
0.No	11652	13683	12454	11361	12672	11444	10414	13027
1.Yes	253	285	270	274	298	288	230	404

Value	w11	w12	w13	w14	w15	w16
.D=DK		5			1	2
.J=Web interview, missing				1	1	
.M=Oth missing	4	4	7	12	66	16
.R=RF						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do						
0.No	12092	10650	11406	9035	8186	7560
1.Yes	388	353	366	310	223	262

RwBEDE: R Use Eqp-Get in/out of bed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		1	1	4	4	10	5	7	5	12
.J=Web interview, missing										
.M=Oth missing		1	1							
.Q=Not asked this wave		11420								
.R=RF			1	1	1			4		2
.S=Skip			6377	11051	9852	8589	9845	8620	7987	10947
0.No		7813	10818	9446	8808	8554	9281	8816	8258	9864
1.Yes		397	793	882	913	1012	998	1022	967	1209
7.Don't do		10								

Value	w11	w12	w13	w14	w15	w16
.D=DK	12	23	7	9	18	15
.J=Web interview, missing				4	1	
.M=Oth missing						
.Q=Not asked this wave						
.R=RF	2	2	1	1	1	2
.S=Skip	10230	9038	10618	9498	9112	8057
0.No	9071	8422	8942	6494	5661	6612
1.Yes	1239	1262	1344	1140	930	1101
7.Don't do						

SwBEDE: S Use Eqp-Get in/out of bed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		1		1		3	1	2		3
.J=Web interview, missing										
.M=Oth missing		1								
.Q=Not asked this wave		9125								
.R=RF			1	1				1		1
.S=Skip			4772	8000	7127	6207	7122	6211	5625	7469
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR		200	417	536	311	220	380	317	365	724
0.No		4191	6817	5634	5258	5045	5490	5143	4686	5575
1.Yes		148	327	344	345	384	359	378	335	465
7.Don't do		8								

Value	w11	w12	w13	w14	w15	w16
.D=DK	3	6	2	2	3	2
.J=Web interview, missing				2	1	
.M=Oth missing						
.Q=Not asked this wave						
.R=RF	1			1		
.S=Skip	6951	6023	6712	5848	5373	4536
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	5056	4506	4580	3109	2772	2940
1.Yes	473	477	485	396	328	362
7.Don't do						

R2TOILT: R Diff-Using the toilet

Value	w2
.D=DK	2
.M=Oth missing	1
.Q=Not asked this wave	11420
.R=RF	1
0.No	7925
1.Yes,a little	161
2.Yes,a lot	132

RwTOILT: R Diff-Using the toilet

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	4	8	8	9	5	3	6	15
.J=Web interview, missing								
.M=Oth missing	36	28	23	7	10	7	9	132
.R=RF	1	1		1	1	4		2
.S=Skip	6341	11023	9829	8582	9835	8613	7978	10815
0.No	10545	8992	8471	8380	9055	8502	8027	9535
1.Yes	954	1203	1134	1063	1103	1213	1091	1462
2.Can't do	95	103	83	84	77	86	63	47
7.Don't do	15	26	30	39	43	41	43	26

Value	w11	w12	w13	w14	w15	w16
.D=DK	4	12	10	8	14	12
.J=Web interview, missing						10
.M=Oth missing	18	17	36	28	75	61
.R=RF	2	1	1	1		1
.S=Skip	10212	9021	10582	8693	7729	7989
0.No	8858	8302	8892	7289	6917	6702
1.Yes	1398	1345	1336	1097	963	986
2.Can't do	35	23	32	15	11	11
7.Don't do	27	26	23	15	14	15

S2TOILT: S Diff-Using the toilet

Value	w2
.D=DK	1
.M=Oth missing	1
.Q=Not asked this wave	9125
.U=Unmarried	5968
.V=Sp NR	200
0.No	4243
1.Yes,a little	57
2.Yes,a lot	47

SwTOILT: S Diff-Using the toilet

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	1	3		4	2	1		5
.M=Oth missing	11	7	5	3	1	1	2	80
.R=RF	1	1		1	1	2		1
.S=Skip	4761	7993	7122	6204	7121	6210	5623	7389
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	6683	5367	5032	4946	5341	4957	4551	5427
1.Yes	408	554	530	444	471	525	439	587
2.Can't do	46	44	30	26	20	24	19	16
7.Don't do	6	11	11	11	15	15	12	8

Value	w11	w12	w13	w14	w15	w16
.D=DK	1	2	3		7	3
.M=Oth missing	4	4	7	6	10	16
.R=RF						
.S=Skip	6947	6019	6705	5379	4685	4521
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	4943	4435	4531	3546	3418	2946
1.Yes	560	536	513	415	346	346
2.Can't do	15	9	9	6	6	4
7.Don't do	14	7	11	6	5	4

R2TOILTH: R Gets Help-Using the toilet

Value	w2
.D=DK	1
.M=Oth missing	1
.Q=Not asked this wave	11420
.R=RF	1
0.No	8009
1.Yes,occasionally	35
2.Yes,some of the time	43
3.Yes,most of the time	132

RwTOILTH: R Gets Help-Using the toilet

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	3	6	4	6	3		3	6
.J=Web interview, missing								
.M=Oth missing	36	28	23	7	10	7	9	132
.R=RF	2	1	1		1	4		2
.X=Don't do					4			
0.No	17565	20889	19113	17685	19662	18012	16767	21380
1.Yes	385	460	437	467	449	446	438	514

Value	w11	w12	w13	w14	w15	w16
.D=DK	11	8	8	2	1	8
.J=Web interview, missing				2	14	10
.M=Oth missing	18	17	36	44	140	61
.R=RF	2	1	1	2	1	1
.X=Don't do						
0.No	19978	18217	20364	16724	15252	15375
1.Yes	545	504	503	372	315	332

S2TOILTH: S Gets Help-Using the toilet

Value	w2
.D=DK	1
.M=Oth missing	1
.Q=Not asked this wave	9125
.U=Unmarried	5968
.V=Sp NR	200
0.No	4255
1.Yes,occasionally	15
2.Yes,some of the time	21
3.Yes,most of the time	56

SwTOILTH: S Gets Help-Using the toilet

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	1	4		3	2			2
.M=Oth missing	11	7	5	3	1	1	2	80
.R=RF	1	1			1	2		
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
.X=Don't do					3			
0.No	11741	13769	12556	11454	12788	11561	10499	13239
1.Yes	163	199	169	179	177	171	145	192

Value	w11	w12	w13	w14	w15	w16
.D=DK	5		5	1		2
.M=Oth missing	4	4	7	15	44	16
.R=RF						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do						
0.No	12277	10822	11586	9211	8317	7711
1.Yes	198	186	181	131	116	111

REWALKRH: EXIT R got help-Walk across room

Value	
.D=DK	96
.M=Oth missing	90
.Q=Not asked this wv	175
.R=RF	6
.S=Skip	4782
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	6874
1.Yes	5349
2.Couldn't do	256
7.Didn't do	84

REDRESSH: EXIT R got help-Dressing

Value	
.D=DK	113
.M=Oth missing	20
.Q=Not asked this wv	175
.R=RF	4
.S=Skip	4782
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	5598
1.Yes	6909
2.Couldn't do	72
7.Didn't do	39

REBATHH: EXIT R got help-Bathing, showering

Value	
.D=DK	100
.M=Oth missing	90
.Q=Not asked this wv	175
.R=RF	5
.S=Skip	4782
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	5095
1.Yes	7388
2.Couldn't do	58
7.Didn't do	19

REEATH: EXIT R got help-Eating

Value	
.D=DK	112
.M=Oth missing	90
.Q=Not asked this wv	175
.R=RF	7
.S=Skip	4782
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	7834
1.Yes	4563
2.Couldn't do	89
7.Didn't do	60

REBEDH: EXIT R got help-Get in/out bed

Value	
.D=DK	125
.M=Oth missing	89
.Q=Not asked this wv	175
.R=RF	7
.S=Skip	4782
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	6428
1.Yes	5976
2.Couldn't do	74
7.Didn't do	56

RETOILTH: EXIT R got help-Using the toilet

Value	
.D=DK	144
.M=Oth missing	89
.Q=Not asked this wv	175
.R=RF	8
.S=Skip	4782
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	6586
1.Yes	5680
2.Couldn't do	102
7.Didn't do	146

How Constructed

Core Interview Variables

These variables recode the raw variables for difficulty with activities of daily living (ADLs) as they appear in the HRS data except for missing values and accounting for skip patterns. The ADLs include walking across a room (RwWALKR), dressing (RwDRESS), bathing (RwBATH), eating (RwEAT), getting in and out of bed (RwBED), and using the toilet (RwTOILT). In the following, references to Rw[adl] apply to all these variables. Also described here are variables coding whether the Respondent gets

help with ADLs (Rw[adl]H, e.g., RwDRESSH) or uses equipment to walk across a room or get in and out of bed (RwWALKRE and RwBEDE).

Note that questions about using the toilet are not asked in Waves 1 and 2H. Thus there is no R1TOILT variable and for HRS Respondents in Wave 2, R2TOILT is set to .Q (question not asked). Questions about receiving help or using equipment are not asked in these waves for any of the ADLs. So in Wave 1, the variables R1[adl]H, R1WALKRE, or R1BEDE are not present, and for HRS Respondents in Wave 2H, the R2[adl]H, R2WALKRE, and R2BEDE variables are set to .Q.

The recodes vary across waves because the question and responses can vary across waves. In Wave 1, the HRS imputations are left in place. In all other waves "don't know" is recoded to special missing code .D and "refused" is recoded to .R. In Wave 1, difficulty with an ADL is rated on a 4-point scale from "no difficulty" to "very difficult/can't do." These are assigned without change. A "don't do" answer is recoded to "7."

In Wave 2, the question asks if the Respondent has any difficulty with an ADL and if so, asks follow-up questions about the degree of difficulty. In Wave 2H, the raw variable codes both questions as one categorical variable. In Wave 2A the answer to the first question and a categorical variable for the follow-up are given. In either case, a "no" answer to the first question about any difficulty is recoded to "0," and the categorical levels of difficulty are recoded appropriately to "a little" and "a lot," or "don't know/refused how much." A "don't do" response is coded as "7."

From Wave 3 forward, the answers are simply "yes" for difficulty and "no" if not, which are coded "1" and "0," respectively. A "can't do" response is recoded to "2" and a "don't do" response is recoded to "7."

In some waves, questions about activities are skipped based on answers to previous questions. In Waves 1 and 2H, if a Respondent said no difficulty jogging a mile, walking several blocks, or walking one block, the question about walking across a room is skipped. In these cases, RwWALKR is set to "0" for "no difficulty."

From Wave 3 forward, ADL questions are skipped if no difficulty was reported with any of the tasks asked about earlier. In these cases, Rw[adl] is set to .S for "skip." From Wave 4 forward, if difficulty with only one prior task and no difficulty with dressing was reported, the questions about the rest of the ADLs are skipped. In these cases, the rest of the Rw[adl] variables are also set to .S for "skip."

In Wave 2A and from Wave 3 forward, there are questions about getting help with all ADLs and about use of equipment for walking across a room and getting in and out of bed. The help variables are named Rw[adl]H, e.g., RwWALKRH and the equipment variables are named RwWALKRE and RwBEDE. These are coded "1" for yes, "0" for no, .D for "don't know," and .R for "refuse." If the Respondent reported "no difficulty," the help question is skipped, and the help variable (e.g., RwWALKRH) is set to "0" for "no help." The equipment question is asked regardless of the answer to the difficulty question. If the difficulty question is skipped because of previous answers, then both the help and equipment questions are also skipped and Rw[adl]H and RwWALKRE/RwBEDE are set to .S for "skip."

In Wave 2A, the question about getting help was asked before the one about difficulty and using equipment walking across a room. If Respondents answered "don't do" on the getting help question, then the R2[adl]H help variable is set to ".X" and, if applicable, the equipment variable (e.g., R2WALKRE and R2BEDE) is set to "7." In other waves, the question about help is asked even if the response to whether any difficulty is "don't do." In Wave 7, a mistake in the Spanish instrument allowed "can't do" and "don't do" responses for the help questions, and a few of these responses are given for all of the ADLs except help with dressing and eating.

In Wave 2H, the data needed to derive the help variables (R2[adl]H) and R2WALKRE/R2BEDE are not collected. R2[adl]H and R2WALKRE/R2BEDE are set to .Q to indicate that this information is not available for HRS Respondents in this wave.

The spouse variables are taken from the spouse's self-reported Wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

There are other versions of the Rw[adl] variables that recode to a yes/no measure for use in creating indices. One version of this variable is derived that attempts to code a consistent cross-wave yes/no dummy that indicates "any difficulty" (Rw[adl]A). These are available from Wave 2 forward. Because of the inconsistent coding of the underlying HRS data, we do not construct R1[adl]A variables in Wave 1. Please see the description of the Rw[adl]A variables under "Activities of daily living (ADLs): Any difficulty" for this version. Rw[adl]A variables are used to construct a number of functional limitation indices, including an ADL summary index.

Please see "ADL Summary" and "Other Summary Indices."

A third version of these variables are derived for Wave 1 only (R1[adl]W). They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper. These are provided for comparison to the results found in that paper. Please see "ADLs: Recodes for comparison to Wallace and Herzog" for a description of the R1[adl]W variables. Note that the Wallace and Herzog variables result in more limitation than the 0/1 recodes done in other waves (Rw[adl]A) solely due to measurement differences in the raw data. The R1[adl]W variables are not appropriate for comparison to the Rw[adl]A variables in other waves.

Exit Interview Variables

These variables recode the raw variables for whether the Respondent received help with activities of daily living (ADLs) in the last three months of life. The ADLs include: help getting across a room (REWALKRH); dressing, including putting on shoes and socks (REDRESSH); bathing or showering (REBATHH); eating, such as cutting up food (REEATH); getting in or out of bed (REBEDH); and using the toilet, including getting up and down (RETOILTH).

When asked about whether the Respondent received help with ADLs, the proxy may reply that the Respondent couldn't do or didn't do the activity. A "couldn't do" response is set to "2" and a "didn't do" response is set to "7."

The questions about receiving help are not asked in Wave 2H. The variables RE[adl]H are set to .Q if the Respondent's Exit Interview took place in Wave 2H.

If the Respondent was bedridden around their time of death, the ADL help questions are skipped and the variables RE[adl]H are set to .S for "skip." Bedridden is defined as spending more than half the day in bed for 86 or more days during the last three months before death. Please see "How Constructed" for REBEDRID for more information on bedridden status.

Core and Exit Differences

The Core and Exit Interviews differ in what questions are asked, the values the variables can take, and the skip patterns that lead to certain questions.

The Core Interview asks questions about Respondents' difficulties with activities of daily living (ADLs), help received with ADLs, and equipment used to assist with ADLs (for walking and getting in and out of bed). The Exit Interview only asks questions about help that the Respondent received with ADLs.

Because the Exit Interview doesn't ask questions about difficulty with ADLs, the proxy may reply "couldn't do" and "didn't do" to the help with ADL questions. In the Core Interview the "can't do" and "don't do" responses are available during the difficulty questions, and the help with ADL variables are binary.

The Core Interview has different skip patterns to enter the ADL section depending on the wave. Please see above for specifics. In general, Respondents are asked a preliminary series of questions about difficulties with different physical tasks. If the Respondent reports difficulty with these tasks, they are asked the ADL questions. In the Exit Interview, if the Respondent was not bedridden around time of death, the ADL questions are asked.

Of special note, for the help with ADL questions, Core Respondents are only asked each help question if they report having difficulty with the associated ADL (so a Respondent who reports no difficulty walking across a room would not be asked who helps them walk across a room). Exit proxies are asked all six help with ADL questions unless the Respondent was bedridden around time of death.

Cross Wave Differences in Original HRS Data

Core Interview Variables

Each wave has a series of questions about limits on activities of daily living (ADLs), but the ADLs, the question wording, and possible answers vary.

In all waves questions ask about a number of activities, such as climbing stairs or picking up a dime. In Wave 1 these include those identified as ADLs. The Wave 1 questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. ... Exclude any difficulties that you expect to last less than three months. How difficult is it for you to [...]? Is it not at all difficult, a little difficult, somewhat difficult, very difficult, or something that you can't do at all?"

The Respondent can also answer "don't do." The answers translate into 4 codes from 1 for "not at all difficult" to 4 for "very difficult/can't do." Another code is used for the "don't do" response. The specific wording for the ADLs is: walk across a room, get in and out of bed without help, bathe or shower without help, eat without help, and dress without help.

In Wave 2H the ADL questions continue to be embedded among other activities as in Wave 1, but the question and answers differ. The questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. Please tell me how difficult each of the following activities is for you. Exclude any difficulties that you expect to last less than three months. Do you have any difficulty with ...? [IF YES] Is that a little difficulty or a lot of difficulty?"

In the data the answers to the two-part question are recoded into 5-categories: 1=yes, a little difficult; 2=yes, a lot; 3=yes, DK; 4=yes, RF; 5=No; and 6=doesn't do. Note that there is no "can't do" category and that "don't do" is not an option in the instrument. The "doesn't do" category is likely the result of post-interview interpretation of interview comments so may be observed less frequently than in other waves, simply because of questionnaire differences. This does not appear to have a large impact among the ADLs. The specific wording for the ADLs is: walking across the room, getting in and out of bed without help, bathing or showering without help, eating without help, and dressing without help.

In Waves 1 and 2H, if the Respondent reported no difficulty with jogging a mile, walking several blocks, or walking one block, then the question about walking across the room is skipped.

In Wave 2A, the question asks:

"We need to understand difficulties people may have with various activities because of a health or physical problem. Please tell me whether you get help or have any difficulty doing each of the everyday activities. If you never do that activity, just tell me so. Does anyone ever help you ...? Yes, No or Don't do. [IF YES] Do you get help most of the time, some of the time, only occasionally?"

The exact wording for the ADLs in the help question is: get across a room; get in and out of bed; bathe or shower; dress, including putting on socks and shoes; eat, such as cutting up your food; and use the toilet, including getting up and down.

Regardless of whether any difficulty is reported for walking across the room: "Do you ever use equipment or devices such as a cane, walker or wheelchair when crossing a room?"

Regardless of whether any difficulty is reported for getting in and out of bed: "Do you ever use equipment or devices such as a rail, cane, walker, wheelchair or lift to help you get in and out of bed?"

For walking across a room and getting in and out of bed: "(Even when someone helps you/Even when using the (EQUIPMENT)/Without any help or special equipment) do you have any difficulty [...]? Yes or No. [if YES] Is that a lot or a little difficulty?" The exact wording for the task is: walking across the room and getting in and out of bed.

For other ADLS: "Do you have any difficulty [...](even when someone helps you/without any help)? Yes or No. [if YES] Is that a lot or a little difficulty?" The exact wording for these tasks is: bathing, eating, dressing, and using the toilet.

Note that in Wave 2A, the question about getting help was asked before any difficulty and using equipment. If the Respondent answered "don't do" on the getting help question, then the questions on any difficulty and equipment are skipped. Note that there is no "can't do" category.

From Wave 3 forward, the questions about ADLs are removed from the initial list of activities. If the Respondent has no difficulty with any of these activities then the questions about ADLs are skipped. Questions ask about ADLs ONLY if the Respondent reported difficulty with some activity on the initial list. The questions on ADLs ask:

"Here are a few more everyday activities. Please tell me if you have any difficulty with these because of a physical, mental, emotional or memory problem. Again exclude any difficulties you expect to last less than three months. Because of a health or memory problem do you have any difficulty with ...?"

The answers to the difficulty questions are simply: yes, no, can't do, or don't do. The exact wording for the ADLs is: walking across a room; dressing, including putting on socks and shoes; bathing or showering; eating, such as cutting up your food; getting in and out of bed; and using the toilet, including getting up and down.

Regardless of whether any difficulty is reported for walking across the room: "Do you ever use equipment or devices such as a cane, walker or wheelchair when crossing a room? Yes or No."

Regardless of whether any difficulty is reported for getting in and out of bed: "Do you ever use equipment or devices such as a cane, walker or railing when getting in or out of bed? Yes or No."

Unless the Respondent reports having no difficulty with an ADL, then they are asked:

"Does anyone ever help you [...]? Yes or No." The exact wording for each of the ADLs is: get across a room, dress, bathe, eat, get in or out of bed, and use the toilet.

From Wave 4 forward, the question organization and wording are the same as in Wave 3, with one exception. If the first basic ADL, dressing, showed no difficulty, and among the prior tasks at most one difficulty was reported, the rest of the basic ADLs of walking across a room, bathing, eating, getting in/out of bed, and using the toilet were skipped.

In Wave 7, a mistake in the Spanish instrument allowed "can't do" and "don't do" responses for the help questions, and a few of these responses are given for all of the ADLs except help with dressing and eating.

In Wave 15, some respondents were incorrectly not asked the ADL difficulty and help questions. The HRS produced imputations for the ADL difficulty variables for 1,308 Respondents and that data is incorporated into this file. The variable RADLIMP variable on the raw file indicates which records received imputed data. Note that the help questions were not imputed and are set to .M if missing.

For HRS Respondents in Waves 1 and 2H, the information for the equipment and help questions is not available. For Wave 2H, R2WALKRE, R2BEDE, R2WALKRH, are set to .Q and only Wave 2A Respondents have non-missing values for these variables. Also not asked in Waves 1 and 2H are all the questions about using the toilet, so for Wave 2H, R2TOILT and R2TOILTH are set to .Q.

Exit Interview Variables

In Exit Interview Wave 2H, proxies are not asked questions about whether Respondents received help with ADLs; therefore, all RE[adl]H variables are set to .Q if the Respondent's Exit Interview took place in Wave 2H.

HRS Variables Used

Core Interview Variables

```
HRS 1992:
    V304            B4A:RUN OR JOG 1 MIL:IMP
    V305            B4B:WALK SEVERAL BLO:IMP
    V306            B4C:WALK 1 BLOCK    :IMP
    V307            B4D:WALK ACROSS A RO:IMP
    V310            B4G:IN/OUT BED UNAID:IMP
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    V316            B4P:BATHE/SHOWR W/O :IMP
    V319            B4S:EAT W/O HELP    :IMP
    V320            B4T:DRESS W/O HELP  :IMP
AHEAD 1993:
    B768            E33. ADL WALK HELP EVER
    B770            E33b. WALK USE EQUIPMENT
    B773            E33e. WALK ANY DIFFICULTY
    B779            E35. ADL DRESS HELP EVER
    B781            E35b. DRESS ANY DIFFICULTY
    B787            E37. ADL BATHE HELP EVER
    B789            E37b. BATHE ANY DIFFICULTY
    B795            E39. ADL EAT GET HELP EVER
    B797            E39b. EAT DIFFICULTY
    B803            E41. ADL IN/OUT BED HELP EVER
    B808            E43. BED USE EQUIPMENT EVER
    B811            E43c. BED ANY DIFFICULTY
    B814            E44. ADL TOILET HELP EVER
    B816            E44b. TOILET ANY DIFFICULTY
HRS 1994:
    W306            B4.RUNNING/JOGGING 1 MIL
    W307            B4a.WALKING SEVERAL BLOC
    W308            B4b.WALKING ONE BLOCK
    W309            B4c.WALKING ACROSS A ROO
    W312            B4f.GETTING IN/OUT OF BE
    W318            B4n.BATHING/SHOWERING WI
    W321            B4r.EATING WITHOUT HELP
    W322            B4s.DRESSING WITHOUT HEL
AHEAD 1995:
    D1870           ADLCK.CKPT FOR SKIPPING ADL SERIES
    D1871           E72.WALK DIFF
    D1874           E72C.WALK EQUIPMENT
    D1877           E72F.ADL WALK HELP
    D1884           E73.DRESS DIFF
    D1887           E73F.ADL DRESS HELP
    D1894           E74.BATHING DIFF
    D1897           E74F.ADL BATHE HELP
    D1904           E75.EAT DIFF
    D1907           E75F.ADL EAT HELP
    D1914           E76.BED DIFF
    D1917           E76C.BED EQUIPMENT
    D1920           E76F.ADL BED HELP
    D1927           E77.TOILET DIFF
    D1930           E77F.ADL TOILET HELP
HRS 1996:
    E1894           ADLCK.CKPT FOR SKIPPING ADL SERIES
    E1895           E72.WALK DIFF
    E1898           E72C.WALK EQUIPMENT
    E1901           E72F.ADL WALK HELP
    E1908           E73.DRESS DIFF
    E1911           E73F.ADL DRESS HELP
    E1918           E74.BATHING DIFF
    E1921           E74F.ADL BATHE HELP
    E1928           E75.EAT DIFF
    E1931           E75F.ADL EAT HELP
    E1938           E76.BED DIFF
    E1941           E76C.BED EQUIPMENT
    E1944           E76F.ADL BED HELP
    E1951           E77.TOILET DIFF
    E1954           E77F.ADL TOILET HELP
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HRS 1998:
    F2421           E71.PICK DIME
    F2425           E73F.DRESS DIFF
    F2426           E73F.ADL DRESS HELP
    F2427           E72.WALK DIFF
    F2428           E72C.WALK EQUIPMENT
    F2431           E72.ADL WALK HELP
    F2444           E74.BATHING DIFF
    F2447           E74F.ADL BATHE HELP
    F2454           E75.EAT DIFF
    F2457           E75F.ADL EAT HELP
    F2464           E76.BED DIFF
    F2467           E76C.BED EQUIPMENT
    F2470           E76F.ADL BED HELP
    F2477           E77.TOILET DIFF
    F2480           E77F.ADL TOILET HELP
HRS 2000:
    G2719           E71.PICK DIME
    G2723           E73Y1.DRESS DIFF
    G2724           E73F.ADL DRESS HELP
    G2725           E72.WALK DIFF
    G2726           E72C.WALK EQUIPMENT
    G2729           E72Y1.ADL WALK HELP
    G2742           E74.BATHING DIFF
    G2745           E74F.ADL BATHE HELP
    G2752           E75.EAT DIFF
    G2755           E75F.ADL EAT HELP
    G2762           E76.BED DIFF
    G2765           E76C.BED EQUIPMENT
    G2768           E76F.ADL BED HELP
    G2775           E77.TOILET DIFF
    G2778           E77F.ADL TOILET HELP
HRS 2002-2022:
    xG012           DIFFICULTY- PICKING UP DIME
    xG014           DIFFICULTY- DRESSING
    xG015           HELP W/DRESS
    xG016           DIFFICULTY WALKING
    xG017           WALK EQUIPMENT
    xG020           ADL WALK HELP
    xG021           DIFFICULTY BATHING
    xG022           ADL BATHE HELP
    xG023           DIFFICULTY EATING
    xG024           ADL EAT HELP
    xG025           DIFFICULTY GET IN/OUT BED
    xG026           BED EQUIPMENT
    xG029           ADL BED HELP
    xG030           DIFFICULTY USING TOILET
    xG031           ADL TOILET HELP
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Exit Interview Variables

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AHEAD 1995:
    N1877           E72fx.ADL WALK HELP
    N1887           E73fx.ADL DRESS HELP
    N1897           E74fx.ADL BATHE HELP
    N1907           E75fx.ADL EAT HELP
    N1920           E76fx.ADL BED HELP
    N1930           E77fx.ADL TOILET HELP
HRS 1996:
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    P1415           E72fx.ADL WALK HELP
    P1425           E73fx.ADL DRESS HELP
    P1435           E74fx.ADL BATHE HELP
    P1445           E75fx.ADL EAT HELP
    P1458           E76fx.ADL BED HELP
    P1468           E77fx.ADL TOILET HELP
HRS 1998:
    Q1852           E73fx.DRESS DIFF
    Q1859           E72x.WALK DIFF
    Q1881           E74x.BATHING DIFF
    Q1896           E75x.EAT DIFF
    Q1911           E76x.BED DIFF
    Q1929           E77x.TOILET DIFF
HRS 2000:
    R1872           E73fx.DRESS DIFF
    R1879           E72x.WALK DIFF
    R1894           E74x.BATHING DIFF
    R1909           E75x.EAT DIFF
    R1924           E76x.BED DIFF
    R1942           E77x.TOILET DIFF
HRS 2002-2022:
    xG015           HELP W/DRESS
    xG020           ADL WALK HELP
    xG022           ADL BATHE HELP
    xG024           ADL EAT HELP
    xG029           ADL BED HELP
    xG031           ADL TOILET HELP
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Activities of daily living (ADLs): Time Helped Before Death

Wave	Variable	Label	Type
E	REWALKRT	REWALKRT:EXIT Time R got help-Walk across room	Cont
E	REDRESST	REDRESST:EXIT Time R got help-Dressing	Cont
E	REBATHT	REBATHT:EXIT Time R got help-Bathing, showering	Cont
E	REEATT	REEATT:EXIT Time R got help-Eating	Cont
E	REBEDT	REBEDT:EXIT Time R got help-Get in/out bed	Cont
E	RETOILTT	RETOILTT:EXIT Time R got help-Using the toilet	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
REWALKRT	5323	12.93	38.32	0.0	1118.0
REDRESST	6491	14.20	43.68	0.0	1126.0
REBATHT	6961	15.21	37.38	0.0	1129.0
REEATT	4397	9.99	24.79	0.0	593.0
REBEDT	5662	9.87	26.25	0.0	1028.0
RETOILTT	5468	10.88	37.76	0.0	1188.0

How Constructed

These variables indicate the amount of time, in months, that the Respondent was helped with activities of daily living (ADLs) prior to death. The ADLs include time helped walking across a room (REWALKRT), dressing (REDRESST), bathing (REBATHT), eating (REEATT), getting in and out of bed (REBEDT), and using the toilet (RETOILTT).

Proxies are asked how long the Respondent needed help with an ADL if the Respondent received help for that ADL in their last three months of life, or if the Respondent couldn't do or didn't do that ADL.

Proxies who answer the amount of time question can answer in 4 different ways. Responses can be of the form (1) Number of Months Helped; (2) Number of Years Helped; (3) Age Received Help Since; (4) Year Received Help Since. The variables RE[adl]T are reported in number of months. If the proxy reports Number of Months, this value is used. If the proxy reports Number of Years, this value divided by 12 is used.

If the proxy reports "since age," the date started receiving help is calculated as the day the Respondent turned that age. If the proxy reports "since year," the date started receiving help is calculated as January 1 of that year. These dates are then compared to the death date of the Respondent.

Through this calculation, there were a small but non-trivial number of observations with negative number of months helped. This happened if, for example, the proxy was interviewed in 2010 and responded "He needed help since 2009" but the Respondent had died in October of 2008. Observations that would have a negative value given their Since Age or Since Year answers are instead set to .A.

If the proxy didn't report that the Respondent had difficulty with, didn't do or couldn't do the corresponding ADL, the ADL time question is skipped and the variable RE[adl]T is set to .S.

The questions about length of time needing help are not asked in Wave 2H. The variables RE[adl]T are set to .Q if the Respondent's Exit Interview took place in Wave 2H.

Cross Wave Differences in Original HRS Data

In Wave 2H, proxies are not asked questions about length of time Respondents needed help with ADLs; therefore, RE[adl]T variables are set to .Q if the Respondent's Exit Interview took place in Wave 2H.

HRS Variables Used

Exit Interview Variables

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AHEAD 1995:
    N1878           E72gx.WALK HELP WHEN
    N1879           E72hx.WALK YEARS
    N1880           E72hx.WALK SINCE AGE
    N1881           E72hx.WALK SINCE YEAR
    N1888           E73gx.DRESS HELP WHEN
    N1889           E72hx.DRESS YEARS
    N1890           E72hx.DRESS SINCE AGE
    N1891           E72hx.DRESS SINCE YEAR
    N1898           E74gx.WALK HELP WHEN
    N1899           E74hx.BATHE YEARS
    N1900           E74hx.BATHE SINCE AGE
    N1901           E74hx.BATHE SINCE YEAR
    N1908           E75gx.EAT HELP WHEN
    N1909           E75hx.EAT YEARS
    N1910           E75hx.EAT SINCE AGE
    N1911           E75hx.EAT SINCE YEAR
    N1921           E76gx.BED HELP WHEN
    N1922           E76hx.BED YEARS
    N1923           E76hx.BED SINCE AGE
    N1924           E76hx.BED SINCE YEAR
    N1931           E77gx.TOILET HELP WHEN
    N1932           E77hx.TOILET YEARS
    N1933           E77hx.TOILET SINCE AGE
    N1934           E77hx.TOILET SINCE YEAR
HRS 1996:
    P1416           E72gx.WALK HELP WHEN
    P1417           E72hx.WALK YEARS
    P1418           E72hx.WALK SINCE AGE
    P1419           E72hx.WALK SINCE YEAR
    P1426           E73gx.DRESS HELP WHEN
    P1427           E72hx.DRESS YEARS
    P1428           E72hx.DRESS SINCE AGE
    P1429           E72hx.DRESS SINCE YEAR
    P1436           E74gx.HOW LONG HELP BATH
    P1437           E74hx.BATHE YEARS
    P1438           E74hx.BATHE SINCE AGE
    P1439           E74hx.BATHE SINCE YEAR
    P1446           E75gx.EAT HELP WHEN
    P1447           E75hx.EAT YEARS
    P1448           E75hx.EAT SINCE AGE
    P1449           E75hx.EAT SINCE YEAR
    P1459           E76gx.BED HELP WHEN
    P1460           E76hx.BED YEARS
    P1461           E76hx.BED SINCE AGE
    P1462           E76hx.BED SINCE YEAR
    P1469           E77gx.TOILET HELP WHEN
    P1470           E77hx.TOILET YEARS
    P1471           E77hx.TOILET SINCE AGE
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    P1472           E77hx.TOILET SINCE YEAR
HRS 1998:
    Q1853           E73gx.DRESS HELP WHEN
    Q1854           E73gx.DRESS YEARS
    Q1855           E73gx.DRESS SINCE AGE
    Q1856           E73gx.DRESS SINCE YEAR
    Q1863           E72fx.WALKING HELP WHEN
    Q1864           E72fx.WALKING YEARS
    Q1865           E72fx.WALKING SINCE AGE
    Q1866           E72fx.WALKING SINCE YEAR
    Q1882           E74fx.BATHING HELP WHEN
    Q1883           E74fx.BATHING YEARS
    Q1884           E74fx.BATHING SINCE AGE
    Q1885           E74fx.BATHING SINCE YEAR
    Q1897           E75fx.EAT HELP WHEN
    Q1898           E75fx.EAT YEARS
    Q1899           E75fx.EAT SINCE AGE
    Q1900           E75fx.EAT SINCE YEAR
    Q1917           E76fx.BED HELP WHEN
    Q1918           E76fx.BED YEARS
    Q1919           E76fx.BED SINCE AGE
    Q1920           E76fx.BED SINCE YEAR
    Q1930           E77fx.TOILET HELP WHEN
    Q1931           E77fx.TOILET YEARS
    Q1932           E77fx.TOILET SINCE AGE
    Q1933           E77fx.TOILET SINCE YEAR
HRS 2000:
    R1873           E73gx.DRESS HELP WHEN
    R1874           E73gax.DRESS YEARS
    R1875           E73gbx.DRESS SINCE AGE
    R1876           E73gcx.DRESS SINCE YEAR
    R1883           E72fx.WALKING HELP WHEN
    R1884           E72fax.WALKING YEARS
    R1885           E72fbx.WALKING SINCE AGE
    R1886           E72fcx.WALKING SINCE YEAR
    R1895           E74fx.BATHING HELP WHEN
    R1896           E74fax.BATHING YEARS
    R1897           E74fbx.BATHING SINCE AGE
    R1898           E74fcx.BATHING SINCE YEAR
    R1910           E75fx.EAT HELP WHEN
    R1911           E75fax.EAT YEARS
    R1912           E75fbx.EAT SINCE AGE
    R1913           E75fcx.EAT SINCE YEAR
    R1930           E76fx.BED HELP WHEN
    R1931           E76fax.BED YEARS
    R1932           E76fbx.BED SINCE AGE
    R1933           E76fcx.BED SINCE YEAR
    R1943           E77fx.TOILET HELP WHEN
    R1944           E77fax.TOILET YEARS
    R1945           E77fbx.TOILET SINCE AGE
    R1946           E77fcx.TOILET SINCE YEAR
HRS 2002-2022:
    xG130           HELP DRESSING- MONTHS
    xG131           HELP DRESSING- YEARS
    xG132           HELP DRESSING- SINCE AGE
    xG133           HELP DRESSING- SINCE YEAR
    xG134           HELP WALKING- MONTHS
    xG135           HELP WALKING- YEARS
    xG136           HELP WALKING- SINCE AGE
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xG137	HELP WALKING- SINCE YEAR
xG138	HELP BATHING- MONTHS
xG139	HELP BATHING- YEARS
xG140	HELP BATHING- SINCE AGE
xG141	HELP BATHING- SINCE YEAR
xG142	HELP EATING- MONTHS
xG143	HELP EATING- YEARS
xG144	HELP EATING- SINCE AGE
xG145	HELP IN/OUT BED- MONTHS
xG146	HELP IN/OUT BED- YEARS
xG147	HELP IN/OUT BED- SINCE AGE
xG148	HELP IN/OUT BED- SINCE YEAR
xG149	HELP USING TOILET- MONTHS
xG150	HELP USING TOILET- YEARS
xG151	HELP USING TOILET- SINCE AGE
xG152	HELP USING TOILET- SINCE YEAR
xG170	HELP EATING- SINCE YEAR

Activities of daily living (ADLs): Any difficulty

Wave	Variable	Label	Type
2	R2WALKRA	R2WALKRA:W2 R Any Diff-Walk across room	Categ
3	R3WALKRA	R3WALKRA:W3 R Any Diff-Walk across room	Categ
4	R4WALKRA	R4WALKRA:W4 R Any Diff-Walk across room	Categ
5	R5WALKRA	R5WALKRA:W5 R Any Diff-Walk across room	Categ
6	R6WALKRA	R6WALKRA:W6 R Any Diff-Walk across room	Categ
7	R7WALKRA	R7WALKRA:W7 R Any Diff-Walk across room	Categ
8	R8WALKRA	R8WALKRA:W8 R Any Diff-Walk across room	Categ
9	R9WALKRA	R9WALKRA:W9 R Any Diff-Walk across room	Categ
10	R10WALKRA	R10WALKRA:W10 R Any Diff-Walk across room	Categ
11	R11WALKRA	R11WALKRA:W11 R Any Diff-Walk across room	Categ
12	R12WALKRA	R12WALKRA:W12 R Any Diff-Walk across room	Categ
13	R13WALKRA	R13WALKRA:W13 R Any Diff-Walk across room	Categ
14	R14WALKRA	R14WALKRA:W14 R Any Diff-Walk across room	Categ
15	R15WALKRA	R15WALKRA:W15 R Any Diff-Walk across room	Categ
16	R16WALKRA	R16WALKRA:W16 R Any Diff-Walk across room	Categ
2	S2WALKRA	S2WALKRA:W2 S Any Diff-Walk across room	Categ
3	S3WALKRA	S3WALKRA:W3 S Any Diff-Walk across room	Categ
4	S4WALKRA	S4WALKRA:W4 S Any Diff-Walk across room	Categ
5	S5WALKRA	S5WALKRA:W5 S Any Diff-Walk across room	Categ
6	S6WALKRA	S6WALKRA:W6 S Any Diff-Walk across room	Categ
7	S7WALKRA	S7WALKRA:W7 S Any Diff-Walk across room	Categ
8	S8WALKRA	S8WALKRA:W8 S Any Diff-Walk across room	Categ
9	S9WALKRA	S9WALKRA:W9 S Any Diff-Walk across room	Categ
10	S10WALKRA	S10WALKRA:W10 S Any Diff-Walk across room	Categ
11	S11WALKRA	S11WALKRA:W11 S Any Diff-Walk across room	Categ
12	S12WALKRA	S12WALKRA:W12 S Any Diff-Walk across room	Categ
13	S13WALKRA	S13WALKRA:W13 S Any Diff-Walk across room	Categ
14	S14WALKRA	S14WALKRA:W14 S Any Diff-Walk across room	Categ
15	S15WALKRA	S15WALKRA:W15 S Any Diff-Walk across room	Categ
16	S16WALKRA	S16WALKRA:W16 S Any Diff-Walk across room	Categ
2	R2DRESSA	R2DRESSA:W2 R Any Diff-Dressing	Categ
3	R3DRESSA	R3DRESSA:W3 R Any Diff-Dressing	Categ
4	R4DRESSA	R4DRESSA:W4 R Any Diff-Dressing	Categ
5	R5DRESSA	R5DRESSA:W5 R Any Diff-Dressing	Categ
6	R6DRESSA	R6DRESSA:W6 R Any Diff-Dressing	Categ
7	R7DRESSA	R7DRESSA:W7 R Any Diff-Dressing	Categ
8	R8DRESSA	R8DRESSA:W8 R Any Diff-Dressing	Categ
9	R9DRESSA	R9DRESSA:W9 R Any Diff-Dressing	Categ
10	R10DRESSA	R10DRESSA:W10 R Any Diff-Dressing	Categ
11	R11DRESSA	R11DRESSA:W11 R Any Diff-Dressing	Categ
12	R12DRESSA	R12DRESSA:W12 R Any Diff-Dressing	Categ
13	R13DRESSA	R13DRESSA:W13 R Any Diff-Dressing	Categ
14	R14DRESSA	R14DRESSA:W14 R Any Diff-Dressing	Categ
15	R15DRESSA	R15DRESSA:W15 R Any Diff-Dressing	Categ
16	R16DRESSA	R16DRESSA:W16 R Any Diff-Dressing	Categ
2	S2DRESSA	S2DRESSA:W2 S Any Diff-Dressing	Categ
3	S3DRESSA	S3DRESSA:W3 S Any Diff-Dressing	Categ
4	S4DRESSA	S4DRESSA:W4 S Any Diff-Dressing	Categ
5	S5DRESSA	S5DRESSA:W5 S Any Diff-Dressing	Categ
6	S6DRESSA	S6DRESSA:W6 S Any Diff-Dressing	Categ
7	S7DRESSA	S7DRESSA:W7 S Any Diff-Dressing	Categ
8	S8DRESSA	S8DRESSA:W8 S Any Diff-Dressing	Categ
9	S9DRESSA	S9DRESSA:W9 S Any Diff-Dressing	Categ
10	S10DRESSA	S10DRESSA:W10 S Any Diff-Dressing	Categ
11	S11DRESSA	S11DRESSA:W11 S Any Diff-Dressing	Categ
12	S12DRESSA	S12DRESSA:W12 S Any Diff-Dressing	Categ
13	S13DRESSA	S13DRESSA:W13 S Any Diff-Dressing	Categ
14	S14DRESSA	S14DRESSA:W14 S Any Diff-Dressing	Categ
15	S15DRESSA	S15DRESSA:W15 S Any Diff-Dressing	Categ
16	S16DRESSA	S16DRESSA:W16 S Any Diff-Dressing	Categ
2	R2BATHA	R2BATHA:W2 R Any Diff-Bathing, shower	Categ
3	R3BATHA	R3BATHA:W3 R Any Diff-Bathing, shower	Categ

4	R4BATHA	R4BATHA:W4 R Any Diff-Bathing, shower	Categ
5	R5BATHA	R5BATHA:W5 R Any Diff-Bathing, shower	Categ
6	R6BATHA	R6BATHA:W6 R Any Diff-Bathing, shower	Categ
7	R7BATHA	R7BATHA:W7 R Any Diff-Bathing, shower	Categ
8	R8BATHA	R8BATHA:W8 R Any Diff-Bathing, shower	Categ
9	R9BATHA	R9BATHA:W9 R Any Diff-Bathing, shower	Categ
10	R10BATHA	R10BATHA:W10 R Any Diff-Bathing, shower	Categ
11	R11BATHA	R11BATHA:W11 R Any Diff-Bathing, shower	Categ
12	R12BATHA	R12BATHA:W12 R Any Diff-Bathing, shower	Categ
13	R13BATHA	R13BATHA:W13 R Any Diff-Bathing, shower	Categ
14	R14BATHA	R14BATHA:W14 R Any Diff-Bathing, shower	Categ
15	R15BATHA	R15BATHA:W15 R Any Diff-Bathing, shower	Categ
16	R16BATHA	R16BATHA:W16 R Any Diff-Bathing, shower	Categ

2	S2BATHA	S2BATHA:W2 S Any Diff-Bathing, shower	Categ
3	S3BATHA	S3BATHA:W3 S Any Diff-Bathing, shower	Categ
4	S4BATHA	S4BATHA:W4 S Any Diff-Bathing, shower	Categ
5	S5BATHA	S5BATHA:W5 S Any Diff-Bathing, shower	Categ
6	S6BATHA	S6BATHA:W6 S Any Diff-Bathing, shower	Categ
7	S7BATHA	S7BATHA:W7 S Any Diff-Bathing, shower	Categ
8	S8BATHA	S8BATHA:W8 S Any Diff-Bathing, shower	Categ
9	S9BATHA	S9BATHA:W9 S Any Diff-Bathing, shower	Categ
10	S10BATHA	S10BATHA:W10 S Any Diff-Bathing, shower	Categ
11	S11BATHA	S11BATHA:W11 S Any Diff-Bathing, shower	Categ
12	S12BATHA	S12BATHA:W12 S Any Diff-Bathing, shower	Categ
13	S13BATHA	S13BATHA:W13 S Any Diff-Bathing, shower	Categ
14	S14BATHA	S14BATHA:W14 S Any Diff-Bathing, shower	Categ
15	S15BATHA	S15BATHA:W15 S Any Diff-Bathing, shower	Categ
16	S16BATHA	S16BATHA:W16 S Any Diff-Bathing, shower	Categ

2	R2EATA	R2EATA:W2 R Any Diff-Eating	Categ
3	R3EATA	R3EATA:W3 R Any Diff-Eating	Categ
4	R4EATA	R4EATA:W4 R Any Diff-Eating	Categ
5	R5EATA	R5EATA:W5 R Any Diff-Eating	Categ
6	R6EATA	R6EATA:W6 R Any Diff-Eating	Categ
7	R7EATA	R7EATA:W7 R Any Diff-Eating	Categ
8	R8EATA	R8EATA:W8 R Any Diff-Eating	Categ
9	R9EATA	R9EATA:W9 R Any Diff-Eating	Categ
10	R10EATA	R10EATA:W10 R Any Diff-Eating	Categ
11	R11EATA	R11EATA:W11 R Any Diff-Eating	Categ
12	R12EATA	R12EATA:W12 R Any Diff-Eating	Categ
13	R13EATA	R13EATA:W13 R Any Diff-Eating	Categ
14	R14EATA	R14EATA:W14 R Any Diff-Eating	Categ
15	R15EATA	R15EATA:W15 R Any Diff-Eating	Categ
16	R16EATA	R16EATA:W16 R Any Diff-Eating	Categ

2	S2EATA	S2EATA:W2 S Any Diff-Eating	Categ
3	S3EATA	S3EATA:W3 S Any Diff-Eating	Categ
4	S4EATA	S4EATA:W4 S Any Diff-Eating	Categ
5	S5EATA	S5EATA:W5 S Any Diff-Eating	Categ
6	S6EATA	S6EATA:W6 S Any Diff-Eating	Categ
7	S7EATA	S7EATA:W7 S Any Diff-Eating	Categ
8	S8EATA	S8EATA:W8 S Any Diff-Eating	Categ
9	S9EATA	S9EATA:W9 S Any Diff-Eating	Categ
10	S10EATA	S10EATA:W10 S Any Diff-Eating	Categ
11	S11EATA	S11EATA:W11 S Any Diff-Eating	Categ
12	S12EATA	S12EATA:W12 S Any Diff-Eating	Categ
13	S13EATA	S13EATA:W13 S Any Diff-Eating	Categ
14	S14EATA	S14EATA:W14 S Any Diff-Eating	Categ
15	S15EATA	S15EATA:W15 S Any Diff-Eating	Categ
16	S16EATA	S16EATA:W16 S Any Diff-Eating	Categ

2	R2BEDA	R2BEDA:W2 R Any Diff-Get in/out bed	Categ
3	R3BEDA	R3BEDA:W3 R Any Diff-Get in/out bed	Categ
4	R4BEDA	R4BEDA:W4 R Any Diff-Get in/out bed	Categ
5	R5BEDA	R5BEDA:W5 R Any Diff-Get in/out bed	Categ
6	R6BEDA	R6BEDA:W6 R Any Diff-Get in/out bed	Categ
7	R7BEDA	R7BEDA:W7 R Any Diff-Get in/out bed	Categ
8	R8BEDA	R8BEDA:W8 R Any Diff-Get in/out bed	Categ
9	R9BEDA	R9BEDA:W9 R Any Diff-Get in/out bed	Categ
10	R10BEDA	R10BEDA:W10 R Any Diff-Get in/out bed	Categ
11	R11BEDA	R11BEDA:W11 R Any Diff-Get in/out bed	Categ

12	R12BEDA	R12BEDA:W12 R Any Diff-Get in/out bed	Categ
13	R13BEDA	R13BEDA:W13 R Any Diff-Get in/out bed	Categ
14	R14BEDA	R14BEDA:W14 R Any Diff-Get in/out bed	Categ
15	R15BEDA	R15BEDA:W15 R Any Diff-Get in/out bed	Categ
16	R16BEDA	R16BEDA:W16 R Any Diff-Get in/out bed	Categ
2	S2BEDA	S2BEDA:W2 S Any Diff-Get in/out bed	Categ
3	S3BEDA	S3BEDA:W3 S Any Diff-Get in/out bed	Categ
4	S4BEDA	S4BEDA:W4 S Any Diff-Get in/out bed	Categ
5	S5BEDA	S5BEDA:W5 S Any Diff-Get in/out bed	Categ
6	S6BEDA	S6BEDA:W6 S Any Diff-Get in/out bed	Categ
7	S7BEDA	S7BEDA:W7 S Any Diff-Get in/out bed	Categ
8	S8BEDA	S8BEDA:W8 S Any Diff-Get in/out bed	Categ
9	S9BEDA	S9BEDA:W9 S Any Diff-Get in/out bed	Categ
10	S10BEDA	S10BEDA:W10 S Any Diff-Get in/out bed	Categ
11	S11BEDA	S11BEDA:W11 S Any Diff-Get in/out bed	Categ
12	S12BEDA	S12BEDA:W12 S Any Diff-Get in/out bed	Categ
13	S13BEDA	S13BEDA:W13 S Any Diff-Get in/out bed	Categ
14	S14BEDA	S14BEDA:W14 S Any Diff-Get in/out bed	Categ
15	S15BEDA	S15BEDA:W15 S Any Diff-Get in/out bed	Categ
16	S16BEDA	S16BEDA:W16 S Any Diff-Get in/out bed	Categ
2	R2TOILTA	R2TOILTA:W2 R Any Diff-Using the toilet	Categ
3	R3TOILTA	R3TOILTA:W3 R Any Diff-Using the toilet	Categ
4	R4TOILTA	R4TOILTA:W4 R Any Diff-Using the toilet	Categ
5	R5TOILTA	R5TOILTA:W5 R Any Diff-Using the toilet	Categ
6	R6TOILTA	R6TOILTA:W6 R Any Diff-Using the toilet	Categ
7	R7TOILTA	R7TOILTA:W7 R Any Diff-Using the toilet	Categ
8	R8TOILTA	R8TOILTA:W8 R Any Diff-Using the toilet	Categ
9	R9TOILTA	R9TOILTA:W9 R Any Diff-Using the toilet	Categ
10	R10TOILTA	R10TOILTA:W10 R Any Diff-Using the toilet	Categ
11	R11TOILTA	R11TOILTA:W11 R Any Diff-Using the toilet	Categ
12	R12TOILTA	R12TOILTA:W12 R Any Diff-Using the toilet	Categ
13	R13TOILTA	R13TOILTA:W13 R Any Diff-Using the toilet	Categ
14	R14TOILTA	R14TOILTA:W14 R Any Diff-Using the toilet	Categ
15	R15TOILTA	R15TOILTA:W15 R Any Diff-Using the toilet	Categ
16	R16TOILTA	R16TOILTA:W16 R Any Diff-Using the toilet	Categ
2	S2TOILTA	S2TOILTA:W2 S Any Diff-Using the toilet	Categ
3	S3TOILTA	S3TOILTA:W3 S Any Diff-Using the toilet	Categ
4	S4TOILTA	S4TOILTA:W4 S Any Diff-Using the toilet	Categ
5	S5TOILTA	S5TOILTA:W5 S Any Diff-Using the toilet	Categ
6	S6TOILTA	S6TOILTA:W6 S Any Diff-Using the toilet	Categ
7	S7TOILTA	S7TOILTA:W7 S Any Diff-Using the toilet	Categ
8	S8TOILTA	S8TOILTA:W8 S Any Diff-Using the toilet	Categ
9	S9TOILTA	S9TOILTA:W9 S Any Diff-Using the toilet	Categ
10	S10TOILTA	S10TOILTA:W10 S Any Diff-Using the toilet	Categ
11	S11TOILTA	S11TOILTA:W11 S Any Diff-Using the toilet	Categ
12	S12TOILTA	S12TOILTA:W12 S Any Diff-Using the toilet	Categ
13	S13TOILTA	S13TOILTA:W13 S Any Diff-Using the toilet	Categ
14	S14TOILTA	S14TOILTA:W14 S Any Diff-Using the toilet	Categ
15	S15TOILTA	S15TOILTA:W15 S Any Diff-Using the toilet	Categ
16	S16TOILTA	S16TOILTA:W16 S Any Diff-Using the toilet	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2WALKRA	19266	0.07	0.25	0.0	1.0
R3WALKRA	17938	0.07	0.26	0.0	1.0
R4WALKRA	21341	0.07	0.26	0.0	1.0
R5WALKRA	19531	0.08	0.27	0.0	1.0
R6WALKRA	18143	0.08	0.28	0.0	1.0
R7WALKRA	20103	0.08	0.27	0.0	1.0
R8WALKRA	18445	0.08	0.28	0.0	1.0
R9WALKRA	17193	0.09	0.28	0.0	1.0

R10WALKRA	21889	0.08	0.27	0.0	1.0
R11WALKRA	20525	0.08	0.27	0.0	1.0
R12WALKRA	18713	0.09	0.28	0.0	1.0
R13WALKRA	20862	0.08	0.27	0.0	1.0
R14WALKRA	17116	0.08	0.28	0.0	1.0
R15WALKRA	15629	0.07	0.26	0.0	1.0
R16WALKRA	15704	0.08	0.28	0.0	1.0
S2WALKRA	12808	0.05	0.21	0.0	1.0
S3WALKRA	11895	0.05	0.22	0.0	1.0
S4WALKRA	13967	0.05	0.21	0.0	1.0
S5WALKRA	12720	0.05	0.22	0.0	1.0
S6WALKRA	11632	0.05	0.23	0.0	1.0
S7WALKRA	12966	0.05	0.22	0.0	1.0
S8WALKRA	11732	0.05	0.23	0.0	1.0
S9WALKRA	10639	0.05	0.22	0.0	1.0
S10WALKRA	13428	0.05	0.22	0.0	1.0
S11WALKRA	12475	0.06	0.23	0.0	1.0
S12WALKRA	11005	0.06	0.23	0.0	1.0
S13WALKRA	11767	0.05	0.23	0.0	1.0
S14WALKRA	9352	0.06	0.23	0.0	1.0
S15WALKRA	8460	0.05	0.22	0.0	1.0
S16WALKRA	7823	0.05	0.23	0.0	1.0
R2DRESSA	19628	0.05	0.23	0.0	1.0
R3DRESSA	17950	0.10	0.31	0.0	1.0
R4DRESSA	21352	0.10	0.30	0.0	1.0
R5DRESSA	19550	0.11	0.31	0.0	1.0
R6DRESSA	18152	0.11	0.31	0.0	1.0
R7DRESSA	20114	0.10	0.30	0.0	1.0
R8DRESSA	18453	0.11	0.31	0.0	1.0
R9DRESSA	17204	0.11	0.32	0.0	1.0
R10DRESSA	21896	0.12	0.32	0.0	1.0
R11DRESSA	20523	0.11	0.32	0.0	1.0
R12DRESSA	18721	0.12	0.33	0.0	1.0
R13DRESSA	20867	0.12	0.32	0.0	1.0
R14DRESSA	17112	0.11	0.31	0.0	1.0
R15DRESSA	15636	0.11	0.31	0.0	1.0
R16DRESSA	15697	0.11	0.32	0.0	1.0
S2DRESSA	13081	0.04	0.19	0.0	1.0
S3DRESSA	11904	0.08	0.27	0.0	1.0
S4DRESSA	13970	0.08	0.27	0.0	1.0
S5DRESSA	12722	0.08	0.28	0.0	1.0
S6DRESSA	11635	0.08	0.27	0.0	1.0
S7DRESSA	12970	0.08	0.26	0.0	1.0
S8DRESSA	11732	0.09	0.28	0.0	1.0
S9DRESSA	10643	0.08	0.28	0.0	1.0
S10DRESSA	13433	0.09	0.29	0.0	1.0
S11DRESSA	12476	0.08	0.28	0.0	1.0
S12DRESSA	11005	0.10	0.29	0.0	1.0
S13DRESSA	11771	0.09	0.29	0.0	1.0
S14DRESSA	9348	0.09	0.28	0.0	1.0
S15DRESSA	8462	0.09	0.28	0.0	1.0
S16DRESSA	7821	0.09	0.28	0.0	1.0
R2BATHA	19627	0.05	0.22	0.0	1.0
R3BATHA	17944	0.08	0.27	0.0	1.0
R4BATHA	21350	0.08	0.27	0.0	1.0

R5BATHA	19545	0.08	0.27	0.0	1.0
R6BATHA	18151	0.09	0.28	0.0	1.0
R7BATHA	20107	0.08	0.27	0.0	1.0
R8BATHA	18451	0.08	0.28	0.0	1.0
R9BATHA	17202	0.09	0.28	0.0	1.0
R10BATHA	21894	0.09	0.28	0.0	1.0
R11BATHA	20524	0.09	0.28	0.0	1.0
R12BATHA	18722	0.09	0.29	0.0	1.0
R13BATHA	20871	0.08	0.28	0.0	1.0
R14BATHA	17113	0.08	0.27	0.0	1.0
R15BATHA	15638	0.08	0.27	0.0	1.0
R16BATHA	15702	0.08	0.27	0.0	1.0
S2BATHA	13083	0.03	0.18	0.0	1.0
S3BATHA	11904	0.05	0.21	0.0	1.0
S4BATHA	13972	0.05	0.22	0.0	1.0
S5BATHA	12723	0.05	0.22	0.0	1.0
S6BATHA	11635	0.05	0.22	0.0	1.0
S7BATHA	12968	0.05	0.21	0.0	1.0
S8BATHA	11732	0.05	0.22	0.0	1.0
S9BATHA	10642	0.05	0.22	0.0	1.0
S10BATHA	13430	0.05	0.22	0.0	1.0
S11BATHA	12476	0.05	0.23	0.0	1.0
S12BATHA	11005	0.06	0.23	0.0	1.0
S13BATHA	11770	0.05	0.22	0.0	1.0
S14BATHA	9349	0.05	0.22	0.0	1.0
S15BATHA	8467	0.05	0.22	0.0	1.0
S16BATHA	7822	0.05	0.22	0.0	1.0
R2EATA	19635	0.01	0.11	0.0	1.0
R3EATA	17949	0.04	0.19	0.0	1.0
R4EATA	21345	0.04	0.19	0.0	1.0
R5EATA	19547	0.04	0.19	0.0	1.0
R6EATA	18144	0.04	0.20	0.0	1.0
R7EATA	20098	0.04	0.19	0.0	1.0
R8EATA	18445	0.04	0.20	0.0	1.0
R9EATA	17197	0.04	0.20	0.0	1.0
R10EATA	21880	0.04	0.20	0.0	1.0
R11EATA	20519	0.04	0.21	0.0	1.0
R12EATA	18712	0.05	0.21	0.0	1.0
R13EATA	20861	0.04	0.20	0.0	1.0
R14EATA	17112	0.04	0.20	0.0	1.0
R15EATA	15628	0.04	0.19	0.0	1.0
R16EATA	15701	0.04	0.19	0.0	1.0
S2EATA	13084	0.01	0.08	0.0	1.0
S3EATA	11904	0.03	0.16	0.0	1.0
S4EATA	13968	0.03	0.16	0.0	1.0
S5EATA	12722	0.02	0.15	0.0	1.0
S6EATA	11631	0.02	0.15	0.0	1.0
S7EATA	12968	0.02	0.15	0.0	1.0
S8EATA	11730	0.03	0.16	0.0	1.0
S9EATA	10640	0.02	0.15	0.0	1.0
S10EATA	13426	0.03	0.16	0.0	1.0
S11EATA	12475	0.03	0.17	0.0	1.0
S12EATA	11004	0.03	0.17	0.0	1.0
S13EATA	11764	0.03	0.16	0.0	1.0
S14EATA	9350	0.03	0.17	0.0	1.0
S15EATA	8457	0.03	0.16	0.0	1.0

S16EATA	7819	0.03	0.16	0.0	1.0
R2BEDA	19621	0.05	0.22	0.0	1.0
R3BEDA	17945	0.08	0.26	0.0	1.0
R4BEDA	21344	0.07	0.26	0.0	1.0
R5BEDA	19546	0.07	0.26	0.0	1.0
R6BEDA	18137	0.07	0.26	0.0	1.0
R7BEDA	20104	0.07	0.25	0.0	1.0
R8BEDA	18445	0.07	0.26	0.0	1.0
R9BEDA	17193	0.07	0.26	0.0	1.0
R10BEDA	21882	0.08	0.27	0.0	1.0
R11BEDA	20510	0.08	0.27	0.0	1.0
R12BEDA	18706	0.08	0.27	0.0	1.0
R13BEDA	20850	0.08	0.27	0.0	1.0
R14BEDA	17107	0.08	0.27	0.0	1.0
R15BEDA	15630	0.08	0.27	0.0	1.0
R16BEDA	15693	0.08	0.28	0.0	1.0
S2BEDA	13074	0.04	0.19	0.0	1.0
S3BEDA	11902	0.05	0.23	0.0	1.0
S4BEDA	13968	0.05	0.22	0.0	1.0
S5BEDA	12723	0.05	0.22	0.0	1.0
S6BEDA	11631	0.05	0.22	0.0	1.0
S7BEDA	12964	0.05	0.21	0.0	1.0
S8BEDA	11725	0.06	0.23	0.0	1.0
S9BEDA	10639	0.05	0.22	0.0	1.0
S10BEDA	13428	0.06	0.24	0.0	1.0
S11BEDA	12471	0.06	0.24	0.0	1.0
S12BEDA	10999	0.06	0.24	0.0	1.0
S13BEDA	11766	0.06	0.23	0.0	1.0
S14BEDA	9348	0.06	0.24	0.0	1.0
S15BEDA	8462	0.06	0.23	0.0	1.0
S16BEDA	7817	0.06	0.24	0.0	1.0
R2TOILTA	8218	0.04	0.19	0.0	1.0
R3TOILTA	17944	0.06	0.24	0.0	1.0
R4TOILTA	21334	0.06	0.24	0.0	1.0
R5TOILTA	19532	0.06	0.24	0.0	1.0
R6TOILTA	18128	0.06	0.25	0.0	1.0
R7TOILTA	20083	0.06	0.24	0.0	1.0
R8TOILTA	18428	0.07	0.26	0.0	1.0
R9TOILTA	17176	0.07	0.25	0.0	1.0
R10TOILTA	21865	0.07	0.25	0.0	1.0
R11TOILTA	20509	0.07	0.26	0.0	1.0
R12TOILTA	18694	0.07	0.26	0.0	1.0
R13TOILTA	20851	0.07	0.25	0.0	1.0
R14TOILTA	17098	0.07	0.25	0.0	1.0
R15TOILTA	15624	0.06	0.24	0.0	1.0
R16TOILTA	15693	0.06	0.24	0.0	1.0
S2TOILTA	4347	0.02	0.15	0.0	1.0
S3TOILTA	11902	0.04	0.19	0.0	1.0
S4TOILTA	13963	0.04	0.20	0.0	1.0
S5TOILTA	12719	0.04	0.21	0.0	1.0
S6TOILTA	11627	0.04	0.20	0.0	1.0
S7TOILTA	12958	0.04	0.19	0.0	1.0
S8TOILTA	11722	0.05	0.21	0.0	1.0
S9TOILTA	10638	0.04	0.20	0.0	1.0
S10TOILTA	13420	0.05	0.21	0.0	1.0

S11TOILTA	12467	0.05	0.21	0.0	1.0
S12TOILTA	11000	0.05	0.22	0.0	1.0
S13TOILTA	11765	0.04	0.21	0.0	1.0
S14TOILTA	9347	0.05	0.21	0.0	1.0
S15TOILTA	8457	0.04	0.20	0.0	1.0
S16TOILTA	7819	0.05	0.21	0.0	1.0

Categorical Variable Codes

RwWALKRA: R Any Diff-Walk across room

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		353	2	1	3		1	1	1	3
.J=Web interview, missing										
.M=Oth missing		1	36	28	23	7	10	7	9	132
.R=RF		1	2		3		1	2	1	1
.X=Don't do		21	13	14	18	15	14	14	13	9
0.No		17954	16607	19789	18021	16630	18562	16922	15719	20112
1.Yes		1312	1331	1552	1510	1513	1541	1523	1474	1777

Value	w11	w12	w13	w14	w15	w16
.D=DK	6	9	6	2	7	10
.J=Web interview, missing					5	11
.M=Oth missing	18	17	36	26	75	60
.R=RF	2	1	1			
.X=Don't do	3	7	7	2	7	2
0.No	18845	17092	19174	15681	14490	14405
1.Yes	1680	1621	1688	1435	1139	1299

SwWALKRA: S Any Diff-Walk across room

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		268		1	1		1			1
.J=Web interview, missing										
.M=Oth missing		1	11	7	5	3	1	1	2	80
.R=RF		1	1		2		1			
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR		584	417	536	311	220	380	317	365	724
.X=Don't do		12	10	5	2	4	3	2	5	4
0.No		12216	11311	13329	12070	11000	12326	11100	10090	12715
1.Yes		592	584	638	650	632	640	632	549	713

Value	w11	w12	w13	w14	w15	w16
.D=DK	4	3	3		2	1
.J=Web interview, missing					5	
.M=Oth missing	4	4	7	6	10	16
.R=RF						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	1		2			
0.No	11784	10380	11131	8809	8035	7396
1.Yes	691	625	636	543	425	427

RwDRESSA: R Any Diff-Dressing

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	2	2		3	4	3	5			2
.J=Web interview, missing										
.M=Oth missing	1	37	28	23	7	10	7	9		132
.R=RF		1		1		1	2			1
.X=Don't do	11	1	4	1	2	1	2	4		3
0.No	18574	16068	19160	17458	16216	18104	16398	15269		19327
1.Yes	1054	1882	2192	2092	1936	2010	2055	1935		2569

Value	w11	w12	w13	w14	w15	w16
.D=DK	9	7	7	4	6	14
.J=Web interview, missing				3	3	10
.M=Oth missing	18	17	36	26	75	60
.R=RF	2	2	1		1	2
.X=Don't do	2		1	1	2	4
0.No	18212	16410	18448	15228	13929	13902
1.Yes	2311	2311	2419	1884	1707	1795

SwDRESSA: S Any Diff-Dressing

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK					1	1		1		
.J=Web interview, missing										
.M=Oth missing	1	11	7	5	3	1	1	2		80
.R=RF		1		1		1				
.U=Unmarried	5968	5657	6868	6537	6306	6777	6417	6206		7797
.V=Sp NR	584	417	536	311	220	380	317	365		724
.X=Don't do	8	1	3	1			1	1		
0.No	12604	10950	12856	11662	10705	11991	10719	9762		12208
1.Yes	477	954	1114	1060	930	979	1013	881		1225

Value	w11	w12	w13	w14	w15	w16
.D=DK	4	3	1	3	3	3
.J=Web interview, missing					2	
.M=Oth missing	4	4	7	7	10	16
.R=RF						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do						
0.No	11416	9954	10718	8545	7735	7136
1.Yes	1060	1051	1053	803	727	685

RwBATHA: R Any Diff-Bathing, shower

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	6	3	3	4	1	4	2	1	4	
.J=Web interview, missing										
.M=Oth missing	1	37	28	23	7	10	7	9	132	
.R=RF		1				2	2		1	
.X=Don't do	8	6	3	6	6	6	7	5	3	
0.No	18642	16562	19595	17935	16608	18514	16929	15711	20027	
1.Yes	985	1382	1755	1610	1543	1593	1522	1491	1867	

Value	w11	w12	w13	w14	w15	w16
.D=DK	7	6	4	4	7	11
.J=Web interview, missing						10
.M=Oth missing	18	17	36	26	75	61
.R=RF	2			1		1
.X=Don't do	3	2	1	2	3	2
0.No	18736	16997	19134	15737	14435	14459
1.Yes	1788	1725	1737	1376	1203	1243

SwBATHA: S Any Diff-Bathing, shower

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	3		1	1			1		1	
.M=Oth missing	1	11	7	5	3	1	1	2	80	
.R=RF		1				2				
.U=Unmarried	5968	5657	6868	6537	6306	6777	6417	6206	7797	
.V=Sp NR	584	417	536	311	220	380	317	365	724	
.X=Don't do	3	1		1	1	1	1	2	2	
0.No	12652	11337	13244	12087	11048	12352	11141	10107	12715	
1.Yes	431	567	728	636	587	616	591	535	715	

Value	w11	w12	w13	w14	w15	w16
.D=DK	2	3	2	2		2
.M=Oth missing	4	4	7	6	10	16
.R=RF	1					
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	1			1		
0.No	11799	10372	11158	8866	8041	7426
1.Yes	677	633	612	483	426	396

RwEATA: R Any Diff-Eating

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	1	2	2	1	3	8	2	2	5	
.J=Web interview, missing										
.M=Oth missing	1	36	28	23	7	10	7	9	132	
.R=RF	1	1					3		1	
.X=Don't do	4	3	9	7	11	13	12	9	16	
0.No	19410	17260	20529	18804	17405	19340	17662	16483	20940	
1.Yes	225	689	816	743	739	758	783	714	940	

Value	w11	w12	w13	w14	w15	w16
.D=DK	1	6	2		4	5
.J=Web interview, missing					4	10
.M=Oth missing	18	17	36	26	75	61
.R=RF	1	2	2	1		1
.X=Don't do	15	10	11	7	12	9
0.No	19617	17841	20021	16434	15040	15096
1.Yes	902	871	840	678	588	605

SwEATA: S Any Diff-Eating

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	1		2		2			1	2	
.J=Web interview, missing										
.M=Oth missing	1	11	7	5	3	1	1	2	80	
.R=RF	1	1					1			
.U=Unmarried	5968	5657	6868	6537	6306	6777	6417	6206	7797	
.V=Sp NR	584	417	536	311	220	380	317	365	724	
.X=Don't do	3	1	3	3	3	3	3	3	5	
0.No	12991	11598	13610	12413	11346	12670	11414	10388	13056	
1.Yes	93	306	358	309	285	298	316	252	370	

Value	w11	w12	w13	w14	w15	w16
.D=DK	1	2	2		2	1
.J=Web interview, missing					3	
.M=Oth missing	4	4	7	6	10	16
.R=RF		1				
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	4	1	6	2	5	4
0.No	12100	10666	11450	9086	8245	7618
1.Yes	375	338	314	264	212	201

RwBEDA: R Any Diff-Get in/out bed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	7	3	4	4	2	2	3	2	6	
.J=Web interview, missing										
.M=Oth missing	1	36	28	23	7	10	7	9	132	
.R=RF	2	1					3		1	
.X=Don't do	11	6	8	5	19	13	11	13	13	
0.No	18622	16599	19783	18150	16840	18773	17080	15949	20148	
1.Yes	999	1346	1561	1396	1297	1331	1365	1244	1734	

Value	w11	w12	w13	w14	w15	w16
.D=DK	9	11	10	3	9	12
.J=Web interview, missing					2	10
.M=Oth missing	18	17	36	26	75	61
.R=RF	2	1	2			1
.X=Don't do	15	12	14	10	7	10
0.No	18871	17168	19171	15712	14409	14380
1.Yes	1639	1538	1679	1395	1221	1313

SwBEDA: S Any Diff-Get in/out bed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	4		2	1	1		1		1	
.M=Oth missing	1	11	7	5	3	1	1	2	80	
.R=RF	2	1					1			
.U=Unmarried	5968	5657	6868	6537	6306	6777	6417	6206	7797	
.V=Sp NR	584	417	536	311	220	380	317	365	724	
.X=Don't do	9	3	3	1	4	7	7	5	4	
0.No	12559	11260	13222	12057	11053	12366	11072	10122	12640	
1.Yes	515	642	746	666	578	598	653	517	788	

Value	w11	w12	w13	w14	w15	w16
.D=DK	4	5	3	1	5	3
.M=Oth missing	4	4	7	6	10	16
.R=RF	1					
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	4	4	3	3		4
0.No	11724	10335	11088	8771	7987	7353
1.Yes	747	664	678	577	475	464

RwTOILTA: R Any Diff-Using the toilet

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		2	2	6	7	5	4	2	3	13
.J=Web interview, missing										
.M=Oth missing		1	36	28	23	7	10	7	9	132
.Q=Not asked this wave	11420									
.R=RF		1	1	1		1	1	4		2
.X=Don't do			8	15	16	24	31	28	29	22
0.No	7925	16886	20015	18300	16962	18890	17115	16005	20350	
1.Yes	293	1058	1319	1232	1166	1193	1313	1171	1515	

Value	w11	w12	w13	w14	w15	w16
.D=DK	3	12	7	7	12	11
.J=Web interview, missing						10
.M=Oth missing	18	17	36	28	75	61
.Q=Not asked this wave						
.R=RF	2	1	1	1		1
.X=Don't do	22	23	17	12	12	11
0.No	19070	17323	19474	15982	14646	14691
1.Yes	1439	1371	1377	1116	978	1002

SwTOILTA: S Any Diff-Using the toilet

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		1		2		3	1	1		4
.M=Oth missing		1	11	7	5	3	1	1	2	80
.Q=Not asked this wave	9125									
.R=RF			1	1		1	1	2		1
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR		200	417	536	311	220	380	317	365	724
.X=Don't do			3	7	6	5	11	9	6	8
0.No		4243	11444	13360	12154	11150	12462	11167	10174	12816
1.Yes		104	458	603	565	477	496	555	464	604

Value	w11	w12	w13	w14	w15	w16
.D=DK	1	2	2		6	2
.M=Oth missing	4	4	7	6	10	16
.Q=Not asked this wave						
.R=RF						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	12	6	5	5	4	3
0.No	11890	10454	11236	8925	8103	7467
1.Yes	577	546	529	422	354	352

How Constructed

These variables recode raw data about difficulty with activities of daily living (ADLs) as yes/no dummy variables, where "1" means any difficulty and "0" means "no difficulty." The ADLs include walking across a room (RwWALKRA), dressing (RwDRESSA), bathing (RwBATHA), eating (RwEATA), getting in and out of bed (RwBEDA), and using the toilet (RwTOILTA). In the following, references to Rw[adl]A apply to all these variables. Note that questions about using the toilet were not asked in Wave 2H. For HRS Respondents in Wave 2H, R2TOILTA is set to .Q (question not asked).

We attempt to make consistent variables across waves. Because of significant differences in question wording in Wave 1, we do not include these variables for this interview year. There are other cross wave differences in the way HRS presented these questions in Waves 2H and 2A and the later waves that may introduce measurement errors in these variables. In addition, the criteria used for skipping some questions changed between Wave 3 and later waves, which may also influence the consistency of measurement before Wave 4 for all ADLs except dressing.

The variable derivations for any difficulty with ADLs (Rw[adl]A) vary across waves because the question and responses can vary across waves. In Wave 2, if a Respondent answers "yes" to the first question ("Do you have any difficulty with ...") Rw[adl]A is set to "1" for "any difficulty," regardless of how much difficulty the Respondent says they have in the follow-up question. From Wave 3 forward, if a Respondent answers "yes" or "can't do" to the "any difficulty" question, Rw[adl]A is set to "1" for "any difficulty."

In all waves, if the Respondent answers "no" to the any difficulty question, Rw[adl]A is set to "0." A "don't do" response is recoded to missing value .X, since the Respondent hasn't revealed whether they would have difficulty with the activity if they ever did it. If the response is "don't know" or "refuse," Rw[adl]A is set to special missing codes .D or .R, respectively.

In some waves, questions about activities are skipped based on answers to previous questions. In Wave 2H, if a Respondent said no difficulty jogging a mile, walking several blocks, or walking one block, the question about walking across a room is skipped. In these cases, R2WALKRA is set to "0" for "no difficulty." This does not apply to Wave 2A.

From Wave 3 forward, ADL questions are skipped if no difficulty was reported with any of the tasks asked about earlier. In these cases, Rw[adl]A is set to "0" for "no difficulty." From Wave 4 forward, if difficulty with only one prior task and no difficulty with dressing was reported, the questions about the rest of the ADLs are skipped. In these cases, the rest of the Rw[adl]A variables are also set to "no difficulty." The assumption is that, since the Respondent had no difficulty with the earlier activities, they would also have reported no difficulty to the activities in the skipped questions.

In Wave 2A and from Wave 3 forward, there are questions about getting help with all ADLs. For waves when the help question is asked, we set Rw[adl]A to "1" for "yes" if Respondents answer "yes" to getting help and are missing Rw[adl]A, i.e., the response to the any difficulty question is "don't do," "don't know," or "refuse." All "can't do" responses are coded as "yes" regardless of whether or not they report receiving help.

The spouse variables are taken from the spouse's self-reported Wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

Some of these variables are used to construct a number of functional limitation indices, including an ADL summary index. Please see "ADL Summary" and "Other Summary Indices."

Another version of these variables simply recode the raw HRS variables. Please see the description of the Rw[adl] variables under "Activities of Daily Living (ADLs): Raw recodes" for this version.

A third version of ADL variables are derived for Wave 1 only (R1[adl]W). They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper. These are provided for comparison to the results found in that paper. Please see "ADLs: Recodes for comparison to Wallace and Herzog" for a description of the R1[adl]W variables. Note that the Wallace and Herzog variables result in more limitation than the 0/1 recodes described here for other waves (Rw[adl]A) solely due to measurement differences in the raw data. The R1[adl]W variables are not appropriate for comparison to the Rw[adl]A variables in other waves.

Cross Wave Differences in Original HRS Data

Each wave has a series of questions about limits on activities of daily living (ADLs), but the ADLs, the question wording, and possible answers vary.

In all waves questions ask about a number of activities, such as climbing stairs or picking up a dime. In Wave 1 these include those identified as ADLs. The Wave 1 questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. ... Exclude any difficulties that you expect to last less than three months. How difficult is it for you to [...]? Is it not at all difficult, a little difficult, somewhat difficult, very difficult, or something that you can't do at all?"

The Respondent can also answer "don't do." The answers translate into 4 codes from "1" for "not at all difficult" to "4" for "very difficult/can't do." Another code is used for the "don't do" response. The specific wording for the ADLs is: walk across a room, get in and out of bed without help, bathe or shower without help, eat without help, and dress without help.

In Wave 2H the ADL questions continue to be embedded among other activities as in Wave 1 but the question and answers differ. The questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. Please tell me how difficult each of the following activities is for you. Exclude any difficulties that you expect to last less than three months. Do you have any difficulty with ...? [IF YES] Is that a little difficulty or a lot of difficulty?"

In the data the answers to the two-part question are recoded into 5-categories: 1=yes, a little difficult; 2=yes, a lot; 3=yes, DK; 4=yes, RF; 5=No; 6=doesn't do. Note that there is no "Can't do" category and that "don't do" is not an option in the instrument. The "Doesn't do" category is likely the result of post-interview interpretation of interview comments, so may be observed less frequently than in other waves, simply because of questionnaire differences. This does not appear to have a large impact among the ADLs. The specific wording for the ADLs is: walking across the room, getting in and out of bed without help, bathing or showering without help, eating without help, and dressing without help.

In Waves 1 and 2H, if the Respondent reported no difficulty with jogging a mile, walking several blocks, or walking one block, then the question about walking across the room is skipped.

In Wave 2A, the question asks:

"We need to understand difficulties people may have with various activities because of a health or physical problem. Please tell me whether you get help or have any difficulty doing each of the everyday activities. If you never do that activity, just tell me so. Does anyone ever help you ...? Yes, No or Don't do. [IF YES] Do you get help most of the time, some of the time, only occasionally?"

The exact wording for the ADLs in the help question is: get across a room; get in and out of bed; bathe or shower; dress, including putting on socks and shoes; eat, such as cutting up your food; and use the toilet, including getting up and down.

Regardless of whether any difficulty is reported for walking across the room: "Do you ever use equipment or devices such as a cane, walker or wheelchair when crossing a room?"

Regardless of whether any difficulty is reported for getting in and out of bed: "Do you ever use equipment or devices such as a rail, cane, walker, wheelchair or lift to help you get in and out of bed?"

For walking across a room and getting in and out of bed: "(Even when someone helps you/Even when using the (EQUIPMENT)/Without any help or special equipment) do you have any difficulty [...]? Yes or No. [if YES] Is that a lot or a little difficulty? The exact wording for the task is: walking across the room and getting in and out of bed."

For other ADLS: "Do you have any difficulty [...](even when someone helps you/without any help)? Yes or No. [if YES] Is that a lot or a little difficulty? The exact wording for these tasks is: bathing, eating, dressing, and using the toilet."

Note that in Wave 2A, the question about getting help was asked before any difficulty and using equipment. So if the Respondent answered "don't do" on the getting help question, then the questions on any difficulty and equipment are skipped. Note that there is no "Can't do" category.

From Wave 3 forward, the questions about ADLs are removed from the initial list of activities. If the Respondent has no difficulty with any of these activities then the questions about ADLs are skipped. Questions ask about ADLs ONLY if the Respondent reported

difficulty with some activity on the initial list. The questions on ADLs ask:

"Here are a few more everyday activities. Please tell me if you have any difficulty with these because of a physical, mental, emotional or memory problem. Again exclude any difficulties you expect to last less than three months. Because of a health or memory problem do you have any difficulty with ...?"

The answers to the difficulty questions are simply "yes," "no," "can't do," or "don't do. The exact wording for the ADLs is: walking across a room; dressing, including putting on socks and shoes; bathing or showering; eating, such as cutting up your food; getting in and out of bed; and using the toilet, including getting up and down.

Regardless of whether any difficulty is reported for walking across the room: "Do you ever use equipment or devices such as a cane, walker or wheelchair when crossing a room? Yes or No."

Regardless of whether any difficulty is reported for getting in and out of bed: "Do you ever use equipment or devices such as a cane, walker or railing when getting in or out of bed? Yes or No."

Unless the Respondent reports having no difficulty with an ADL then they are asked:

"Does anyone ever help you [...]? Yes or No." The exact wording for each of the ADLs is: get across a room, dress, bathe, eat, get in or out of bed, and use the toilet.

From Wave 4 forward, the question organization and wording are the same as in Wave 3, with one exception. If the first basic ADL, dressing, showed no difficulty, and among the prior tasks at most one difficulty was reported, the rest of the basic ADLs of walking across a room, bathing, eating, getting in/out of bed, and using the toilet were skipped.

In Wave 7, a mistake in the Spanish instrument allowed "can't do" and "don't do" responses for the help questions, and a few of these responses are given for all of the ADLs except help with dressing and eating.

In Wave 15, some respondents were incorrectly not asked the ADL difficulty and help questions. The HRS produced imputations for the ADL difficulty variables for 1,308 Respondents and that data is incorporated into this file. The variable RADLIMP variable on the raw file indicates which records received imputed data. Note that the help questions were not imputed and are set to .M if missing.

In Waves 1 and 2H, questions about using the toilet are not asked, so for Wave 2H, R2TOILTA is set to .Q.

HRS Variables Used

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AHEAD 1993:
    B768            E33. ADL WALK HELP EVER
    B770            E33b. WALK USE EQUIPMENT
    B773            E33e. WALK ANY DIFFICULTY
    B779            E35. ADL DRESS HELP EVER
    B781            E35b. DRESS ANY DIFFICULTY
    B787            E37. ADL BATHE HELP EVER
    B789            E37b. BATHE ANY DIFFICULTY
    B795            E39. ADL EAT GET HELP EVER
    B797            E39b. EAT DIFFICULTY
    B803            E41. ADL IN/OUT BED HELP EVER
    B808            E43. BED USE EQUIPMENT EVER
    B811            E43c. BED ANY DIFFICULTY
    B814            E44. ADL TOILET HELP EVER
    B816            E44b. TOILET ANY DIFFICULTY
HRS 1994:
    W306            B4.RUNNING/JOGGING 1 MIL
    W307            B4a.WALKING SEVERAL BLOC
    W308            B4b.WALKING ONE BLOCK
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    W309            B4c.WALKING ACROSS A ROO
    W312            B4f.GETTING IN/OUT OF BE
    W318            B4n.BATHING/SHOWERING WI
    W321            B4r.EATING WITHOUT HELP
    W322            B4s.DRESSING WITHOUT HEL
AHEAD 1995:
    D1870           ADLCK.CKPT FOR SKIPPING ADL SERIES
    D1871           E72.WALK DIFF
    D1874           E72C.WALK EQUIPMENT
    D1877           E72F.ADL WALK HELP
    D1884           E73.DRESS DIFF
    D1887           E73F.ADL DRESS HELP
    D1894           E74.BATHING DIFF
    D1897           E74F.ADL BATHE HELP
    D1904           E75.EAT DIFF
    D1907           E75F.ADL EAT HELP
    D1914           E76.BED DIFF
    D1917           E76C.BED EQUIPMENT
    D1920           E76F.ADL BED HELP
    D1927           E77.TOILET DIFF
    D1930           E77F.ADL TOILET HELP
HRS 1996:
    E1894           ADLCK.CKPT FOR SKIPPING ADL SERIES
    E1895           E72.WALK DIFF
    E1898           E72C.WALK EQUIPMENT
    E1901           E72F.ADL WALK HELP
    E1908           E73.DRESS DIFF
    E1911           E73F.ADL DRESS HELP
    E1918           E74.BATHING DIFF
    E1921           E74F.ADL BATHE HELP
    E1928           E75.EAT DIFF
    E1931           E75F.ADL EAT HELP
    E1938           E76.BED DIFF
    E1941           E76C.BED EQUIPMENT
    E1944           E76F.ADL BED HELP
    E1951           E77.TOILET DIFF
    E1954           E77F.ADL TOILET HELP
HRS 1998:
    F2421           E71.PICK DIME
    F2425           E73F.DRESS DIFF
    F2426           E73F.ADL DRESS HELP
    F2427           E72.WALK DIFF
    F2428           E72C.WALK EQUIPMENT
    F2431           E72.ADL WALK HELP
    F2444           E74.BATHING DIFF
    F2447           E74F.ADL BATHE HELP
    F2454           E75.EAT DIFF
    F2457           E75F.ADL EAT HELP
    F2464           E76.BED DIFF
    F2467           E76C.BED EQUIPMENT
    F2470           E76F.ADL BED HELP
    F2477           E77.TOILET DIFF
    F2480           E77F.ADL TOILET HELP
HRS 2000:
    G2719           E71.PICK DIME
    G2723           E73Y1.DRESS DIFF
    G2724           E73F.ADL DRESS HELP
    G2725           E72.WALK DIFF
    G2726           E72C.WALK EQUIPMENT
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    G2729           E72Y1.ADL WALK HELP
    G2742           E74.BATHING DIFF
    G2745           E74F.ADL BATHE HELP
    G2752           E75.EAT DIFF
    G2755           E75F.ADL EAT HELP
    G2762           E76.BED DIFF
    G2765           E76C.BED EQUIPMENT
    G2768           E76F.ADL BED HELP
    G2775           E77.TOILET DIFF
    G2778           E77F.ADL TOILET HELP
HRS 2002-2022:
    xG012           DIFFICULTY- PICKING UP DIME
    xG014           DIFFICULTY- DRESSING
    xG015           HELP W/DRESS
    xG016           DIFFICULTY WALKING
    xG017           WALK EQUIPMENT
    xG020           ADL WALK HELP
    xG021           DIFFICULTY BATHING
    xG022           ADL BATHE HELP
    xG023           DIFFICULTY EATING
    xG024           ADL EAT HELP
    xG025           DIFFICULTY GET IN/OUT BED
    xG026           BED EQUIPMENT
    xG029           ADL BED HELP
    xG030           DIFFICULTY USING TOILET
    xG031           ADL TOILET HELP
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Activities of daily living (ADLs): Recodes for comparison to Wallace and Herzog

Wave	Variable	Label	Type
1	R1WALKRW	R1WALKRW:W1 R Any Diff-Walk across room	Categ
1	S1WALKRW	S1WALKRW:W1 S Any Diff-Walk across room	Categ
1	R1DRESSW	R1DRESSW:W1 R Any Diff-Dressing	Categ
1	S1DRESSW	S1DRESSW:W1 S Any Diff-Dressing	Categ
1	R1BATHW	R1BATHW:W1 R Any Diff-Bathing, shower	Categ
1	S1BATHW	S1BATHW:W1 S Any Diff-Bathing, shower	Categ
1	R1EATW	R1EATW:W1 R Any Diff-Eating	Categ
1	S1EATW	S1EATW:W1 S Any Diff-Eating	Categ
1	R1BEDW	R1BEDW:W1 R Any Diff-Get in/out of bed	Categ
1	S1BEDW	S1BEDW:W1 S Any Diff-Get in/out of bed	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WALKRW	12636	0.04	0.20	0.0	1.0
S1WALKRW	9886	0.04	0.19	0.0	1.0
R1DRESSW	12645	0.03	0.17	0.0	1.0
S1DRESSW	9895	0.02	0.15	0.0	1.0
R1BATHW	12639	0.04	0.21	0.0	1.0
S1BATHW	9892	0.03	0.18	0.0	1.0
R1EATW	12647	0.01	0.10	0.0	1.0
S1EATW	9896	0.01	0.09	0.0	1.0
R1BEDW	12642	0.08	0.27	0.0	1.0
S1BEDW	9893	0.07	0.25	0.0	1.0

Categorical Variable Codes

R1WALKRW: R Any Diff-Walk across room

Value	w1
.X=Don't do	16
0.No	12102
1.Yes	534

S1WALKRW: S Any Diff-Walk across room

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
.X=Don't do	14
0.No	9533
1.Yes	353

R1DRESSW: R Any Diff-Dressing

Value	w1
.X=Don't do	7
0.No	12278
1.Yes	367

S1DRESSW: S Any Diff-Dressing

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
.X=Don't do	5
0.No	9655
1.Yes	240

R1BATHW: R Any Diff-Bathing, shower

Value	w1
.X=Don't do	13
0.No	12081
1.Yes	558

S1BATHW: S Any Diff-Bathing, shower

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
.X=Don't do	8
0.No	9555
1.Yes	337

R1EATW: R Any Diff-Eating

Value	w1
.X=Don't do	5
0.No	12529
1.Yes	118

S1EATW: S Any Diff-Eating

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
.X=Don't do	4
0.No	9819
1.Yes	77

R1BEDW: R Any Diff-Get in/out of bed

Value	w1
.X=Don't do	10
0.No	11672
1.Yes	970

S1BEDW: S Any Diff-Get in/out of bed

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
.X=Don't do	7
0.No	9235
1.Yes	658

How Constructed

These ADL variables are derived for Wave 1 only. They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper (Wallace and Herzog, 1995). These variables are provided for comparison to the results found in that paper.

Wallace and Herzog recode the ADL variables to 1 for "any difficulty" if the Respondent answered "a little difficult," "somewhat difficult" or "very difficult/can't do." A response of "not difficult at all" is recoded to zero. This recoding scheme is applied for these variables to attempt to replicate the results reported in their paper.

If a Respondent said no difficulty jogging a mile, walking several blocks, or walking one block, the RwWALKRW variable is set to "0" for "no difficulty."

The spouse variables are taken from the spouse's self-reported Wave 1 data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

There are several other versions of these variables. One version simply recodes the raw HRS variables. Please see the descriptions of these (RwWALKR, RwDRESS, RwEAT, RwBED, RwBATH) under "Activities of Daily Living (ADLs): Raw recodes."

Another version recodes a yes/no dummy variable in waves other than Wave 1, but these are not comparable with the Wallace and Herzog recodes. Please see the descriptions of these (RwWALKRA, RwDRESSA, RwEATA, RwBEDA, RwBATHA) under "Activities of Daily Living (ADLs): Any difficulty."

Some of the Wallace and Herzog indices are also derived and include some of these measures in creating an index. Please see "ADL Summary" and "Other Summary Indices."

Cross Wave Differences in Original HRS Data

Each wave has a series of questions about limits on activities of daily living (ADLs), but the ADLs, the question wording, and possible answers vary.

In all waves questions ask about a number of activities, such as climbing stairs or picking up a dime. In Wave 1 these include

those identified as ADLs. The Wave 1 questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. ... Exclude any difficulties that you expect to last less than three months. How difficult is it for you to [...]? Is it not at all difficult, a little difficult, somewhat difficult, very difficult, or something that you can't do at all?"

The Respondent can also answer "Don't do." The answers translate into 4 codes from 1 for "not at all difficult" to 4 for "very difficult/can't do." Another code is used for the "Don't do" response.

In subsequent waves, there is a question that simply asks if the Respondent has any difficulty with a particular activity. The question wording and possible answers are sufficiently different that the levels of Wave 1 codes cannot be derived from the data.

HRS Variables Used

```
HRS 1992:
    V307            B4D:WALK ACROSS A RO:IMP
    V310            B4G:IN/OUT BED UNAID:IMP
    V316            B4P:BATHE/SHOWR W/O :IMP
    V319            B4S:EAT W/O HELP    :IMP
    V320            B4T:DRESS W/O HELP  :IMP
```

Instrumental activities of daily living (IADLs): Raw recodes

Wave	Variable	Label	Type
1	R1MAP	R1MAP:W1 R Diff-Use a map	Categ
2	R2MAP	R2MAP:W2 R Diff-Use a map	Categ
3	R3MAP	R3MAP:W3 R Diff-Use a map	Categ
4	R4MAP	R4MAP:W4 R Diff-Use a map	Categ
5	R5MAP	R5MAP:W5 R Diff-Use a map	Categ
6	R6MAP	R6MAP:W6 R Diff-Use a map	Categ
7	R7MAP	R7MAP:W7 R Diff-Use a map	Categ
8	R8MAP	R8MAP:W8 R Diff-Use a map	Categ
9	R9MAP	R9MAP:W9 R Diff-Use a map	Categ
10	R10MAP	R10MAP:W10 R Diff-Use a map	Categ
11	R11MAP	R11MAP:W11 R Diff-Use a map	Categ
12	R12MAP	R12MAP:W12 R Diff-Use a map	Categ
13	R13MAP	R13MAP:W13 R Diff-Use a map	Categ
14	R14MAP	R14MAP:W14 R Diff-Use a map	Categ
15	R15MAP	R15MAP:W15 R Diff-Use a map	Categ
1	S1MAP	S1MAP:W1 S Diff-Use a map	Categ
2	S2MAP	S2MAP:W2 S Diff-Use a map	Categ
3	S3MAP	S3MAP:W3 S Diff-Use a map	Categ
4	S4MAP	S4MAP:W4 S Diff-Use a map	Categ
5	S5MAP	S5MAP:W5 S Diff-Use a map	Categ
6	S6MAP	S6MAP:W6 S Diff-Use a map	Categ
7	S7MAP	S7MAP:W7 S Diff-Use a map	Categ
8	S8MAP	S8MAP:W8 S Diff-Use a map	Categ
9	S9MAP	S9MAP:W9 S Diff-Use a map	Categ
10	S10MAP	S10MAP:W10 S Diff-Use a map	Categ
11	S11MAP	S11MAP:W11 S Diff-Use a map	Categ
12	S12MAP	S12MAP:W12 S Diff-Use a map	Categ
13	S13MAP	S13MAP:W13 S Diff-Use a map	Categ
14	S14MAP	S14MAP:W14 S Diff-Use a map	Categ
15	S15MAP	S15MAP:W15 S Diff-Use a map	Categ
1	R1CALC	R1CALC:W1 R Diff-Use a calculator	Categ
2	R2CALC	R2CALC:W2 R Diff-Use a calculator	Categ
1	S1CALC	S1CALC:W1 S Diff-Use a calculator	Categ
2	S2CALC	S2CALC:W2 S Diff-Use a calculator	Categ
1	R1MCWV	R1MCWV:W1 R Diff-Use a microwave	Categ
1	S1MCWV	S1MCWV:W1 S Diff-Use a microwave	Categ
1	R1COMP	R1COMP:W1 R Diff-Use a computer	Categ
1	S1COMP	S1COMP:W1 S Diff-Use a computer	Categ
2	R2PHONE	R2PHONE:W2 R Diff-Use telephone	Categ
3	R3PHONE	R3PHONE:W3 R Diff-Use telephone	Categ
4	R4PHONE	R4PHONE:W4 R Diff-Use telephone	Categ
5	R5PHONE	R5PHONE:W5 R Diff-Use telephone	Categ
6	R6PHONE	R6PHONE:W6 R Diff-Use telephone	Categ
7	R7PHONE	R7PHONE:W7 R Diff-Use telephone	Categ
8	R8PHONE	R8PHONE:W8 R Diff-Use telephone	Categ
9	R9PHONE	R9PHONE:W9 R Diff-Use telephone	Categ
10	R10PHONE	R10PHONE:W10 R Diff-Use telephone	Categ
11	R11PHONE	R11PHONE:W11 R Diff-Use telephone	Categ
12	R12PHONE	R12PHONE:W12 R Diff-Use telephone	Categ
13	R13PHONE	R13PHONE:W13 R Diff-Use telephone	Categ
14	R14PHONE	R14PHONE:W14 R Diff-Use telephone	Categ
15	R15PHONE	R15PHONE:W15 R Diff-Use telephone	Categ
16	R16PHONE	R16PHONE:W16 R Diff-Use telephone	Categ
2	S2PHONE	S2PHONE:W2 S Diff-Use telephone	Categ
3	S3PHONE	S3PHONE:W3 S Diff-Use telephone	Categ
4	S4PHONE	S4PHONE:W4 S Diff-Use telephone	Categ
5	S5PHONE	S5PHONE:W5 S Diff-Use telephone	Categ

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 6    S6PHONE             S6PHONE:W6 S Diff-Use telephone                                Categ
 7    S7PHONE             S7PHONE:W7 S Diff-Use telephone                                Categ
 8    S8PHONE             S8PHONE:W8 S Diff-Use telephone                                Categ
 9    S9PHONE             S9PHONE:W9 S Diff-Use telephone                                Categ
10    S10PHONE            S10PHONE:W10 S Diff-Use telephone                              Categ
11    S11PHONE            S11PHONE:W11 S Diff-Use telephone                              Categ
12    S12PHONE            S12PHONE:W12 S Diff-Use telephone                              Categ
13    S13PHONE            S13PHONE:W13 S Diff-Use telephone                              Categ
14    S14PHONE            S14PHONE:W14 S Diff-Use telephone                              Categ
15    S15PHONE            S15PHONE:W15 S Diff-Use telephone                              Categ
16    S16PHONE            S16PHONE:W16 S Diff-Use telephone                              Categ

 2    R2PHONER            R2PHONER:W2 R Diff-Use telephone                               Categ

 2    S2PHONER            S2PHONER:W2 S Diff-Use telephone                               Categ

 3    R3PHONEH            R3PHONEH:W3 R Gets Help-Use telephone                          Categ
 4    R4PHONEH            R4PHONEH:W4 R Gets Help-Use telephone                          Categ
 5    R5PHONEH            R5PHONEH:W5 R Gets Help-Use telephone                          Categ
 6    R6PHONEH            R6PHONEH:W6 R Gets Help-Use telephone                          Categ
 7    R7PHONEH            R7PHONEH:W7 R Gets Help-Use telephone                          Categ
 8    R8PHONEH            R8PHONEH:W8 R Gets Help-Use telephone                          Categ
 9    R9PHONEH            R9PHONEH:W9 R Gets Help-Use telephone                          Categ
10    R10PHONEH           R10PHONEH:W10 R Gets Help-Use telephone                        Categ
11    R11PHONEH           R11PHONEH:W11 R Gets Help-Use telephone                        Categ
12    R12PHONEH           R12PHONEH:W12 R Gets Help-Use telephone                        Categ
13    R13PHONEH           R13PHONEH:W13 R Gets Help-Use telephone                        Categ
14    R14PHONEH           R14PHONEH:W14 R Gets Help-Use telephone                        Categ
15    R15PHONEH           R15PHONEH:W15 R Gets Help-Use telephone                        Categ
16    R16PHONEH           R16PHONEH:W16 R Gets Help-Use telephone                        Categ

 3    S3PHONEH            S3PHONEH:W3 S Gets Help-Use telephone                          Categ
 4    S4PHONEH            S4PHONEH:W4 S Gets Help-Use telephone                          Categ
 5    S5PHONEH            S5PHONEH:W5 S Gets Help-Use telephone                          Categ
 6    S6PHONEH            S6PHONEH:W6 S Gets Help-Use telephone                          Categ
 7    S7PHONEH            S7PHONEH:W7 S Gets Help-Use telephone                          Categ
 8    S8PHONEH            S8PHONEH:W8 S Gets Help-Use telephone                          Categ
 9    S9PHONEH            S9PHONEH:W9 S Gets Help-Use telephone                          Categ
10    S10PHONEH           S10PHONEH:W10 S Gets Help-Use telephone                        Categ
11    S11PHONEH           S11PHONEH:W11 S Gets Help-Use telephone                        Categ
12    S12PHONEH           S12PHONEH:W12 S Gets Help-Use telephone                        Categ
13    S13PHONEH           S13PHONEH:W13 S Gets Help-Use telephone                        Categ
14    S14PHONEH           S14PHONEH:W14 S Gets Help-Use telephone                        Categ
15    S15PHONEH           S15PHONEH:W15 S Gets Help-Use telephone                        Categ
16    S16PHONEH           S16PHONEH:W16 S Gets Help-Use telephone                        Categ

 2    R2MONEY             R2MONEY:W2 R Diff-Managing money                               Categ
 3    R3MONEY             R3MONEY:W3 R Diff-Managing money                               Categ
 4    R4MONEY             R4MONEY:W4 R Diff-Managing money                               Categ
 5    R5MONEY             R5MONEY:W5 R Diff-Managing money                               Categ
 6    R6MONEY             R6MONEY:W6 R Diff-Managing money                               Categ
 7    R7MONEY             R7MONEY:W7 R Diff-Managing money                               Categ
 8    R8MONEY             R8MONEY:W8 R Diff-Managing money                               Categ
 9    R9MONEY             R9MONEY:W9 R Diff-Managing money                               Categ
10    R10MONEY            R10MONEY:W10 R Diff-Managing money                             Categ
11    R11MONEY            R11MONEY:W11 R Diff-Managing money                             Categ
12    R12MONEY            R12MONEY:W12 R Diff-Managing money                             Categ
13    R13MONEY            R13MONEY:W13 R Diff-Managing money                             Categ
14    R14MONEY            R14MONEY:W14 R Diff-Managing money                             Categ
15    R15MONEY            R15MONEY:W15 R Diff-Managing money                             Categ
16    R16MONEY            R16MONEY:W16 R Diff-Managing money                             Categ

 2    S2MONEY             S2MONEY:W2 S Diff-Managing money                               Categ
 3    S3MONEY             S3MONEY:W3 S Diff-Managing money                               Categ
 4    S4MONEY             S4MONEY:W4 S Diff-Managing money                               Categ
 5    S5MONEY             S5MONEY:W5 S Diff-Managing money                               Categ
 6    S6MONEY             S6MONEY:W6 S Diff-Managing money                               Categ
 7    S7MONEY             S7MONEY:W7 S Diff-Managing money                               Categ
 8    S8MONEY             S8MONEY:W8 S Diff-Managing money                               Categ
 9    S9MONEY             S9MONEY:W9 S Diff-Managing money                               Categ
10    S10MONEY            S10MONEY:W10 S Diff-Managing money                             Categ
11    S11MONEY            S11MONEY:W11 S Diff-Managing money                             Categ
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12    S12MONEY            S12MONEY:W12 S Diff-Managing money                          Categ
13    S13MONEY            S13MONEY:W13 S Diff-Managing money                          Categ
14    S14MONEY            S14MONEY:W14 S Diff-Managing money                          Categ
15    S15MONEY            S15MONEY:W15 S Diff-Managing money                          Categ
16    S16MONEY            S16MONEY:W16 S Diff-Managing money                          Categ

 2    R2MONEYR            R2MONEYR:W2 R Diff-Managing money                           Categ

 2    S2MONEYR            S2MONEYR:W2 S Diff-Managing money                           Categ

 3    R3MONEYH            R3MONEYH:W3 R Gets Help-Managing money                      Categ
 4    R4MONEYH            R4MONEYH:W4 R Gets Help-Managing money                      Categ
 5    R5MONEYH            R5MONEYH:W5 R Gets Help-Managing money                      Categ
 6    R6MONEYH            R6MONEYH:W6 R Gets Help-Managing money                      Categ
 7    R7MONEYH            R7MONEYH:W7 R Gets Help-Managing money                      Categ
 8    R8MONEYH            R8MONEYH:W8 R Gets Help-Managing money                      Categ
 9    R9MONEYH            R9MONEYH:W9 R Gets Help-Managing money                      Categ
10    R10MONEYH           R10MONEYH:W10 R Gets Help-Managing money                    Categ
11    R11MONEYH           R11MONEYH:W11 R Gets Help-Managing money                    Categ
12    R12MONEYH           R12MONEYH:W12 R Gets Help-Managing money                    Categ
13    R13MONEYH           R13MONEYH:W13 R Gets Help-Managing money                    Categ
14    R14MONEYH           R14MONEYH:W14 R Gets Help-Managing money                    Categ
15    R15MONEYH           R15MONEYH:W15 R Gets Help-Managing money                    Categ
16    R16MONEYH           R16MONEYH:W16 R Gets Help-Managing money                    Categ

 3    S3MONEYH            S3MONEYH:W3 S Gets Help-Managing money                      Categ
 4    S4MONEYH            S4MONEYH:W4 S Gets Help-Managing money                      Categ
 5    S5MONEYH            S5MONEYH:W5 S Gets Help-Managing money                      Categ
 6    S6MONEYH            S6MONEYH:W6 S Gets Help-Managing money                      Categ
 7    S7MONEYH            S7MONEYH:W7 S Gets Help-Managing money                      Categ
 8    S8MONEYH            S8MONEYH:W8 S Gets Help-Managing money                      Categ
 9    S9MONEYH            S9MONEYH:W9 S Gets Help-Managing money                      Categ
10    S10MONEYH           S10MONEYH:W10 S Gets Help-Managing money                    Categ
11    S11MONEYH           S11MONEYH:W11 S Gets Help-Managing money                    Categ
12    S12MONEYH           S12MONEYH:W12 S Gets Help-Managing money                    Categ
13    S13MONEYH           S13MONEYH:W13 S Gets Help-Managing money                    Categ
14    S14MONEYH           S14MONEYH:W14 S Gets Help-Managing money                    Categ
15    S15MONEYH           S15MONEYH:W15 S Gets Help-Managing money                    Categ
16    S16MONEYH           S16MONEYH:W16 S Gets Help-Managing money                    Categ

 2    R2MEDS              R2MEDS:W2 R Diff-Take medications                           Categ
 3    R3MEDS              R3MEDS:W3 R Diff-Take medications                           Categ
 4    R4MEDS              R4MEDS:W4 R Diff-Take medications                           Categ
 5    R5MEDS              R5MEDS:W5 R Diff-Take medications                           Categ
 6    R6MEDS              R6MEDS:W6 R Diff-Take medications                           Categ
 7    R7MEDS              R7MEDS:W7 R Diff-Take medications                           Categ
 8    R8MEDS              R8MEDS:W8 R Diff-Take medications                           Categ
 9    R9MEDS              R9MEDS:W9 R Diff-Take medications                           Categ
10    R10MEDS             R10MEDS:W10 R Diff-Take medications                         Categ
11    R11MEDS             R11MEDS:W11 R Diff-Take medications                         Categ
12    R12MEDS             R12MEDS:W12 R Diff-Take medications                         Categ
13    R13MEDS             R13MEDS:W13 R Diff-Take medications                         Categ
14    R14MEDS             R14MEDS:W14 R Diff-Take medications                         Categ
15    R15MEDS             R15MEDS:W15 R Diff-Take medications                         Categ
16    R16MEDS             R16MEDS:W16 R Diff-Take medications                         Categ

 2    S2MEDS              S2MEDS:W2 S Diff-Take medications                           Categ
 3    S3MEDS              S3MEDS:W3 S Diff-Take medications                           Categ
 4    S4MEDS              S4MEDS:W4 S Diff-Take medications                           Categ
 5    S5MEDS              S5MEDS:W5 S Diff-Take medications                           Categ
 6    S6MEDS              S6MEDS:W6 S Diff-Take medications                           Categ
 7    S7MEDS              S7MEDS:W7 S Diff-Take medications                           Categ
 8    S8MEDS              S8MEDS:W8 S Diff-Take medications                           Categ
 9    S9MEDS              S9MEDS:W9 S Diff-Take medications                           Categ
10    S10MEDS             S10MEDS:W10 S Diff-Take medications                         Categ
11    S11MEDS             S11MEDS:W11 S Diff-Take medications                         Categ
12    S12MEDS             S12MEDS:W12 S Diff-Take medications                         Categ
13    S13MEDS             S13MEDS:W13 S Diff-Take medications                         Categ
14    S14MEDS             S14MEDS:W14 S Diff-Take medications                         Categ
15    S15MEDS             S15MEDS:W15 S Diff-Take medications                         Categ
16    S16MEDS             S16MEDS:W16 S Diff-Take medications                         Categ
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2	R2MEDSR	R2MEDSR:W2 R Diff-Take medications	Categ
2	S2MEDSR	S2MEDSR:W2 S Diff-Take medications	Categ
3	R3MEDSH	R3MEDSH:W3 R Gets Help-Take medications	Categ
4	R4MEDSH	R4MEDSH:W4 R Gets Help-Take medications	Categ
5	R5MEDSH	R5MEDSH:W5 R Gets Help-Take medications	Categ
6	R6MEDSH	R6MEDSH:W6 R Gets Help-Take medications	Categ
7	R7MEDSH	R7MEDSH:W7 R Gets Help-Take medications	Categ
8	R8MEDSH	R8MEDSH:W8 R Gets Help-Take medications	Categ
9	R9MEDSH	R9MEDSH:W9 R Gets Help-Take medications	Categ
10	R10MEDSH	R10MEDSH:W10 R Gets Help-Take medications	Categ
11	R11MEDSH	R11MEDSH:W11 R Gets Help-Take medications	Categ
12	R12MEDSH	R12MEDSH:W12 R Gets Help-Take medications	Categ
13	R13MEDSH	R13MEDSH:W13 R Gets Help-Take medications	Categ
14	R14MEDSH	R14MEDSH:W14 R Gets Help-Take medications	Categ
15	R15MEDSH	R15MEDSH:W15 R Gets Help-Take medications	Categ
16	R16MEDSH	R16MEDSH:W16 R Gets Help-Take medications	Categ
3	S3MEDSH	S3MEDSH:W3 S Gets Help-Take medications	Categ
4	S4MEDSH	S4MEDSH:W4 S Gets Help-Take medications	Categ
5	S5MEDSH	S5MEDSH:W5 S Gets Help-Take medications	Categ
6	S6MEDSH	S6MEDSH:W6 S Gets Help-Take medications	Categ
7	S7MEDSH	S7MEDSH:W7 S Gets Help-Take medications	Categ
8	S8MEDSH	S8MEDSH:W8 S Gets Help-Take medications	Categ
9	S9MEDSH	S9MEDSH:W9 S Gets Help-Take medications	Categ
10	S10MEDSH	S10MEDSH:W10 S Gets Help-Take medications	Categ
11	S11MEDSH	S11MEDSH:W11 S Gets Help-Take medications	Categ
12	S12MEDSH	S12MEDSH:W12 S Gets Help-Take medications	Categ
13	S13MEDSH	S13MEDSH:W13 S Gets Help-Take medications	Categ
14	S14MEDSH	S14MEDSH:W14 S Gets Help-Take medications	Categ
15	S15MEDSH	S15MEDSH:W15 S Gets Help-Take medications	Categ
16	S16MEDSH	S16MEDSH:W16 S Gets Help-Take medications	Categ
3	R3SHOP	R3SHOP:W3 R Diff-Shop for groceries	Categ
4	R4SHOP	R4SHOP:W4 R Diff-Shop for groceries	Categ
5	R5SHOP	R5SHOP:W5 R Diff-Shop for groceries	Categ
6	R6SHOP	R6SHOP:W6 R Diff-Shop for groceries	Categ
7	R7SHOP	R7SHOP:W7 R Diff-Shop for groceries	Categ
8	R8SHOP	R8SHOP:W8 R Diff-Shop for groceries	Categ
9	R9SHOP	R9SHOP:W9 R Diff-Shop for groceries	Categ
10	R10SHOP	R10SHOP:W10 R Diff-Shop for groceries	Categ
11	R11SHOP	R11SHOP:W11 R Diff-Shop for groceries	Categ
12	R12SHOP	R12SHOP:W12 R Diff-Shop for groceries	Categ
13	R13SHOP	R13SHOP:W13 R Diff-Shop for groceries	Categ
14	R14SHOP	R14SHOP:W14 R Diff-Shop for groceries	Categ
15	R15SHOP	R15SHOP:W15 R Diff-Shop for groceries	Categ
16	R16SHOP	R16SHOP:W16 R Diff-Shop for groceries	Categ
3	S3SHOP	S3SHOP:W3 S Diff-Shop for groceries	Categ
4	S4SHOP	S4SHOP:W4 S Diff-Shop for groceries	Categ
5	S5SHOP	S5SHOP:W5 S Diff-Shop for groceries	Categ
6	S6SHOP	S6SHOP:W6 S Diff-Shop for groceries	Categ
7	S7SHOP	S7SHOP:W7 S Diff-Shop for groceries	Categ
8	S8SHOP	S8SHOP:W8 S Diff-Shop for groceries	Categ
9	S9SHOP	S9SHOP:W9 S Diff-Shop for groceries	Categ
10	S10SHOP	S10SHOP:W10 S Diff-Shop for groceries	Categ
11	S11SHOP	S11SHOP:W11 S Diff-Shop for groceries	Categ
12	S12SHOP	S12SHOP:W12 S Diff-Shop for groceries	Categ
13	S13SHOP	S13SHOP:W13 S Diff-Shop for groceries	Categ
14	S14SHOP	S14SHOP:W14 S Diff-Shop for groceries	Categ
15	S15SHOP	S15SHOP:W15 S Diff-Shop for groceries	Categ
16	S16SHOP	S16SHOP:W16 S Diff-Shop for groceries	Categ
2	R2SHOPR	R2SHOPR:W2 R Diff-Shop for groceries	Categ
2	S2SHOPR	S2SHOPR:W2 S Diff-Shop for groceries	Categ
3	R3SHOPH	R3SHOPH:W3 R Gets Help-Shop for groceries	Categ
4	R4SHOPH	R4SHOPH:W4 R Gets Help-Shop for groceries	Categ
5	R5SHOPH	R5SHOPH:W5 R Gets Help-Shop for groceries	Categ
6	R6SHOPH	R6SHOPH:W6 R Gets Help-Shop for groceries	Categ

7	R7SHOPH	R7SHOPH:W7 R Gets Help-Shop for groceries	Categ
8	R8SHOPH	R8SHOPH:W8 R Gets Help-Shop for groceries	Categ
9	R9SHOPH	R9SHOPH:W9 R Gets Help-Shop for groceries	Categ
10	R10SHOPH	R10SHOPH:W10 R Gets Help-Shop for groceries	Categ
11	R11SHOPH	R11SHOPH:W11 R Gets Help-Shop for groceries	Categ
12	R12SHOPH	R12SHOPH:W12 R Gets Help-Shop for groceries	Categ
13	R13SHOPH	R13SHOPH:W13 R Gets Help-Shop for groceries	Categ
14	R14SHOPH	R14SHOPH:W14 R Gets Help-Shop for groceries	Categ
15	R15SHOPH	R15SHOPH:W15 R Gets Help-Shop for groceries	Categ
16	R16SHOPH	R16SHOPH:W16 R Gets Help-Shop for groceries	Categ
3	S3SHOPH	S3SHOPH:W3 S Gets Help-Shop for groceries	Categ
4	S4SHOPH	S4SHOPH:W4 S Gets Help-Shop for groceries	Categ
5	S5SHOPH	S5SHOPH:W5 S Gets Help-Shop for groceries	Categ
6	S6SHOPH	S6SHOPH:W6 S Gets Help-Shop for groceries	Categ
7	S7SHOPH	S7SHOPH:W7 S Gets Help-Shop for groceries	Categ
8	S8SHOPH	S8SHOPH:W8 S Gets Help-Shop for groceries	Categ
9	S9SHOPH	S9SHOPH:W9 S Gets Help-Shop for groceries	Categ
10	S10SHOPH	S10SHOPH:W10 S Gets Help-Shop for groceries	Categ
11	S11SHOPH	S11SHOPH:W11 S Gets Help-Shop for groceries	Categ
12	S12SHOPH	S12SHOPH:W12 S Gets Help-Shop for groceries	Categ
13	S13SHOPH	S13SHOPH:W13 S Gets Help-Shop for groceries	Categ
14	S14SHOPH	S14SHOPH:W14 S Gets Help-Shop for groceries	Categ
15	S15SHOPH	S15SHOPH:W15 S Gets Help-Shop for groceries	Categ
16	S16SHOPH	S16SHOPH:W16 S Gets Help-Shop for groceries	Categ
3	R3MEALS	R3MEALS:W3 R Diff-Preparing hot meals	Categ
4	R4MEALS	R4MEALS:W4 R Diff-Preparing hot meals	Categ
5	R5MEALS	R5MEALS:W5 R Diff-Preparing hot meals	Categ
6	R6MEALS	R6MEALS:W6 R Diff-Preparing hot meals	Categ
7	R7MEALS	R7MEALS:W7 R Diff-Preparing hot meals	Categ
8	R8MEALS	R8MEALS:W8 R Diff-Preparing hot meals	Categ
9	R9MEALS	R9MEALS:W9 R Diff-Preparing hot meals	Categ
10	R10MEALS	R10MEALS:W10 R Diff-Preparing hot meals	Categ
11	R11MEALS	R11MEALS:W11 R Diff-Preparing hot meals	Categ
12	R12MEALS	R12MEALS:W12 R Diff-Preparing hot meals	Categ
13	R13MEALS	R13MEALS:W13 R Diff-Preparing hot meals	Categ
14	R14MEALS	R14MEALS:W14 R Diff-Preparing hot meals	Categ
15	R15MEALS	R15MEALS:W15 R Diff-Preparing hot meals	Categ
16	R16MEALS	R16MEALS:W16 R Diff-Preparing hot meals	Categ
3	S3MEALS	S3MEALS:W3 S Diff-Preparing hot meals	Categ
4	S4MEALS	S4MEALS:W4 S Diff-Preparing hot meals	Categ
5	S5MEALS	S5MEALS:W5 S Diff-Preparing hot meals	Categ
6	S6MEALS	S6MEALS:W6 S Diff-Preparing hot meals	Categ
7	S7MEALS	S7MEALS:W7 S Diff-Preparing hot meals	Categ
8	S8MEALS	S8MEALS:W8 S Diff-Preparing hot meals	Categ
9	S9MEALS	S9MEALS:W9 S Diff-Preparing hot meals	Categ
10	S10MEALS	S10MEALS:W10 S Diff-Preparing hot meals	Categ
11	S11MEALS	S11MEALS:W11 S Diff-Preparing hot meals	Categ
12	S12MEALS	S12MEALS:W12 S Diff-Preparing hot meals	Categ
13	S13MEALS	S13MEALS:W13 S Diff-Preparing hot meals	Categ
14	S14MEALS	S14MEALS:W14 S Diff-Preparing hot meals	Categ
15	S15MEALS	S15MEALS:W15 S Diff-Preparing hot meals	Categ
16	S16MEALS	S16MEALS:W16 S Diff-Preparing hot meals	Categ
2	R2MEALSR	R2MEALSR:W2 R Diff-Preparing hot meals	Categ
2	S2MEALSR	S2MEALSR:W2 S Diff-Preparing hot meals	Categ
3	R3MEALSH	R3MEALSH:W3 R Gets Help-Preparing hot meals	Categ
4	R4MEALSH	R4MEALSH:W4 R Gets Help-Preparing hot meals	Categ
5	R5MEALSH	R5MEALSH:W5 R Gets Help-Preparing hot meals	Categ
6	R6MEALSH	R6MEALSH:W6 R Gets Help-Preparing hot meals	Categ
7	R7MEALSH	R7MEALSH:W7 R Gets Help-Preparing hot meals	Categ
8	R8MEALSH	R8MEALSH:W8 R Gets Help-Preparing hot meals	Categ
9	R9MEALSH	R9MEALSH:W9 R Gets Help-Preparing hot meals	Categ
10	R10MEALSH	R10MEALSH:W10 R Gets Help-Preparing hot meals	Categ
11	R11MEALSH	R11MEALSH:W11 R Gets Help-Preparing hot meals	Categ
12	R12MEALSH	R12MEALSH:W12 R Gets Help-Preparing hot meals	Categ
13	R13MEALSH	R13MEALSH:W13 R Gets Help-Preparing hot meals	Categ
14	R14MEALSH	R14MEALSH:W14 R Gets Help-Preparing hot meals	Categ

15	R15MEALSH	R15MEALSH:W15 R Gets Help-Preparing hot meals	Categ
16	R16MEALSH	R16MEALSH:W16 R Gets Help-Preparing hot meals	Categ
3	S3MEALSH	S3MEALSH:W3 S Gets Help-Preparing hot meals	Categ
4	S4MEALSH	S4MEALSH:W4 S Gets Help-Preparing hot meals	Categ
5	S5MEALSH	S5MEALSH:W5 S Gets Help-Preparing hot meals	Categ
6	S6MEALSH	S6MEALSH:W6 S Gets Help-Preparing hot meals	Categ
7	S7MEALSH	S7MEALSH:W7 S Gets Help-Preparing hot meals	Categ
8	S8MEALSH	S8MEALSH:W8 S Gets Help-Preparing hot meals	Categ
9	S9MEALSH	S9MEALSH:W9 S Gets Help-Preparing hot meals	Categ
10	S10MEALSH	S10MEALSH:W10 S Gets Help-Preparing hot meals	Categ
11	S11MEALSH	S11MEALSH:W11 S Gets Help-Preparing hot meals	Categ
12	S12MEALSH	S12MEALSH:W12 S Gets Help-Preparing hot meals	Categ
13	S13MEALSH	S13MEALSH:W13 S Gets Help-Preparing hot meals	Categ
14	S14MEALSH	S14MEALSH:W14 S Gets Help-Preparing hot meals	Categ
15	S15MEALSH	S15MEALSH:W15 S Gets Help-Preparing hot meals	Categ
16	S16MEALSH	S16MEALSH:W16 S Gets Help-Preparing hot meals	Categ
E	REPHONEH	REPHONEH:EXIT R got help-Use telephone	Categ
E	REMONEYH	REMONEYH:EXIT R got help-Managing money	Categ
E	REMEDSH	REMEDSH:EXIT R got help-Take medications	Categ
E	RESHOPH	RESHOPH:EXIT R got help-Shop for grocery	Categ
E	REMEALSH	REMEALSH:EXIT R got help-Preparing hot meals	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MAP	12652	1.77	1.38	1.0	7.0
R2MAP	11400	0.36	0.89	0.0	7.0
R3MAP	17943	1.17	2.40	0.0	7.0
R4MAP	21332	1.07	2.35	0.0	7.0
R5MAP	19537	1.14	2.42	0.0	7.0
R6MAP	18140	1.08	2.35	0.0	7.0
R7MAP	20103	1.04	2.32	0.0	7.0
R8MAP	18444	0.99	2.25	0.0	7.0
R9MAP	17191	1.01	2.28	0.0	7.0
R10MAP	21862	0.67	1.83	0.0	7.0
R11MAP	20493	0.66	1.82	0.0	7.0
R12MAP	18687	0.64	1.76	0.0	7.0
R13MAP	20829	0.56	1.66	0.0	7.0
R14MAP	17072	0.53	1.59	0.0	7.0
R15MAP	15597	0.53	1.62	0.0	7.0
S1MAP	9900	1.68	1.28	1.0	7.0
S2MAP	8727	0.31	0.80	0.0	7.0
S3MAP	11901	0.78	1.99	0.0	7.0
S4MAP	13966	0.73	1.99	0.0	7.0
S5MAP	12719	0.80	2.07	0.0	7.0
S6MAP	11626	0.70	1.93	0.0	7.0
S7MAP	12963	0.70	1.94	0.0	7.0
S8MAP	11724	0.68	1.89	0.0	7.0
S9MAP	10636	0.63	1.83	0.0	7.0
S10MAP	13421	0.44	1.47	0.0	7.0
S11MAP	12461	0.43	1.46	0.0	7.0
S12MAP	10992	0.42	1.42	0.0	7.0
S13MAP	11754	0.37	1.33	0.0	7.0
S14MAP	9333	0.38	1.32	0.0	7.0
S15MAP	8448	0.35	1.30	0.0	7.0
R1CALC	12652	1.84	1.91	1.0	7.0
R2CALC	11398	0.35	1.26	0.0	7.0

S1CALC	9900	1.76	1.82	1.0	7.0
S2CALC	8722	0.31	1.21	0.0	7.0
R1MCWV	12652	1.42	1.30	1.0	7.0
S1MCWV	9900	1.35	1.17	1.0	7.0
R1COMP	12652	4.04	2.67	1.0	7.0
S1COMP	9900	3.99	2.66	1.0	7.0
R2PHONE	11416	0.05	0.34	0.0	7.0
R3PHONE	17951	0.14	0.81	0.0	7.0
R4PHONE	21349	0.14	0.81	0.0	7.0
R5PHONE	19550	0.15	0.87	0.0	7.0
R6PHONE	18157	0.15	0.85	0.0	7.0
R7PHONE	20109	0.15	0.86	0.0	7.0
R8PHONE	18457	0.16	0.87	0.0	7.0
R9PHONE	17202	0.16	0.86	0.0	7.0
R10PHONE	21892	0.12	0.69	0.0	7.0
R11PHONE	20529	0.12	0.70	0.0	7.0
R12PHONE	18724	0.11	0.65	0.0	7.0
R13PHONE	20867	0.10	0.62	0.0	7.0
R14PHONE	17102	0.08	0.51	0.0	7.0
R15PHONE	15636	0.07	0.47	0.0	7.0
R16PHONE	15707	0.07	0.47	0.0	7.0
S2PHONE	8738	0.04	0.33	0.0	7.0
S3PHONE	11904	0.10	0.69	0.0	7.0
S4PHONE	13972	0.11	0.72	0.0	7.0
S5PHONE	12724	0.11	0.74	0.0	7.0
S6PHONE	11636	0.10	0.68	0.0	7.0
S7PHONE	12966	0.10	0.69	0.0	7.0
S8PHONE	11733	0.10	0.71	0.0	7.0
S9PHONE	10639	0.10	0.68	0.0	7.0
S10PHONE	13427	0.08	0.55	0.0	7.0
S11PHONE	12478	0.08	0.59	0.0	7.0
S12PHONE	11006	0.08	0.57	0.0	7.0
S13PHONE	11768	0.07	0.52	0.0	7.0
S14PHONE	9348	0.06	0.47	0.0	7.0
S15PHONE	8460	0.05	0.38	0.0	7.0
S16PHONE	7822	0.05	0.44	0.0	7.0
R2PHONER	8219	0.09	0.53	0.0	7.0
S2PHONER	4348	0.08	0.50	0.0	7.0
R3PHONEH	17947	0.04	0.19	0.0	1.0
R4PHONEH	21347	0.04	0.19	0.0	1.0
R5PHONEH	19543	0.03	0.18	0.0	1.0
R6PHONEH	18155	0.04	0.20	0.0	1.0
R7PHONEH	20101	0.04	0.19	0.0	2.0
R8PHONEH	18455	0.04	0.19	0.0	1.0
R9PHONEH	17205	0.04	0.19	0.0	1.0
R10PHONEH	21890	0.04	0.20	0.0	1.0
R11PHONEH	20534	0.04	0.20	0.0	1.0
R12PHONEH	18728	0.04	0.20	0.0	1.0
R13PHONEH	20863	0.04	0.18	0.0	1.0

R14PHONEH	17108	0.04	0.19	0.0	1.0
R15PHONEH	15641	0.03	0.18	0.0	1.0
R16PHONEH	15713	0.03	0.17	0.0	1.0
S3PHONEH	11903	0.03	0.17	0.0	1.0
S4PHONEH	13970	0.03	0.17	0.0	1.0
S5PHONEH	12720	0.02	0.16	0.0	1.0
S6PHONEH	11634	0.03	0.17	0.0	1.0
S7PHONEH	12961	0.03	0.16	0.0	2.0
S8PHONEH	11733	0.03	0.17	0.0	1.0
S9PHONEH	10643	0.03	0.16	0.0	1.0
S10PHONEH	13428	0.03	0.17	0.0	1.0
S11PHONEH	12480	0.03	0.17	0.0	1.0
S12PHONEH	11008	0.03	0.18	0.0	1.0
S13PHONEH	11768	0.03	0.16	0.0	1.0
S14PHONEH	9350	0.03	0.17	0.0	1.0
S15PHONEH	8464	0.02	0.15	0.0	1.0
S16PHONEH	7824	0.02	0.15	0.0	1.0
R2MONEY	11415	0.10	0.54	0.0	7.0
R3MONEY	17950	0.40	1.50	0.0	7.0
R4MONEY	21349	0.38	1.47	0.0	7.0
R5MONEY	19547	0.42	1.55	0.0	7.0
R6MONEY	18152	0.44	1.59	0.0	7.0
R7MONEY	20107	0.47	1.66	0.0	7.0
R8MONEY	18456	0.49	1.69	0.0	7.0
R9MONEY	17203	0.51	1.73	0.0	7.0
R10MONEY	21880	0.40	1.48	0.0	7.0
R11MONEY	20523	0.36	1.42	0.0	7.0
R12MONEY	18716	0.36	1.39	0.0	7.0
R13MONEY	20851	0.31	1.28	0.0	7.0
R14MONEY	17097	0.28	1.23	0.0	7.0
R15MONEY	15628	0.24	1.13	0.0	7.0
R16MONEY	15699	0.24	1.13	0.0	7.0
S2MONEY	8737	0.09	0.54	0.0	7.0
S3MONEY	11903	0.39	1.53	0.0	7.0
S4MONEY	13972	0.35	1.45	0.0	7.0
S5MONEY	12721	0.40	1.56	0.0	7.0
S6MONEY	11631	0.41	1.57	0.0	7.0
S7MONEY	12966	0.44	1.64	0.0	7.0
S8MONEY	11731	0.46	1.68	0.0	7.0
S9MONEY	10641	0.46	1.68	0.0	7.0
S10MONEY	13423	0.38	1.48	0.0	7.0
S11MONEY	12478	0.34	1.40	0.0	7.0
S12MONEY	11005	0.36	1.45	0.0	7.0
S13MONEY	11761	0.30	1.31	0.0	7.0
S14MONEY	9342	0.30	1.31	0.0	7.0
S15MONEY	8459	0.25	1.19	0.0	7.0
S16MONEY	7821	0.25	1.19	0.0	7.0
R2MONEYR	8214	0.70	1.97	0.0	7.0
S2MONEYR	4344	0.91	2.26	0.0	7.0
R3MONEYH	17949	0.06	0.23	0.0	1.0
R4MONEYH	21350	0.06	0.23	0.0	1.0
R5MONEYH	19548	0.06	0.24	0.0	1.0
R6MONEYH	18152	0.07	0.25	0.0	1.0

R7MONEYH	20109	0.06	0.23	0.0	1.0
R8MONEYH	18455	0.06	0.25	0.0	1.0
R9MONEYH	17204	0.07	0.25	0.0	1.0
R10MONEYH	21888	0.07	0.25	0.0	1.0
R11MONEYH	20531	0.06	0.25	0.0	1.0
R12MONEYH	18721	0.07	0.25	0.0	1.0
R13MONEYH	20866	0.06	0.24	0.0	1.0
R14MONEYH	17109	0.05	0.23	0.0	1.0
R15MONEYH	15639	0.05	0.22	0.0	1.0
R16MONEYH	15712	0.05	0.22	0.0	1.0
S3MONEYH	11902	0.03	0.18	0.0	1.0
S4MONEYH	13972	0.04	0.18	0.0	1.0
S5MONEYH	12723	0.04	0.18	0.0	1.0
S6MONEYH	11634	0.04	0.19	0.0	1.0
S7MONEYH	12967	0.04	0.18	0.0	1.0
S8MONEYH	11731	0.04	0.19	0.0	1.0
S9MONEYH	10643	0.04	0.19	0.0	1.0
S10MONEYH	13429	0.04	0.20	0.0	1.0
S11MONEYH	12479	0.04	0.20	0.0	1.0
S12MONEYH	11005	0.05	0.21	0.0	1.0
S13MONEYH	11769	0.04	0.20	0.0	1.0
S14MONEYH	9348	0.04	0.19	0.0	1.0
S15MONEYH	8466	0.04	0.19	0.0	1.0
S16MONEYH	7822	0.04	0.19	0.0	1.0
R2MEDS	11414	0.11	0.73	0.0	7.0
R3MEDS	17950	0.53	1.78	0.0	7.0
R4MEDS	20068	0.07	0.44	0.0	7.0
R5MEDS	18545	0.06	0.41	0.0	7.0
R6MEDS	17776	0.06	0.41	0.0	7.0
R7MEDS	19696	0.06	0.41	0.0	7.0
R8MEDS	18206	0.07	0.43	0.0	7.0
R9MEDS	17012	0.07	0.42	0.0	7.0
R10MEDS	21622	0.07	0.43	0.0	7.0
R11MEDS	20291	0.07	0.40	0.0	7.0
R12MEDS	18501	0.07	0.40	0.0	7.0
R13MEDS	20665	0.06	0.40	0.0	7.0
R14MEDS	16930	0.05	0.35	0.0	7.0
R15MEDS	15460	0.05	0.34	0.0	7.0
R16MEDS	15578	0.06	0.35	0.0	7.0
S2MEDS	8735	0.10	0.70	0.0	7.0
S3MEDS	11904	0.52	1.79	0.0	7.0
S4MEDS	13139	0.05	0.41	0.0	7.0
S5MEDS	12052	0.04	0.32	0.0	7.0
S6MEDS	11414	0.04	0.35	0.0	7.0
S7MEDS	12741	0.04	0.34	0.0	7.0
S8MEDS	11590	0.04	0.30	0.0	7.0
S9MEDS	10546	0.04	0.31	0.0	7.0
S10MEDS	13282	0.05	0.38	0.0	7.0
S11MEDS	12341	0.04	0.27	0.0	7.0
S12MEDS	10886	0.05	0.34	0.0	7.0
S13MEDS	11665	0.04	0.33	0.0	7.0
S14MEDS	9249	0.04	0.28	0.0	7.0
S15MEDS	8370	0.04	0.28	0.0	7.0
S16MEDS	7771	0.03	0.23	0.0	7.0
R2MEDSR	8221	0.14	0.83	0.0	7.0

S2MEDSR	4348	0.10	0.67	0.0	7.0
R3MEDSH	17301	0.03	0.17	0.0	1.0
R4MEDSH	21352	0.04	0.20	0.0	1.0
R5MEDSH	19551	0.04	0.21	0.0	1.0
R6MEDSH	18157	0.05	0.22	0.0	1.0
R7MEDSH	20087	0.05	0.21	0.0	1.0
R8MEDSH	18440	0.05	0.21	0.0	1.0
R9MEDSH	17190	0.05	0.22	0.0	1.0
R10MEDSH	21864	0.05	0.21	0.0	1.0
R11MEDSH	20513	0.05	0.22	0.0	1.0
R12MEDSH	18708	0.05	0.22	0.0	1.0
R13MEDSH	20859	0.04	0.21	0.0	1.0
R14MEDSH	17099	0.04	0.20	0.0	1.0
R15MEDSH	15632	0.04	0.20	0.0	1.0
R16MEDSH	15709	0.04	0.20	0.0	1.0
S3MEDSH	11511	0.02	0.14	0.0	1.0
S4MEDSH	13973	0.02	0.15	0.0	1.0
S5MEDSH	12724	0.02	0.15	0.0	1.0
S6MEDSH	11635	0.03	0.17	0.0	1.0
S7MEDSH	12961	0.03	0.16	0.0	1.0
S8MEDSH	11725	0.03	0.16	0.0	1.0
S9MEDSH	10634	0.03	0.16	0.0	1.0
S10MEDSH	13414	0.03	0.16	0.0	1.0
S11MEDSH	12475	0.03	0.17	0.0	1.0
S12MEDSH	10996	0.03	0.16	0.0	1.0
S13MEDSH	11763	0.03	0.16	0.0	1.0
S14MEDSH	9346	0.03	0.16	0.0	1.0
S15MEDSH	8460	0.03	0.16	0.0	1.0
S16MEDSH	7825	0.02	0.16	0.0	1.0
R3SHOP	17950	0.56	1.76	0.0	7.0
R4SHOP	21350	0.53	1.71	0.0	7.0
R5SHOP	19550	0.57	1.78	0.0	7.0
R6SHOP	18157	0.58	1.81	0.0	7.0
R7SHOP	20074	0.55	1.77	0.0	7.0
R8SHOP	18458	0.55	1.75	0.0	7.0
R9SHOP	17206	0.56	1.77	0.0	7.0
R10SHOP	21887	0.38	1.41	0.0	7.0
R11SHOP	20520	0.36	1.37	0.0	7.0
R12SHOP	18720	0.34	1.29	0.0	7.0
R13SHOP	20867	0.33	1.28	0.0	7.0
R14SHOP	17095	0.28	1.15	0.0	7.0
R15SHOP	15624	0.31	1.23	0.0	7.0
R16SHOP	15702	0.29	1.18	0.0	7.0
S3SHOP	11904	0.45	1.60	0.0	7.0
S4SHOP	13972	0.42	1.55	0.0	7.0
S5SHOP	12724	0.45	1.61	0.0	7.0
S6SHOP	11635	0.44	1.59	0.0	7.0
S7SHOP	12956	0.43	1.58	0.0	7.0
S8SHOP	11732	0.41	1.52	0.0	7.0
S9SHOP	10642	0.39	1.51	0.0	7.0
S10SHOP	13427	0.26	1.17	0.0	7.0
S11SHOP	12472	0.26	1.16	0.0	7.0
S12SHOP	11004	0.25	1.13	0.0	7.0
S13SHOP	11765	0.24	1.10	0.0	7.0

S14SHOP	9343	0.22	1.05	0.0	7.0
S15SHOP	8454	0.23	1.07	0.0	7.0
S16SHOP	7823	0.23	1.06	0.0	7.0
R2SHOPR	8220	0.41	1.21	0.0	7.0
S2SHOPR	4347	0.37	1.27	0.0	7.0
R3SHOPH	17946	0.09	0.28	0.0	1.0
R4SHOPH	21350	0.10	0.30	0.0	1.0
R5SHOPH	19550	0.10	0.29	0.0	1.0
R6SHOPH	18157	0.11	0.31	0.0	1.0
R7SHOPH	20104	0.10	0.30	0.0	2.0
R8SHOPH	18459	0.10	0.30	0.0	1.0
R9SHOPH	17207	0.10	0.30	0.0	1.0
R10SHOPH	21888	0.10	0.30	0.0	1.0
R11SHOPH	20530	0.10	0.30	0.0	1.0
R12SHOPH	18720	0.10	0.30	0.0	1.0
R13SHOPH	20873	0.10	0.30	0.0	1.0
R14SHOPH	17106	0.10	0.29	0.0	1.0
R15SHOPH	15639	0.10	0.30	0.0	1.0
R16SHOPH	15712	0.10	0.30	0.0	1.0
S3SHOPH	11901	0.06	0.23	0.0	1.0
S4SHOPH	13973	0.06	0.24	0.0	1.0
S5SHOPH	12723	0.06	0.24	0.0	1.0
S6SHOPH	11636	0.06	0.24	0.0	1.0
S7SHOPH	12961	0.06	0.24	0.0	2.0
S8SHOPH	11732	0.07	0.25	0.0	1.0
S9SHOPH	10643	0.06	0.24	0.0	1.0
S10SHOPH	13427	0.06	0.24	0.0	1.0
S11SHOPH	12477	0.07	0.25	0.0	1.0
S12SHOPH	11006	0.07	0.25	0.0	1.0
S13SHOPH	11771	0.07	0.25	0.0	1.0
S14SHOPH	9348	0.07	0.25	0.0	1.0
S15SHOPH	8463	0.07	0.25	0.0	1.0
S16SHOPH	7822	0.07	0.25	0.0	1.0
R3MEALS	17951	0.55	1.78	0.0	7.0
R4MEALS	21350	0.53	1.74	0.0	7.0
R5MEALS	19548	0.60	1.85	0.0	7.0
R6MEALS	18155	0.61	1.87	0.0	7.0
R7MEALS	20112	0.57	1.82	0.0	7.0
R8MEALS	18459	0.53	1.75	0.0	7.0
R9MEALS	17205	0.54	1.76	0.0	7.0
R10MEALS	21887	0.36	1.42	0.0	7.0
R11MEALS	20523	0.35	1.38	0.0	7.0
R12MEALS	18719	0.32	1.30	0.0	7.0
R13MEALS	20867	0.30	1.26	0.0	7.0
R14MEALS	17103	0.25	1.12	0.0	7.0
R15MEALS	15639	0.23	1.08	0.0	7.0
R16MEALS	15702	0.23	1.08	0.0	7.0
S3MEALS	11904	0.55	1.81	0.0	7.0
S4MEALS	13973	0.52	1.76	0.0	7.0
S5MEALS	12724	0.57	1.84	0.0	7.0
S6MEALS	11634	0.55	1.81	0.0	7.0
S7MEALS	12967	0.50	1.74	0.0	7.0
S8MEALS	11732	0.45	1.64	0.0	7.0

S9MEALS	10643	0.45	1.64	0.0	7.0
S10MEALS	13427	0.28	1.27	0.0	7.0
S11MEALS	12474	0.27	1.22	0.0	7.0
S12MEALS	11001	0.26	1.20	0.0	7.0
S13MEALS	11768	0.22	1.11	0.0	7.0
S14MEALS	9344	0.21	1.04	0.0	7.0
S15MEALS	8460	0.18	0.98	0.0	7.0
S16MEALS	7819	0.20	1.02	0.0	7.0
R2MEALSR	8220	0.49	1.59	0.0	7.0
S2MEALSR	4348	0.64	1.88	0.0	7.0
R3MEALSH	17948	0.06	0.23	0.0	1.0
R4MEALSH	21351	0.06	0.24	0.0	1.0
R5MEALSH	19550	0.07	0.25	0.0	1.0
R6MEALSH	18158	0.08	0.27	0.0	1.0
R7MEALSH	20113	0.07	0.26	0.0	2.0
R8MEALSH	18459	0.07	0.26	0.0	1.0
R9MEALSH	17205	0.07	0.26	0.0	1.0
R10MEALSH	21893	0.07	0.25	0.0	1.0
R11MEALSH	20529	0.07	0.26	0.0	1.0
R12MEALSH	18727	0.07	0.26	0.0	1.0
R13MEALSH	20868	0.07	0.25	0.0	1.0
R14MEALSH	17108	0.07	0.25	0.0	1.0
R15MEALSH	15638	0.06	0.25	0.0	1.0
R16MEALSH	15714	0.07	0.25	0.0	1.0
S3MEALSH	11902	0.04	0.19	0.0	1.0
S4MEALSH	13973	0.04	0.20	0.0	1.0
S5MEALSH	12724	0.04	0.20	0.0	1.0
S6MEALSH	11636	0.05	0.21	0.0	1.0
S7MEALSH	12968	0.04	0.20	0.0	2.0
S8MEALSH	11732	0.04	0.21	0.0	1.0
S9MEALSH	10642	0.04	0.20	0.0	1.0
S10MEALSH	13430	0.04	0.21	0.0	1.0
S11MEALSH	12477	0.05	0.21	0.0	1.0
S12MEALSH	11008	0.05	0.21	0.0	1.0
S13MEALSH	11770	0.05	0.21	0.0	1.0
S14MEALSH	9347	0.05	0.21	0.0	1.0
S15MEALSH	8462	0.05	0.21	0.0	1.0
S16MEALSH	7824	0.05	0.22	0.0	1.0
REPHONEH	17113	1.02	2.01	0.0	7.0
REMONEYH	17141	1.10	1.68	0.0	7.0
REMEDSH	11446	0.62	0.86	0.0	7.0
RESHOPH	10837	1.76	2.49	0.0	7.0
REMEALSH	11029	1.54	2.33	0.0	7.0

Categorical Variable Codes

R1MAP: R Diff-Use a map

Value	w1
1.Not at all diff	8225
2.A little diff	1997
3.Somewhat diff	957
4.Very diff/can't do	1009
7.Don't do	464

R2MAP: R Diff-Use a map

Value	w2
.D=DK	18
.Q=Not asked this wave	8222
.R=RF	2
0.No	8949
1.Yes,a little	1244
2.Yes,a lot	1106
3.Yes,DK/NA how much	2
4.Yes,RF how much	1
7.Don't do	98

RwMAP: R Diff-Use a map

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	8	18	14	18	10	15	14	31
.J=Web interview, missing								
.M=Oth missing	36	28	24	7	10	7	9	135
.R=RF	4	6	3		6	3	3	6
0.No	12656	16175	14613	13596	15287	14013	13038	17338
1.Yes	2198	1599	1393	1437	1504	1546	1480	2516
2.Can't do	568	745	782	724	742	699	576	394
7.Don't do	2521	2813	2749	2383	2570	2186	2097	1614

Value	w11	w12	w13	w14	w15	w16
.D=DK	36	34	39	33	41	
.J=Web interview, missing				4	3	
.M=Oth missing	18	17	37	29	76	
.R=RF	7	9	7	8	6	
0.No	16252	14600	16811	13618	12716	
1.Yes	2374	2512	2517	2336	1848	
2.Can't do	384	311	268	207	163	
7.Don't do	1483	1264	1233	911	870	

S1MAP: S Diff-Use a map

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
1.Not at all diff	6644
2.A little diff	1543
3.Somewhat diff	747
4.Very diff/can't do	686
7.Don't do	280

S2MAP: S Diff-Use a map

Value	w2
.D=DK	12
.Q=Not asked this wave	4549
.R=RF	2
.U=Unmarried	5968
.V=Sp NR	384
0.No	7037
1.Yes,a little	922
2.Yes,a lot	711
3.Yes,DK/NA how much	2
4.Yes,RF how much	1
7.Don't do	54

SwMAP: S Diff-Use a map

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	3	6	5	10	4	7	7	8
.J=Web interview, missing								
.M=Oth missing	11	7	5	3	1	1	2	81
.R=RF	2	1	1		4	3	1	3
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	9226	11467	10334	9533	10712	9673	8835	11361
1.Yes	1348	909	779	827	829	810	775	1279
2.Can't do	263	361	380	308	348	316	251	174
7.Don't do	1064	1229	1226	958	1074	925	775	607

Value	w11	w12	w13	w14	w15	w16
.D=DK	17	13	16	13	16	
.J=Web interview, missing				4	2	
.M=Oth missing	4	4	7	6	10	
.R=RF	2	3	2	2	1	
.U=Unmarried	7473	7125	8024	6678	6193	
.V=Sp NR	597	610	1109	1110	1053	
0.No	10563	9206	10088	7898	7303	
1.Yes	1185	1208	1140	1016	790	
2.Can't do	165	122	99	87	64	
7.Don't do	548	456	427	332	291	

R1CALC: R Diff-Use a calculator

Value	w1
1.Not at all diff	9979
2.A little diff	664
3.Somewhat diff	257
4.Very diff/can't do	354
7.Don't do	1398

R2CALC: R Diff-Use a calculator

Value	w2
.D=DK	19
.Q=Not asked this wave	8222
.R=RF	3
0.No	10050
1.Yes,a little	452
2.Yes,a lot	546
3.Yes,DK/NA how much	4
7.Don't do	346

S1CALC: S Diff-Use a calculator

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
1.Not at all diff	7973
2.A little diff	522
3.Somewhat diff	190
4.Very diff/can't do	238
7.Don't do	977

S2CALC: S Diff-Use a calculator

Value	w2
.D=DK	16
.Q=Not asked this wave	4549
.R=RF	3
.U=Unmarried	5968
.V=Sp NR	384
0.No	7808
1.Yes,a little	320
2.Yes,a lot	349
3.Yes,DK/NA how much	2
7.Don't do	243

R1MCWV: R Diff-Use a microwave

Value	w1
1.Not at all diff	10797
2.A little diff	840
3.Somewhat diff	259
4.Very diff/can't do	199
7.Don't do	557

S1MCWV: S Diff-Use a microwave

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
1.Not at all diff	8560
2.A little diff	677
3.Somewhat diff	192
4.Very diff/can't do	133
7.Don't do	338

R1COMP: R Diff-Use a computer

Value	w1
1.Not at all diff	4059
2.A little diff	1183
3.Somewhat diff	853
4.Very diff/can't do	1239
7.Don't do	5318

S1COMP: S Diff-Use a computer

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
1.Not at all diff	3218
2.A little diff	976
3.Somewhat diff	683
4.Very diff/can't do	944
7.Don't do	4079

R2PHONE: R Diff-Use telephone

Value	w2
.D=DK	1
.Q=Not asked this wave	8222
.R=RF	3
0.No	11117
1.Yes,a little	153
2.Yes,a lot	126
3.Yes,DK/NA how much	4
4.Yes,RF how much	3
7.Don't do	13

RwPHONE: R Diff-Use telephone

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	1	4	2	1	4	3	5	3
.J=Web interview, missing								
.M=Oth missing	36	28	24	7	10	7	9	135
.R=RF	3	3	2		6	2	1	4
0.No	16925	20118	18418	17019	18978	17372	16137	20574
1.Yes	642	775	682	726	693	658	692	1049
2.Can't do	163	191	166	167	149	157	127	75
7.Don't do	221	265	284	245	289	270	246	194

Value	w11	w12	w13	w14	w15	w16
.D=DK	6	5	4	6	3	7
.J=Web interview, missing				3	5	7
.M=Oth missing	18	17	37	30	78	63
.R=RF	1	1	4	5	1	3
0.No	19292	17545	19782	16269	14952	15051
1.Yes	980	986	888	733	613	569
2.Can't do	74	52	51	24	12	29
7.Don't do	183	141	146	76	59	58

S2PHONE: S Diff-Use telephone

Value	w2
.Q=Not asked this wave	4549
.R=RF	3
.U=Unmarried	5968
.V=Sp NR	384
0.No	8532
1.Yes,a little	111
2.Yes,a lot	81
3.Yes,DK/NA how much	2
4.Yes,RF how much	3
7.Don't do	9

SwPHONE: S Diff-Use telephone

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		1			1		4	3
.J=Web interview, missing								
.M=Oth missing	11	7	5	3	1	1	2	81
.R=RF	2		1		4	1	1	2
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	11391	13356	12192	11141	12477	11243	10189	12849
1.Yes	327	405	336	339	321	317	313	480
2.Can't do	80	75	64	56	49	61	45	24
7.Don't do	106	136	132	100	119	112	92	74

Value	w11	w12	w13	w14	w15	w16
.D=DK	2	2	2	1	1	1
.J=Web interview, missing				1	4	
.M=Oth missing	4	4	7	6	11	15
.R=RF			2	2	1	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	11957	10510	11323	9008	8200	7593
1.Yes	403	408	368	294	233	193
2.Can't do	39	23	20	10	7	10
7.Don't do	79	65	57	36	20	26

R2PHONER: R Diff-Use telephone

Value	w2
.D=DK	2
.M=Oth missing	1
.Q=Not asked this wave	11420
0.Able to do without help	7745
1.Unable to do without help	375
2.Can't do	63
7.Don't do	36

S2PHONER: S Diff-Use telephone

Value	w2
.M=Oth missing	1
.Q=Not asked this wave	9125
.U=Unmarried	5968
.V=Sp NR	200
0.Able to do without help	4122
1.Unable to do without help	170
2.Can't do	40
7.Don't do	16

RwPHONEH: R Gets Help-Use telephone

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			3	6	6	3	2	5	2	5
.J=Web interview, missing										
.M=Oth missing			37	28	24	7	10	7	9	135
.R=RF			4	3	5		6	2	1	4
.X=Don't do							10			
0.No			17295	20564	18894	17427	19379	17765	16564	21004
1.Yes			652	783	649	728	713	690	641	886
2.Can't do							9			

Value	w11	w12	w13	w14	w15	w16
.D=DK	1	2	9	3	2	6
.J=Web interview, missing				1	1	
.M=Oth missing	18	17	37	30	78	66
.R=RF	1		3	4	1	2
.X=Don't do						
0.No	19718	17909	20131	16496	15140	15257
1.Yes	816	819	732	612	501	456
2.Can't do						

SwPHONEH: S Gets Help-Use telephone

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			1	3	2	2				2
.J=Web interview, missing										
.M=Oth missing			11	7	5	3	1	1	2	81
.R=RF			2		3		4	1	1	2
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR			417	536	311	220	380	317	365	724
.X=Don't do							6			
0.No			11569	13554	12405	11289	12632	11401	10359	13009
1.Yes			334	416	315	345	325	332	284	419
2.Can't do							4			

Value	w11	w12	w13	w14	w15	w16
.D=DK			3			2
.J=Web interview, missing				1	1	
.M=Oth missing	4	4	7	6	11	12
.R=RF			1	1	1	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do						

0.No	12120	10651	11451	9083	8265	7655
1.Yes	360	357	317	267	199	169
2.Can't do						

R2MONEY: R Diff-Managing money

Value	w2
.D=DK	3
.Q=Not asked this wave	8222
.R=RF	2
0.No	10781
1.Yes,a little	379
2.Yes,a lot	205
3.Yes,DK/NA how much	3
4.Yes,RF how much	4
7.Don't do	43

RwMONEY: R Diff-Managing money

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	1	3	4	3	4	3	3	9
.J=Web interview, missing								
.M=Oth missing	37	28	25	7	10	7	9	135
.R=RF	3	4	2	3	8	3	2	10
0.No	16166	19305	17562	16196	17980	16377	15225	19379
1.Yes	713	849	789	800	768	789	736	1411
2.Can't do	221	226	201	185	172	159	130	79
7.Don't do	850	969	995	971	1187	1131	1112	1011

Value	w11	w12	w13	w14	w15	w16
.D=DK	9	10	17	6	11	11
.J=Web interview, missing				5	2	4
.M=Oth missing	18	17	37	31	78	64
.R=RF	4	4	7	7	4	9
0.No	18323	16560	18751	15464	14324	14335
1.Yes	1255	1342	1339	1080	875	927
2.Can't do	77	62	53	24	20	34
7.Don't do	868	752	708	529	409	403

S2MONEY: S Diff-Managing money

Value	w2
.D=DK	2
.Q=Not asked this wave	4549
.R=RF	2
.U=Unmarried	5968
.V=Sp NR	384
0.No	8320
1.Yes,a little	261
2.Yes,a lot	115
3.Yes,DK/NA how much	1
4.Yes,RF how much	3
7.Don't do	37

SwMONEY: S Diff-Managing money

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		1	2	2	1	1	1	5
.J=Web interview, missing								
.M=Oth missing	12	7	6	3	1	1	2	81
.R=RF	2		1	3	4	2	2	4
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	10939	12907	11700	10667	11840	10666	9692	12168
1.Yes	268	355	288	280	317	281	256	596
2.Can't do	101	86	73	71	59	72	40	33
7.Don't do	595	624	660	613	750	712	653	626

Value	w11	w12	w13	w14	w15	w16
.D=DK	2	3	7	1	4	3
.J=Web interview, missing				4	1	
.M=Oth missing	4	4	7	7	11	13
.R=RF			4	4	2	3
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	11404	9975	10811	8582	7881	7254
1.Yes	523	524	508	413	321	324
2.Can't do	33	17	21	14	8	16
7.Don't do	518	489	421	333	249	227

R2MONEYR: R Diff-Managing money

Value	w2
.D=DK	2
.M=Oth missing	4
.Q=Not asked this wave	11420
.R=RF	2
0.Able to do without help	6758
1.Unable to do without help	734
7.Don't do	722

S2MONEYR: S Diff-Managing money

Value	w2
.D=DK	2
.M=Oth missing	2
.Q=Not asked this wave	9125
.R=RF	1
.U=Unmarried	5968
.V=Sp NR	200
0.Able to do without help	3522
1.Unable to do without help	302
7.Don't do	520

RwMONEYH: R Gets Help-Managing money

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			2	2	2	3	3	3	1	4
.J=Web interview, missing										
.M=Oth missing			37	28	25	7	10	7	9	135
.R=RF			3	4	3	3	7	4	3	7
0.No			16911	20133	18335	16955	18954	17261	16082	20458
1.Yes			1038	1217	1213	1197	1155	1194	1122	1430

Value	w11	w12	w13	w14	w15	w16
.D=DK	2	7	4	1	4	3
.J=Web interview, missing				1		
.M=Oth missing	18	17	37	31	78	67
.R=RF	3	2	5	4	2	5
0.No	19200	17425	19620	16179	14843	14891
1.Yes	1331	1296	1246	930	796	821

SwMONEYH: S Gets Help-Managing money

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			1	1						1
.J=Web interview, missing										
.M=Oth missing			12	7	6	3	1	1	2	81
.R=RF			2		1	2	4	3	1	2
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR			417	536	311	220	380	317	365	724
0.No			11490	13481	12272	11201	12509	11307	10257	12839
1.Yes			412	491	451	433	458	424	386	590

Value	w11	w12	w13	w14	w15	w16
.D=DK	1	3		1		3
.J=Web interview, missing				1		
.M=Oth missing	4	4	7	7	11	12
.R=RF			3	1		3
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	11952	10497	11286	8982	8160	7521
1.Yes	527	508	483	366	306	301

R2MEDS: R Diff-Take medications

Value	w2
.D=DK	4
.Q=Not asked this wave	8222
.R=RF	2
0.No	10963
1.Yes,a little	200
2.Yes,a lot	130
4.Yes,RF how much	12
7.Don't do	109

RwMEDS: R Diff-Take medications

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	1	6	2	6	6	2		3
.J=Web interview, missing								
.M=Oth missing	36	28	24	7	36	7	9	135
.R=RF	4	4	2		4	3	1	6
.Z=Don't do/No if did		1278	1005	376	387	251	195	268
0.No	16009	19211	17732	16962	18829	17322	16149	20552
1.Yes	585	685	646	687	737	745	748	966
2.Can't do	115	114	125	85	82	91	73	45
7.Don't do	1241	58	42	42	48	48	42	59

Value	w11	w12	w13	w14	w15	w16
.D=DK	7	5	5	3	10	7
.J=Web interview, missing				9	8	7
.M=Oth missing	18	17	37	30	78	63
.R=RF	3	1	3	4	2	4
.Z=Don't do/No if did	235	223	202	170	165	128
0.No	19282	17520	19671	16189	14808	14873
1.Yes	921	922	923	703	620	666

2.Can't do	43	18	24	10	8	13
7.Don't do	45	41	47	28	24	26

S2MEDS: S Diff-Take medications

Value	w2
.D=DK	4
.Q=Not asked this wave	4549
.R=RF	2
.U=Unmarried	5968
.V=Sp NR	384
0.No	8421
1.Yes,a little	137
2.Yes,a lot	90
4.Yes,RF how much	10
7.Don't do	77

SwMEDS: S Diff-Take medications

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		3			2			
.J=Web interview, missing								
.M=Oth missing	11	7	5	3	10	1	2	81
.R=RF	2		1		2	2	1	3
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
.Z=Don't do/No if did		831	672	222	217	142	97	147
0.No	10740	12732	11701	11077	12370	11212	10197	12821
1.Yes	277	322	296	283	323	335	317	412
2.Can't do	52	50	38	34	26	30	19	19
7.Don't do	835	35	17	20	22	13	13	30

Value	w11	w12	w13	w14	w15	w16
.D=DK	3			1	3	2
.J=Web interview, missing				6	4	
.M=Oth missing	4	4	7	6	11	15
.R=RF			1	1		2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.Z=Don't do/No if did	136	122	106	95	89	50
0.No	11927	10508	11266	8950	8111	7536
1.Yes	392	354	373	288	247	229
2.Can't do	12	5	7	2	4	2
7.Don't do	10	19	19	9	8	4

R2MEDSR: R Diff-Take medications

Value	w2
.M=Oth missing	1
.Q=Not asked this wave	11420
0.Able to do without help	7711
1.Unable to do without help	377
2.Can't do	24
7.Don't do	109

S2MEDSR: S Diff-Take medications

Value	w2
.M=Oth missing	1
.Q=Not asked this wave	9125
.U=Unmarried	5968
.V=Sp NR	200
0.Able to do without help	4129
1.Unable to do without help	171
2.Can't do	12
7.Don't do	36

RwMEDSH: R Gets Help-Take medications

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			2		1	1				1
.J=Web interview, missing										
.M=Oth missing			36	28	24	7	38	26	26	164
.R=RF			3	4	2		4	3	1	5
.X=Don't do			649							
0.No			16761	20484	18682	17187	19126	17562	16295	20847
1.Yes			540	868	869	970	961	878	895	1017

Value	w11	w12	w13	w14	w15	w16
.D=DK	2				3	1
.J=Web interview, missing				1		
.M=Oth missing	37	39	52	42	88	75
.R=RF	2		1	4		2
.X=Don't do						
0.No	19470	17758	19930	16384	14996	15072
1.Yes	1043	950	929	715	636	637

SwMEDSH: S Gets Help-Take medications

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			1			1				
.J=Web interview, missing										
.M=Oth missing			11	7	5	3	9	8	11	97
.R=RF			2		1		2	2	1	2
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR			417	536	311	220	380	317	365	724
.X=Don't do			392							
0.No			11273	13646	12416	11295	12620	11420	10352	13045
1.Yes			238	327	308	340	341	305	282	369

Value	w11	w12	w13	w14	w15	w16
.D=DK	1				3	
.J=Web interview, missing				1		
.M=Oth missing	8	16	15	10	14	13
.R=RF			1	1		2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do						
0.No	12110	10692	11441	9094	8239	7632
1.Yes	365	304	322	252	221	193

RwSHOP: R Diff-Shop for groceries

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			2		2	1	4	1	1	6
.J=Web interview, missing										
.M=Oth missing			36	28	24	7	45	7	9	135
.R=RF			3	6	2		6	3	1	6
0.No			15421	18465	16827	15568	17375	15820	14828	19170
1.Yes			1024	1220	1140	1052	1107	1186	1036	1695
2.Can't do			299	317	228	245	226	231	172	114
7.Don't do			1206	1348	1355	1292	1366	1221	1170	908

Value	w11	w12	w13	w14	w15	w16
.D=DK	10	9	6	7	14	14
.J=Web interview, missing				9	5	5
.M=Oth missing	18	17	37	30	78	63
.R=RF	6	1	2	5	2	3
0.No	17916	16295	18324	15095	13758	13772
1.Yes	1703	1703	1761	1498	1343	1434
2.Can't do	106	80	81	50	38	59
7.Don't do	795	642	701	452	485	437

SwSHOP: S Diff-Shop for groceries

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK						1	2		1	3
.J=Web interview, missing										
.M=Oth missing			11	7	5	3	10	1	2	81
.R=RF			2	1	1		4	2	1	2
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR			417	536	311	220	380	317	365	724
0.No			10631	12566	11385	10457	11663	10487	9602	12249
1.Yes			489	562	536	441	515	571	462	764
2.Can't do			132	132	94	106	88	97	61	38
7.Don't do			652	712	709	631	690	577	517	376

Value	w11	w12	w13	w14	w15	w16
.D=DK	6	4	6	3	9	2
.J=Web interview, missing				5	2	
.M=Oth missing	4	4	7	6	11	13
.R=RF	2		1	1	1	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	11358	9983	10723	8541	7727	7126
1.Yes	728	707	725	577	514	502
2.Can't do	48	28	29	19	19	20
7.Don't do	338	286	288	206	194	175

R2SHOPR: R Diff-Shop for groceries

Value	w2
.D=DK	1
.M=Oth missing	1
.Q=Not asked this wave	11420
0.Able to do without help	6535
1.Unable to do without help	1180
2.Can't do	277
7.Don't do	228

S2SHOPR: S Diff-Shop for groceries

Value	w2
.D=DK	1
.M=Oth missing	1
.Q=Not asked this wave	9125
.U=Unmarried	5968
.V=Sp NR	200
0.Able to do without help	3662
1.Unable to do without help	442
2.Can't do	105
7.Don't do	138

RwSHOPH: R Gets Help-Shop for groceries

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			3	1	2	1	2			4
.J=Web interview, missing										
.M=Oth missing			39	28	24	7	10	7	9	135
.R=RF			3	5	2		6	3	1	7
.X=Don't do							7			
0.No			16374	19291	17670	16247	18127	16560	15471	19775
1.Yes			1572	2059	1880	1910	1976	1899	1736	2113
2.Can't do							1			

Value	w11	w12	w13	w14	w15	w16
.D=DK	4	10	1	4	4	6
.J=Web interview, missing				1	1	
.M=Oth missing	18	17	37	30	78	67
.R=RF	2		1	5	1	2
.X=Don't do						
0.No	18452	16778	18843	15475	14131	14122
1.Yes	2078	1942	2030	1631	1508	1590
2.Can't do						

SwSHOPH: S Gets Help-Shop for groceries

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK					1		1			2
.J=Web interview, missing										
.M=Oth missing			14	7	5	3	1	1	2	81
.R=RF			2		1		4	2	1	3
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR			417	536	311	220	380	317	365	724
.X=Don't do							5			
0.No			11224	13138	11954	10906	12187	10968	10002	12578
1.Yes			677	835	769	730	773	764	641	849
2.Can't do							1			

Value	w11	w12	w13	w14	w15	w16
.D=DK	2	2		2	2	3
.J=Web interview, missing				1		
.M=Oth missing	4	4	7	6	11	13
.R=RF	1		1	1	1	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406

.X=Don't do						
0.No	11622	10248	10991	8727	7905	7286
1.Yes	855	758	780	621	558	536
2.Can't do						

RwMEALS: R Diff-Preparing hot meals

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			1	1	3	3	2		2	6
.J=Web interview, missing										
.M=Oth missing			36	28	24	7	10	7	9	135
.R=RF			3	5	3		5	3	1	6
0.No			15739	18781	17034	15689	17625	16216	15095	19648
1.Yes			688	844	761	775	764	765	744	1186
2.Can't do			293	326	278	291	276	252	205	129
7.Don't do			1231	1399	1475	1400	1447	1226	1161	924

Value	w11	w12	w13	w14	w15	w16
.D=DK	8	9	5	3	5	13
.J=Web interview, missing				7	2	6
.M=Oth missing	18	17	37	29	77	63
.R=RF	5	2	3	4		3
0.No	18341	16776	18880	15536	14298	14246
1.Yes	1238	1177	1207	1068	934	1034
2.Can't do	131	117	101	64	42	60
7.Don't do	813	649	679	435	365	362

SwMEALS: S Diff-Preparing hot meals

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK						2	1			2
.J=Web interview, missing										
.M=Oth missing			11	7	5	3	1	1	2	81
.R=RF			2		1		3	2	1	3
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR			417	536	311	220	380	317	365	724
0.No			10592	12506	11309	10343	11639	10577	9637	12393
1.Yes			320	389	351	336	367	373	314	534
2.Can't do			138	139	114	120	112	107	76	49
7.Don't do			854	939	950	835	849	675	616	451

Value	w11	w12	w13	w14	w15	w16
.D=DK	5	6	3	2	4	5
.J=Web interview, missing				5	2	
.M=Oth missing	4	4	7	6	11	14
.R=RF	1	1	1	1		2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	11485	10144	10965	8686	7916	7283
1.Yes	551	493	469	425	362	348
2.Can't do	58	42	40	28	19	25
7.Don't do	380	322	294	205	163	163

R2MEALSR: R Diff-Preparing hot meals

Value	w2
.M=Oth missing	1
.Q=Not asked this wave	11420
.R=RF	1
0.Able to do without help	7018
1.Unable to do without help	588
2.Can't do	179
7.Don't do	435

S2MEALSR: S Diff-Preparing hot meals

Value	w2
.M=Oth missing	1
.Q=Not asked this wave	9125
.U=Unmarried	5968
.V=Sp NR	200
0.Able to do without help	3676
1.Unable to do without help	262
2.Can't do	72
7.Don't do	338

RwMEALSH: R Gets Help-Preparing hot meals

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			1	1	1		1		2	1
.J=Web interview, missing										
.M=Oth missing			38	28	24	7	10	7	9	135
.R=RF			4	4	3		5	3	1	5
0.No			16960	19996	18225	16742	18704	17162	15964	20407
1.Yes			988	1355	1325	1416	1408	1297	1241	1486
2.Can't do							1			

Value	w11	w12	w13	w14	w15	w16
.D=DK	4	2	6	3	5	5
.J=Web interview, missing				3	1	
.M=Oth missing	18	17	37	29	77	66
.R=RF	3	1	1	3	2	2
0.No	19013	17345	19430	15972	14623	14624
1.Yes	1516	1382	1438	1136	1015	1090
2.Can't do						

SwMEALSH: S Gets Help-Preparing hot meals

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK							1		1	
.J=Web interview, missing										
.M=Oth missing			13	7	5	3	1	1	2	81
.R=RF			2		1		2	2	1	2
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR			417	536	311	220	380	317	365	724
0.No			11479	13406	12186	11092	12429	11214	10197	12837
1.Yes			423	567	538	544	538	518	445	593
2.Can't do							1			

Value	w11	w12	w13	w14	w15	w16
.D=DK	2		1	2	2	2
.J=Web interview, missing				3	1	
.M=Oth missing	4	4	7	6	11	12
.R=RF	1		1		1	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	11872	10483	11234	8896	8076	7439
1.Yes	605	525	536	451	386	385
2.Can't do						

REMEALSH: EXIT R got help-Preparing hot meals

Value	
.D=DK	60
.M=Oth missing	242
.Q=Not asked this wv	175
.R=RF	5
.S=Skip	6201
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	4146
1.Yes	4877
2.Couldn't do	378
7.Didn't do	1628

RESHOPH: EXIT R got help-Shop for grocery

Value	
.D=DK	73
.M=Oth missing	420
.Q=Not asked this wv	175
.R=RF	6
.S=Skip	6201
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	3738
1.Yes	4749
2.Couldn't do	424
7.Didn't do	1926

REPHONEH: EXIT R got help-Use telephone

Value	
.D=DK	128
.M=Oth missing	17
.Q=Not asked this wv	175
.R=RF	6
.S=Skip	273
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	10101
1.Yes	4704
2.Couldn't do	696
7.Didn't do	1612

REMEDSH: EXIT R got help-Take medications

Value	
.D=DK	79
.M=Oth missing	242
.Q=Not asked this wv	175
.R=RF	6
.S=Skip	5764
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	5228
1.Yes	6011
2.Couldn't do	72
7.Didn't do	135

REMONEYH: EXIT R got help-Managing money

Value	
.D=DK	97
.M=Oth missing	291
.Q=Not asked this wv	175
.R=RF	8
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	5630
1.Yes	10017
2.Couldn't do	311
7.Didn't do	1183

How Constructed

Core Interview Variables

These variables recode the raw variables for difficulty with instrumental activities of daily living (IADLs) as they appear in the HRS data except for missing values and accounting for skip patterns. Some measures described here are not normally used as IADLs but are included with them because they seemed to serve a similar measurement function in Wave 1. The measures described here are using the phone (RwPHONE), taking medications (RwMEDS), managing money (RwMONEY), shopping for groceries (RwSHOP), preparing meals (RwMEALS), using a map (RwMAP), using a calculator (RwCALC), using a microwave (R1MCWV), and using a computer (R1COMP). In the following, references to Rw[iadl] apply to all these variables.

Respondents are asked about different IADL activities in Waves 1 and 2 than in the rest of the waves. Wave 1 asks about using a map, a calculator, a microwave, and a computer, but not about preparing meals, shopping for groceries, using the phone, taking medications, or managing money, which are activities normally considered IADLs. From Wave 2 forward, the questions about using a microwave or a computer are dropped, but using the phone, taking medications, and managing money are added. In Wave 2A and from Wave 3 forward, the questions about using a calculator are not asked, but shopping for groceries and preparing meals are added. Using a map is asked in Wave 1, Wave 2H, and Wave 3 to Wave 15; it is not asked in Wave 2A and is dropped in Wave 16. From Wave 3 to Wave 15, the set of IADLs is consistent and includes using the phone, taking medications, managing money, shopping for groceries, preparing meals, and using a map. From Wave 16 forward, the question about using a map (RwMAP) is dropped but the rest of the IADLs are consistent.

In Wave 2A and 2H, the questions are asked differently and result in different raw recodes. The Wave 2H variables are named as they are in other waves (R2[iadl], e.g., R2PHONE) and the Wave 2A variables recoded raw variables are named R2[iadl]R, e.g., R2PHONER. For HRS Respondents in Wave 2, the R2[iadl]R variables are set to .Q, and similarly, for AHEAD Respondents in Wave 2, the R2[iadl] variables are set to .Q.

To summarize, R1MCWV and R1COMP are available only in Wave 1; RwCALC is only available in Waves 1 and 2H; R2PHONE, R2MEDS, and R2MONEY are available for Wave 2H; R2PHONER, R2MEDSR, R2MONEYR, R2SHOPR, and R2MEALSR are available for Wave 2A; RwPHONE, RwMEDS, RwMONEY, RwSHOP and RwMEALS are available from Wave 3 forward; and RwMAP is available in Wave 1, Wave 2H, and Wave 3 to Wave 15.

In addition the categories for Rw[iadl] variables are uniquely different from other waves in Waves 1, 2H, and 2A.

The recodes vary across waves because the question and responses can vary across waves. In Wave 1, the HRS imputations are left in place. In all other waves don't know is recoded to special missing code .D and refused is recoded to .R.

In Wave 1 difficulty with an ADL is rated on a 4-point scale from no difficulty to very difficult/can't do. These are assigned without change. A "don't do" answer is recoded to "7."

In Wave 2H, the question asks if the Respondent has any difficulty with an IADL and if so, asks follow-up questions about the degree of difficulty. The raw variable codes both questions as one categorical variable. A "no" answer to the first question about any difficulty is recoded to "0" and the categorical levels of difficulty are recoded appropriately to "yes, a little," "yes, a lot," "yes, don't know how much," or "yes, refused how much." A "don't do" response is coded as "7."

In Wave 2A, except for managing money, the questions begin with "Are you able to do ... without help?" If the response is "don't do" then a follow-up question asks if this is because of a health problem. If the response to the first question is yes, then R2[iadl]R is set to "0," able to do without help. If the response is no, i.e., not able to do without help, R2[iadl]R is set to "1," unable to do without help. If the Respondent indicates that they don't do the activity because of a health problem, R2[iadl]R is set to "2" for can't do. If it is not because of a health problem, R2[iadl]R is set to "7," doesn't do. The follow-up question about any difficulty was asked for these IADLS as a group, i.e., preparing meals, shopping for groceries, making telephone calls and taking medications all together. Because it is impossible to separate answers for specific IADLs, we don't use this question.

For managing money in Wave 2A, the initial question asks about being able to manage money without help. If the response is no, a follow-up question asks if this is because of a health problem. If the response to the first question is yes, then R2MONEYR is set to "0," able to do without help. If the response is no, and the Respondent indicates that it is because of a health problem, then R2MONEYR is set to "1," unable to do without help. If not because of a health problem then R2MONEYR is set to"7," doesn't do.

From Wave 3 to Wave 15 there is just one question about difficulty using a map. RwMAP is set to "1" for any difficulty (yes), "0" for "no difficulty, "2" for "can't do, "7" for "don't do," .D for don't know, .R for refuse, and .S if the question was not asked. The question about using maps is dropped in Wave 16.

From Wave 3 forward for other activities, follow-up questions for "can't do" or "don't do" responses are used in deriving Rw[iadl]. Except for taking medications from Wave 4 forward, Rw[iadl] is derived as follows. If the Respondent answers yes or no to the first question about having any difficulty, then Rw[iadl] is set to "1" for yes, difficulty or "0" for no difficulty, respectively. A don't know or refuse response is set to .D or .R, respectively, and if the question is not answered, Rw[iadl] is set to .S.

From Wave 4 forward for taking medications, the recoding uses three questions. If the Respondent answers yes to the first question about having any difficulty, RwMEDS is set to "1" for "any difficulty." If the answer is no, RwMEDS is set to "0" for "no difficulty." A "don't know" or "refuse" response is set to .D or .R, respectively, and if the question is not answered, Rw[iadl] is set to .S.

If the Respondent answers "don't do" to the first question, a second question asks if they would have difficulty if they took medications. If the answer is no, then RwMEDS is set to .Z to indicate the Respondent doesn't take medications but says they wouldn't have difficulty if they did.

If the answer to the second question is yes or if the Respondent answers "can't do" to the first question, a third question asks whether it is because of a health problem. If the answer is "yes" and the Respondent said "can't do" to the first question, RwMEDS is set to "2" for "can't do." If the answer is "yes" and the Respondent doesn't take medications but said they would have difficulty if they did, RwMEDS is set to "1" for "yes, difficulty." If the answer is "no" it is considered a "don't do" response.

From Wave 3 forward, there are questions about getting help with all IADLs except reading a map (RwMAP). The help variables are named Rw[iadl]H, e.g., RwPHONEH, RwMEDSH, RwMONEYH, RwSHOPH, and RwMEALSH. These are coded "1" for "yes," "0" for "no," .D for "don't know," and .R for "refuse." If the Respondent reported "no difficulty," the help question is skipped, and the help variable (e.g., RwPHONEH) is set to "0" for "no help." If the Respondent reported "don't do" for RwMEDS but also that they would not have difficulty if they did per the medication difficulty follow-up question (i.e. RwMEDS=.Z=Don't do/No if did), RwMEDSH is imputed to "0" for "no help." If the Respondent is in a nursing home, the question about getting help with meals, meds, and shopping are skipped. In these cases, RwMEDSH, RwSHOPH, and RwMEALSH are set to "1" for "yes."

In Wave 2A, the question about getting help is posed differently and in Wave 2H, the data needed to derive the help variables are not collected. Therefore, the Wave 2 IADL help variables(R2[iadl]H) are not available.

The spouse variables are taken from the spouse's self-reported Wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond then the variables are set to .V=Spouse is non-response.

There are other versions of the Rw[iadl] variables that recode to a yes/no measure for use in creating indices. One version of this variable is derived that attempts to code a consistent cross-wave yes/no dummy that indicates "any difficulty" (Rw[iadl]A). These are available from Wave 2 forward. Because of the inconsistent coding of the underlying HRS data, we do not construct R1[iadl]A variables in Wave 1. Please see the description of the Rw[iadl]A variables under "Instrumental activities of daily living (IADLs): Any difficulty" for this version. Rw[iadl]A variables are used to construct an IADL summary index. Please see "IADL Summary."

A third version of these variables are derived for Wave 1 only (R1[iadl]W). They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper. These are provided for comparison to the results found in that paper. Please see "IADLs: Recodes for comparison to Wallace and Herzog" for a description of the R1MAPW, R1CALCW, R1MCWVW, and R1COMPW variables. Note that the Wallace and Herzog variables result in more limitation than the 0/1 recodes done in other waves (Rw[iadl]A) solely due to measurement differences in the raw data. The R1[iadl]W variables are not appropriate for comparison to the Rw[iadl]A variables in other waves.

Exit Interview Variables

These variables recode the raw variables for whether the Respondent received help with instrumental activities of daily living (IADLs) in the last three months of life. The IADLs include help preparing hot meals (REMEALSH), shopping for groceries (RESHOPH), using the phone (REPHONEH), taking medication (REMEDSH), and managing money (REMONEYH).

When asked about whether the Respondent received help with ADLs, the proxy may reply that the Respondent couldn't do or didn't do the activity. A "couldn't do" response is set to 2 and a "didn't do" response is set to "7."

The questions about receiving help are not asked in Wave 2H. The variables RE[iadl]H are set to .Q if the Respondent's Exit Interview took place in Wave 2H.

If the Respondent was living in a nursing home at the time of their death the IADL help questions are skipped and the variables RE[iadl]H are set to .S. From Waves 3 to 5, if the Respondent was bedridden around their time of death, the IADL help questions are skipped and the variables RE[iadl]H are set to .S. Bedridden is defined as spending 86 or more days in bed for more than half the day during the last three months before death. Please see "How Constructed" for REBEDRID for more information on bedridden status.

The exact wording for the IADLs in the help question is: preparing a hot meal; shopping for groceries; making phone calls; taking medications; managing your money - such as paying your bills and keeping track of expenses.

Cross Wave Differences in Original HRS Data

Core Interview Variables

Each wave has a series of questions about limits on instrumental activities of daily living (IADLs), but the specific activities, the question wording, and possible answers vary across waves. Some measures described here are not normally used as IADLs but are included with them because they seemed to serve a similar measurement function in Wave 1. The IADL measures described here are: using the phone (RwPHONE), taking medications (RwMEDS), managing money (RwMONEY), shopping for groceries (RwSHOP), preparing meals (RwMEALS), using a map (RwMAP), using a calculator (RwCALC), using a microwave (R1MCWV), and using a computer (R1COMP).

Respondents are asked about different IADL activities in Waves 1 and 2 than in the rest of the waves. Wave 1 asks about using a map, a calculator, a microwave, and a computer, but not about preparing meals, shopping for groceries, using the phone, taking medications, or managing money, which are activities normally considered IADLs. From Wave 2 forward, the questions about using a microwave or a computer are dropped, but using the phone, taking medications, and managing money are added. In Wave 2A and from Wave 3 forward, the questions about using a calculator are not asked, but shopping for groceries and preparing meals are added. Using a map is asked in Wave 1, Wave 2H, and Wave 3 to Wave 15; it is not asked in Wave 2A and is dropped in Wave 16. From Wave 3 to Wave 15, the set of IADLs is consistent and includes using the phone, taking medications, managing money, shopping for groceries, preparing meals, and using a map. From Wave 16 forward, the question about using a map (RwMAP) is dropped but the rest of the

IADLs are consistent.

The question wording and answers also varied across waves. The Wave 1 questions ask:

"Here are some other activities that people may have difficulty with. How difficult is it for you to [...]?"

The Respondent can answer "not at all difficult," "a little difficult," "somewhat difficult," "very difficult/can't do," or "don't do." The answers translate into 4 codes from 1 for "not at all difficult" to 4 for "very difficult/can't do." Another code is used for the "don't do" response. The specific wording for the IADLs is: use a map to figure out how to get around a strange place, use a microwave oven after reading the instructions, use a calculator to help balance your checkbook, and use a computer or word processor.

In Wave 2H the question wording is similar to that in Wave 1 but is asked in 2 parts:

1) "Here are some other activities that people may have difficulty with. Do you have any difficulty with ...?" The Respondent can answer "yes" or "no."

2) [IF YES] "Is that a little difficulty or a lot of difficulty?"

In the data the answers to the two-part question are recoded into 5-categories: 1=yes, a little difficult; 2=yes, a lot; 3=yes, DK; 4=yes, RF; 5=No; 6=doesn't do. Note that there is no "Can't do" category and that "Don't do" is not an option in the instrument. The "doesn't do" category is likely the result of post-interview interpretation of interview comments, therefore are observed less frequently than in other waves, simply because of questionnaire differences. This difference is considerable among the IADLs. The specific wording for the IADLs is: using a map to figure out how to get around a strange place, using a calculator to help balance your checkbook, managing your money, making telephone calls, and following instructions for taking prescription medications.

In Wave 2A, the questions are asked differently for managing money and for other IADLs. The section is prefaced with the following:

"Here are a few other daily activities which some people have difficulty with. Please tell me whether you are able to do each activity without help from anyone else. If you don't do the activity at all, just tell me so."

Except for managing money, the IADL questions ask:

"Are you able to ... without help? [IF DON'T DO] Is that because of a health problem?"

If the Respondent reports being able to do any one of these activities without help, a question asks:

"Without help do you have any difficulty with [list of all applicable IADLs]?" [IF YES] "Is that a little or a lot of difficulty?"

The specific wording for these activities is: prepare(ing) hot meals, shop(ping) for groceries, make(ing) telephone calls, and take(ing) medications.

For managing money the Wave 2A questions ask:

1) "Do you manage your money-such as paying your bills and keeping track of expenses, without anyone's help?"

2) [IF NO] "Is that because of a health or memory condition?"

3) [IF YES, DK, or RF to Q1, or YES to Q2] "Do you have any difficulty managing your money (when someone is helping you/without help)?"

4) [IF YES to Q3] "Is that a little or a lot of difficulty?"

From Wave 3 forward, the question wording is again similar to that in Wave 1, but is prefaced with additional text. The question asks:

"Here are a few other activities which some people have difficulty with because of a physical, mental, emotional, or memory problem. Please tell me if you have any difficulty with each activity I name. If you don't do the activity at all, just tell me so. Exclude any difficulties you expect to last less than three months."

For using a map the question in Wave 3 is: "Do you have any difficulty using a map to figure out how to get around in a strange place?" From Wave 4 to Wave 15, this is prefaced with "Because of a health or memory problem...." Responses may be "yes," "no," "can't do," or "don't do." The using a map question is dropped from Wave 16 forward.

For other IADLs, a series of questions may be asked:

1) "Because of a health or memory problem do you have any difficulty with ...?" The Respondent can answer "yes," "no," "can't do," or "don't do." In Wave 3, for taking medications, the wording for "don't do" is "don't take medications."

2) For taking medications, from Wave 4 forward, [If DON'T DO to Q1] "Do you think you would have any difficulty taking medications if you needed to do so?"

3) [If YES, DK, or RF to Q2 for taking medications from Wave 4 forward; CAN'T DO to Q1 for taking medications in Wave 3; or CAN'T DO or DON'T DO to Q1 for all other activities] "Is that because of a health or memory problem?" The Respondent can answer "yes" or "no." In Wave 3A, this question is also asked if the response to Q1 is "don't know" or "refuse." In Wave 3A and 3H, this question is skipped for a "don't take medications" response. From Wave 4 forward, whether the question is asked depends on the answer to Q2 for taking medications if Q1 had a "don't do" response.

4) [If YES, DK, or RF to Q1 or Q3] "Does anyone help you ...?" The Respondent can answer "yes" or "no." In Wave 3, this question is not asked for managing money when the Q1 response is DK or RF. From Wave 4 forward this question is not asked if the Respondent is living in a nursing home. In Wave 7, a mistake in the Spanish instrument allowed "can't do" and "don't do" responses for the help questions, and a few of these responses are given for all of the IADLs except help with medications and money.

The specific wording for these activities is: prepare(ing) a hot meal, shop(ping) for groceries, make(ing) phone calls, take(ing) medications, and manage(ing) your money – such as paying your bills and keeping track of expenses.

Exit Interview Variables

From Waves 3 to 5, these questions are skipped in the survey if the Respondent was bedridden around their time of death. From Wave 6 forward, these questions are asked even if the Respondent was bedridden around their time of death.

HRS Variables Used

Core Interview Variables

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HRS 1992:
    V321            B5A:USE MAP, STRNG P:IMP
    V322            B5B:USE MCRWV W/ INS:IMP
    V323            B5C:USE CALCULATOR  :IMP
    V324            B5D:USE COMPUTER    :IMP
AHEAD 1993:
    B903A1          E52. IADL W/OUT HELP-PREPARE HOT MEAL
    B903A2          E52. IADL W/OUT HELP-SHOP FOR GROCERIES
    B903A3          E52. IADL W/OUT HELP-MAKE PHONE CALLS
    B903A4          E52. IADL W/OUT HELP-TAKE MEDICATIONS
    B904A1          E52a. IADL WHY DONT-PREPARE HOT MEALS
    B904A2          E52a. IADL WHY DONT-SHOP FOR GROCERIES
    B904A3          E52a. IADL WHY DONT-MAKE PHONE CALLS
    B904A4          E52a. IADL WHY DONT-TAKE MEDICATIONS
    B948            E57. IADL MONEY
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    B949            E57a. MONEY WHY CANT
HRS 1994:
    W323            B5.USING A MAP
    W324            B5a.USING A CALCULATOR
    W325            B5b.MANAGING MONEY
    W326            B5c.MAKING TELEPHONE CAL
    W327            B5d.TAKING PRESCRIPTION
AHEAD 1995:
    D2012           E93.MAPS
    D2021           E95.IADL MEALS DIFF
    D2023           E95B.MEALS -WHY DONT
    D2026           E96.IADL GROC DIFF
    D2028           E96B.GROC -WHY DONT
    D2031           E97.IADLS PHONE DIFF
    D2033           E97B.PHONE -WHY DONT
    D2036           E98.IADLS MEDICATION DIFF
    D2038           E98B.MED-WHY DONT
    D2099           E106.IADL MONEY DIFF
    D2100           E106A.MONEY HEALTH PROBLEM
HRS 1996:
    E2027           E93.MAPS
    E2036           E95.IADL MEALS DIFF
    E2038           E95B.MEALS -WHY DONT
    E2041           E96.IADL GROC DIFF
    E2043           E96B.GROC -WHY DONT
    E2046           E97.IADLS PHONE DIFF
    E2048           E97B.PHONE -WHY DONT
    E2051           E98.IADLS MEDICATION DIFF
    E2053           E98B.MED-WHY DONT
    E2093           E106.IADL MONEY DIFF
    E2094           E106A.MONEY HEALTH PROBLEM
HRS 1998:
    F2553           E93.MAPS
    F2562           E95.IADL MEALS DIFF
    F2564           E95B.MEALS -WHY DONT
    F2567           E96.IADL GROC DIFF
    F2569           E96B.GROC -WHY DONT
    F2572           E97.IADLS PHONE DIFF
    F2574           E97B.PHONE -WHY DONT
    F2577           E98.IADLS MEDICATION DIFF
    F2578           E98A
    F2579           E98B.MED-WHY DONT
    F2618           E106.IADL MONEY DIFF
    F2619           E106A.MONEY HEALTH PROBLEM
HRS 2000:
    G2851           E93.MAPS
    G2860           E95.IADL MEALS DIFF
    G2862           E95B.MEALS -WHY DONT
    G2865           E96.IADL GROC DIFF
    G2867           E96B.GROC -WHY DONT
    G2870           E97.IADLS PHONE DIFF
    G2872           E97B.PHONE -WHY DONT
    G2875           E98.IADLS MEDICATION DIFF
    G2876           E98A.IADLS MED IF NEEDED DIFF
    G2877           E98B.MED-WHY DONT
    G2916           E106.IADL MONEY DIFF
    G2917           E106A.MONEY HEALTH PROBLEM
HRS 2002-2020:
    xG040           DIFFICULTY- USING MAPS
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HRS 2002-2022:
    xG041           IADL MEAL PREPARATION DIFFICULTY
    xG042           WHY- MEAL PREPARATION DIFFICULTY
    xG043           IADL MEAL PREPARATION HELP
    xG044           IADL GROC SHOP DIFFICULTY
    xG045           WHY- GROC SHOP DIFFICULTY
    xG046           IADL GROC SHOP HELP
    xG047           IADL MAKING PHONE CALLS DIFFICULTY
    xG048           WHY- MAKING PHONE CALLS DIFFICULTY
    xG049           IADL MAKING PHONE CALLS HELP
    xG050           IADL TAKING MEDICATION DIFFICULTY
    xG051           IADL TAKING MEDS IF NEEDED DIFFICULTY
    xG052           WHY-  TAKING MEDICATIONS DIFFICULTY
    xG053           IADL TAKING MEDICATIONS HELP
    xG059           IADL MANAGING MONEY DIFFICULTY
    xG060           WHY- MANAGING MONEY DIFFICULTY
    xG061           IADL MANAGING MONEY HELP
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Exit Interview Variables

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AHEAD 1995:
    N2011           E95x.IADL MEALS HELP
    N2019           E96x.IADL GROC HELP
    N2027           E97x.IADL PHONE HELP
    N2035           E98x.IADL MED HELP
    N2102           E106cx.IADL MONEY WHO HELP,1
HRS 1996:
    P1549           E95x.IADL MEALS HELP
    P1557           E96x.IADL GROC HELP
    P1565           E97x.IADL PHONE HELP
    P1573           E98x.IADL MED HELP
    P1640           E106cx.IADL MONEY WHO HELP,1
HRS 1998:
    Q2010           E95x.IADL MEALS DIFF
    Q2020           E96x.IADL GROC DIFF
    Q2030           E97x.IADLS PHONE DIFF
    Q2040           E98x.IADLS MEDICATION DIFF
    Q2084           E106x.IADL MONEY DIFF
HRS 2000:
    R2002           E95x.IADL MEALS DIFF
    R2012           E96x.IADL GROC DIFF
    R2022           E97x.IADLS PHONE DIFF
    R2032           E98x.IADLS MEDICATION DIFF
    R2077           E106x.IADL MONEY DIFF
HRS 2002-2022:
    xG043           IADL MEAL PREPARATION HELP
    xG046           IADL GROC SHOP HELP
    xG049           IADL MAKING PHONE CALLS HELP
    xG053           IADL TAKING MEDICATIONS HELP
    xG061           IADL MANAGING MONEY HELP
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Instrumental Activities of daily living (IADLs): Time Helped Before Death

Wave	Variable	Label	Type
E	REMEALST	REMEALST:EXIT Time R got help-Preparing hot meals	Cont
E	RESHOPT	RESHOPT:EXIT Time R got help-Shop for grocery	Cont
E	REPHONET	REPHONET:EXIT Time R got help-Use telephone	Cont
E	REMEDST	REMEDST:EXIT Time R got help-Take medications	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
REMEALST	5403	27.93	89.15	-292.0	1158.0
RESHOPT	5747	27.07	65.80	-4.0	1104.0
REPHONET	6084	21.24	63.97	-181.0	1134.0
REMEDST	5795	18.67	48.66	-360.0	1128.0

How Constructed

These variables indicate the amount of time, in months, that the Respondent was helped with instrumental activities of daily living (IADLs) prior to death. The IADLs include help preparing hot meals (REMEALSH), shopping for groceries (RESHOPH), using the phone (REPHONEH), taking medication (REMEDSH), and managing money (REMONEYH).

The proxy is asked how long the Respondent needed help with an IADL if the Respondent received help for that ADL in their last three months of life, or if the Respondent couldn't do or didn't do that IADL.

Proxies who answer the amount of time question can answer in 4 different ways. Responses can be of the form (1) Number of Months Helped; (2) Number of Years Helped; (3) Age Received Help Since; (4) Year Received Help Since. The variables RE[iadl]T are reported in number of months. If the proxy reports Number of Months, this value is used. If the proxy reports Number of Years, this value divided by 12 is used.

If the proxy reports Since Age, the date started receiving help is calculated as the day the Respondent turned that age. If the proxy reports Since Year, the date started receiving help is calculated as January 1 of that year. These dates are then compared to the death date of the Respondent.

If the proxy didn't report that the Respondent had difficulty with, didn't do or couldn't do the corresponding IADL, the IADL time question is skipped and the variable RE[iadl]T is set to .S.

The questions about length of time needing help are not asked in Wave 2H. The variables RE[iadl]T are set to .Q if the Respondent's Exit Interview took place in Wave 2H.

Cross Wave Differences in Original HRS Data

In Wave 2H, proxies are not asked questions about length of time Respondents needed help with IADLs; therefore, RE[iadl]T variables are set to .Q if the Respondent's Exit Interview took place in Wave 2H.

HRS Variables Used

Exit Interview Variables

```
AHEAD 1995:
    N2014           E95gx.MEAL HELP WHEN
    N2015           E95hx.MEAL YEARS
    N2016           E95hx.MEAL SINCE AGE
    N2017           E95hx.MEAL SINCE YEAR
    N2022           E96gx.SHOP HELP WHEN
    N2023           E96hx.SHOP YEARS
    N2024           E96hx.SHOP SINCE AGE
    N2025           E96hx.SHOP SINCE YEAR
    N2030           E97gx.PHONE HELP WHEN
    N2031           E97hx.PHONE YEARS
    N2032           E97hx.PHONE SINCE AGE
    N2033           E97hx.PHONE SINCE YEAR
    N2038           E98gx.MEDICATION HELP WHEN
    N2039           E98hx.MEDICATION YEARS
    N2040           E98hx.MEDICATION SINCE AGE
    N2041           E98hx.MEDICATION SINCE YEAR
HRS 1996:
    P1552           E95gx.MEAL HELP WHEN
    P1553           E95hx.MEAL YEARS
    P1554           E95hx.MEAL SINCE AGE
    P1555           E95hx.MEAL SINCE YEAR
    P1560           E96gx.SHOP HELP WHEN
    P1561           E96hx.SHOP YEARS
    P1562           E96hx.SHOP SINCE AGE
    P1563           E96hx.SHOP SINCE YEAR
    P1568           E97gx.PHONE HELP WHEN
    P1569           E97hx.PHONE YEARS
    P1570           E97hx.PHONE SINCE AGE
    P1571           E97hx.PHONE SINCE YEAR
    P1576           E98gx.MEDICATION HELP WHEN
    P1577           E98hx.MEDICATION YEARS
    P1578           E98hx.MEDICATION SINCE AGE
    P1579           E98hx.MEDICATION SINCE YEAR
HRS 1998:
    Q2013           E95gx.MEALS HELP WHEN
    Q2014           E95hx.MEALS YEARS
    Q2015           E95hx.MEALS SINCE AGE
    Q2016           E95hx.MEALS SINCE YEAR
    Q2023           E96gx.GROC HELP WHEN
    Q2024           E96hx.GROC YEARS
    Q2025           E96hx.GROC SINCE AGE
    Q2026           E96hx.GROC SINCE YEAR
    Q2033           E97gx.PHONE HELP WHEN
    Q2034           E97hx.PHONE YEARS
    Q2035           E97hx.PHONE SINCE AGE
    Q2036           E97hx.PHONE SINCE YEAR
    Q2042           E98gx.MED HELP WHEN
    Q2043           E98hx.MED YEARS
    Q2044           E98hx.MED SINCE AGE
    Q2045           E98hx.MED SINCE YEAR
HRS 2000:
    R2005           E95gx.MEALS HELP WHEN
    R2006           E95hx.MEALS YEARS
    R2007           E95hax.MEALS SINCE AGE
    R2008           E95hbx.MEALS SINCE YEAR
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    R2015           E96gx.GROC HELP WHEN
    R2016           E96hx.GROC YEARS
    R2017           E96hax.GROC SINCE AGE
    R2018           E96hbx.GROC SINCE YEAR
    R2025           E97gx.PHONE HELP WHEN
    R2026           E97hx.PHONE YEARS
    R2027           E97hax.PHONE SINCE AGE
    R2028           E97hbx.PHONE SINCE YEAR
    R2034           E98gx.MED HELP WHEN
    R2035           E98hx.MED YEARS
    R2036           E98hax.MED SINCE AGE
    R2037           E98hbx.MED SINCE YEAR
HRS 2002-2022:
    xG153           HELP HOT MEALS- MONTHS
    xG154           HELP HOT MEALS- YEARS
    xG155           HELP HOT MEALS- SINCE AGE
    xG156           HELP HOT MEALS- SINCE YEAR
    xG157           HELP GROC SHOPPING- MONTHS
    xG158           HELP GROC SHOPPING- YEARS
    xG159           HELP GROC SHOPPING- SINCE AGE
    xG160           HELP GROC SHOPPING- SINCE YEAR
    xG162           HELP PHONE CALLS- MONTHS
    xG163           HELP PHONE CALLS- YEARS
    xG164           HELP PHONE CALLS- SINCE AGE
    xG165           HELP PHONE CALLS- SINCE YEAR
    xG166           HELP W/ MEDICATION- MONTHS
    xG167           HELP W/ MEDICATION- YEARS
    xG168           HELP W/ MEDICATION- SINCE AGE
    xG169           HELP W/ MEDICATION- SINCE YEAR
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Instrumental activities of daily living (IADLs): Any difficulty

Wave	Variable	Label	Type
2	R2MAPA	R2MAPA:W2 R Any Diff-Use a map	Categ
3	R3MAPA	R3MAPA:W3 R Any Diff-Use a map	Categ
4	R4MAPA	R4MAPA:W4 R Any Diff-Use a map	Categ
5	R5MAPA	R5MAPA:W5 R Any Diff-Use a map	Categ
6	R6MAPA	R6MAPA:W6 R Any Diff-Use a map	Categ
7	R7MAPA	R7MAPA:W7 R Any Diff-Use a map	Categ
8	R8MAPA	R8MAPA:W8 R Any Diff-Use a map	Categ
9	R9MAPA	R9MAPA:W9 R Any Diff-Use a map	Categ
10	R10MAPA	R10MAPA:W10 R Any Diff-Use a map	Categ
11	R11MAPA	R11MAPA:W11 R Any Diff-Use a map	Categ
12	R12MAPA	R12MAPA:W12 R Any Diff-Use a map	Categ
13	R13MAPA	R13MAPA:W13 R Any Diff-Use a map	Categ
14	R14MAPA	R14MAPA:W14 R Any Diff-Use a map	Categ
15	R15MAPA	R15MAPA:W15 R Any Diff-Use a map	Categ
2	S2MAPA	S2MAPA:W2 S Any Diff-Use a map	Categ
3	S3MAPA	S3MAPA:W3 S Any Diff-Use a map	Categ
4	S4MAPA	S4MAPA:W4 S Any Diff-Use a map	Categ
5	S5MAPA	S5MAPA:W5 S Any Diff-Use a map	Categ
6	S6MAPA	S6MAPA:W6 S Any Diff-Use a map	Categ
7	S7MAPA	S7MAPA:W7 S Any Diff-Use a map	Categ
8	S8MAPA	S8MAPA:W8 S Any Diff-Use a map	Categ
9	S9MAPA	S9MAPA:W9 S Any Diff-Use a map	Categ
10	S10MAPA	S10MAPA:W10 S Any Diff-Use a map	Categ
11	S11MAPA	S11MAPA:W11 S Any Diff-Use a map	Categ
12	S12MAPA	S12MAPA:W12 S Any Diff-Use a map	Categ
13	S13MAPA	S13MAPA:W13 S Any Diff-Use a map	Categ
14	S14MAPA	S14MAPA:W14 S Any Diff-Use a map	Categ
15	S15MAPA	S15MAPA:W15 S Any Diff-Use a map	Categ
2	R2CALCA	R2CALCA:W2 R Any Diff-Use a calculator	Categ
2	S2CALCA	S2CALCA:W2 S Any Diff-Use a calculator	Categ
2	R2PHONEA	R2PHONEA:W2 R Any Diff-Use telephone	Categ
3	R3PHONEA	R3PHONEA:W3 R Any Diff-Use telephone	Categ
4	R4PHONEA	R4PHONEA:W4 R Any Diff-Use telephone	Categ
5	R5PHONEA	R5PHONEA:W5 R Any Diff-Use telephone	Categ
6	R6PHONEA	R6PHONEA:W6 R Any Diff-Use telephone	Categ
7	R7PHONEA	R7PHONEA:W7 R Any Diff-Use telephone	Categ
8	R8PHONEA	R8PHONEA:W8 R Any Diff-Use telephone	Categ
9	R9PHONEA	R9PHONEA:W9 R Any Diff-Use telephone	Categ
10	R10PHONEA	R10PHONEA:W10 R Any Diff-Use telephone	Categ
11	R11PHONEA	R11PHONEA:W11 R Any Diff-Use telephone	Categ
12	R12PHONEA	R12PHONEA:W12 R Any Diff-Use telephone	Categ
13	R13PHONEA	R13PHONEA:W13 R Any Diff-Use telephone	Categ
14	R14PHONEA	R14PHONEA:W14 R Any Diff-Use telephone	Categ
15	R15PHONEA	R15PHONEA:W15 R Any Diff-Use telephone	Categ
16	R16PHONEA	R16PHONEA:W16 R Any Diff-Use telephone	Categ
2	S2PHONEA	S2PHONEA:W2 S Any Diff-Use telephone	Categ
3	S3PHONEA	S3PHONEA:W3 S Any Diff-Use telephone	Categ
4	S4PHONEA	S4PHONEA:W4 S Any Diff-Use telephone	Categ
5	S5PHONEA	S5PHONEA:W5 S Any Diff-Use telephone	Categ
6	S6PHONEA	S6PHONEA:W6 S Any Diff-Use telephone	Categ
7	S7PHONEA	S7PHONEA:W7 S Any Diff-Use telephone	Categ
8	S8PHONEA	S8PHONEA:W8 S Any Diff-Use telephone	Categ
9	S9PHONEA	S9PHONEA:W9 S Any Diff-Use telephone	Categ
10	S10PHONEA	S10PHONEA:W10 S Any Diff-Use telephone	Categ
11	S11PHONEA	S11PHONEA:W11 S Any Diff-Use telephone	Categ
12	S12PHONEA	S12PHONEA:W12 S Any Diff-Use telephone	Categ
13	S13PHONEA	S13PHONEA:W13 S Any Diff-Use telephone	Categ
14	S14PHONEA	S14PHONEA:W14 S Any Diff-Use telephone	Categ
15	S15PHONEA	S15PHONEA:W15 S Any Diff-Use telephone	Categ
16	S16PHONEA	S16PHONEA:W16 S Any Diff-Use telephone	Categ

2	R2MONEYA	R2MONEYA:W2 R Any Diff-Managing money	Categ
3	R3MONEYA	R3MONEYA:W3 R Any Diff-Managing money	Categ
4	R4MONEYA	R4MONEYA:W4 R Any Diff-Managing money	Categ
5	R5MONEYA	R5MONEYA:W5 R Any Diff-Managing money	Categ
6	R6MONEYA	R6MONEYA:W6 R Any Diff-Managing money	Categ
7	R7MONEYA	R7MONEYA:W7 R Any Diff-Managing money	Categ
8	R8MONEYA	R8MONEYA:W8 R Any Diff-Managing money	Categ
9	R9MONEYA	R9MONEYA:W9 R Any Diff-Managing money	Categ
10	R10MONEYA	R10MONEYA:W10 R Any Diff-Managing money	Categ
11	R11MONEYA	R11MONEYA:W11 R Any Diff-Managing money	Categ
12	R12MONEYA	R12MONEYA:W12 R Any Diff-Managing money	Categ
13	R13MONEYA	R13MONEYA:W13 R Any Diff-Managing money	Categ
14	R14MONEYA	R14MONEYA:W14 R Any Diff-Managing money	Categ
15	R15MONEYA	R15MONEYA:W15 R Any Diff-Managing money	Categ
16	R16MONEYA	R16MONEYA:W16 R Any Diff-Managing money	Categ
2	S2MONEYA	S2MONEYA:W2 S Any Diff-Managing money	Categ
3	S3MONEYA	S3MONEYA:W3 S Any Diff-Managing money	Categ
4	S4MONEYA	S4MONEYA:W4 S Any Diff-Managing money	Categ
5	S5MONEYA	S5MONEYA:W5 S Any Diff-Managing money	Categ
6	S6MONEYA	S6MONEYA:W6 S Any Diff-Managing money	Categ
7	S7MONEYA	S7MONEYA:W7 S Any Diff-Managing money	Categ
8	S8MONEYA	S8MONEYA:W8 S Any Diff-Managing money	Categ
9	S9MONEYA	S9MONEYA:W9 S Any Diff-Managing money	Categ
10	S10MONEYA	S10MONEYA:W10 S Any Diff-Managing money	Categ
11	S11MONEYA	S11MONEYA:W11 S Any Diff-Managing money	Categ
12	S12MONEYA	S12MONEYA:W12 S Any Diff-Managing money	Categ
13	S13MONEYA	S13MONEYA:W13 S Any Diff-Managing money	Categ
14	S14MONEYA	S14MONEYA:W14 S Any Diff-Managing money	Categ
15	S15MONEYA	S15MONEYA:W15 S Any Diff-Managing money	Categ
16	S16MONEYA	S16MONEYA:W16 S Any Diff-Managing money	Categ
2	R2MEDSA	R2MEDSA:W2 R Any Diff-Take medications	Categ
3	R3MEDSA	R3MEDSA:W3 R Any Diff-Take medications	Categ
4	R4MEDSA	R4MEDSA:W4 R Any Diff-Take medications	Categ
5	R5MEDSA	R5MEDSA:W5 R Any Diff-Take medications	Categ
6	R6MEDSA	R6MEDSA:W6 R Any Diff-Take medications	Categ
7	R7MEDSA	R7MEDSA:W7 R Any Diff-Take medications	Categ
8	R8MEDSA	R8MEDSA:W8 R Any Diff-Take medications	Categ
9	R9MEDSA	R9MEDSA:W9 R Any Diff-Take medications	Categ
10	R10MEDSA	R10MEDSA:W10 R Any Diff-Take medications	Categ
11	R11MEDSA	R11MEDSA:W11 R Any Diff-Take medications	Categ
12	R12MEDSA	R12MEDSA:W12 R Any Diff-Take medications	Categ
13	R13MEDSA	R13MEDSA:W13 R Any Diff-Take medications	Categ
14	R14MEDSA	R14MEDSA:W14 R Any Diff-Take medications	Categ
15	R15MEDSA	R15MEDSA:W15 R Any Diff-Take medications	Categ
16	R16MEDSA	R16MEDSA:W16 R Any Diff-Take medications	Categ
2	S2MEDSA	S2MEDSA:W2 S Any Diff-Take medications	Categ
3	S3MEDSA	S3MEDSA:W3 S Any Diff-Take medications	Categ
4	S4MEDSA	S4MEDSA:W4 S Any Diff-Take medications	Categ
5	S5MEDSA	S5MEDSA:W5 S Any Diff-Take medications	Categ
6	S6MEDSA	S6MEDSA:W6 S Any Diff-Take medications	Categ
7	S7MEDSA	S7MEDSA:W7 S Any Diff-Take medications	Categ
8	S8MEDSA	S8MEDSA:W8 S Any Diff-Take medications	Categ
9	S9MEDSA	S9MEDSA:W9 S Any Diff-Take medications	Categ
10	S10MEDSA	S10MEDSA:W10 S Any Diff-Take medications	Categ
11	S11MEDSA	S11MEDSA:W11 S Any Diff-Take medications	Categ
12	S12MEDSA	S12MEDSA:W12 S Any Diff-Take medications	Categ
13	S13MEDSA	S13MEDSA:W13 S Any Diff-Take medications	Categ
14	S14MEDSA	S14MEDSA:W14 S Any Diff-Take medications	Categ
15	S15MEDSA	S15MEDSA:W15 S Any Diff-Take medications	Categ
16	S16MEDSA	S16MEDSA:W16 S Any Diff-Take medications	Categ
2	R2SHOPA	R2SHOPA:W2 R Any Diff-Shop for grocery	Categ
3	R3SHOPA	R3SHOPA:W3 R Any Diff-Shop for grocery	Categ
4	R4SHOPA	R4SHOPA:W4 R Any Diff-Shop for grocery	Categ
5	R5SHOPA	R5SHOPA:W5 R Any Diff-Shop for grocery	Categ
6	R6SHOPA	R6SHOPA:W6 R Any Diff-Shop for grocery	Categ
7	R7SHOPA	R7SHOPA:W7 R Any Diff-Shop for grocery	Categ
8	R8SHOPA	R8SHOPA:W8 R Any Diff-Shop for grocery	Categ
9	R9SHOPA	R9SHOPA:W9 R Any Diff-Shop for grocery	Categ

10	R10SHOPA	R10SHOPA:W10 R Any Diff-Shop for grocery	Categ
11	R11SHOPA	R11SHOPA:W11 R Any Diff-Shop for grocery	Categ
12	R12SHOPA	R12SHOPA:W12 R Any Diff-Shop for grocery	Categ
13	R13SHOPA	R13SHOPA:W13 R Any Diff-Shop for grocery	Categ
14	R14SHOPA	R14SHOPA:W14 R Any Diff-Shop for grocery	Categ
15	R15SHOPA	R15SHOPA:W15 R Any Diff-Shop for grocery	Categ
16	R16SHOPA	R16SHOPA:W16 R Any Diff-Shop for grocery	Categ
2	S2SHOPA	S2SHOPA:W2 S Any Diff-Shop for grocery	Categ
3	S3SHOPA	S3SHOPA:W3 S Any Diff-Shop for grocery	Categ
4	S4SHOPA	S4SHOPA:W4 S Any Diff-Shop for grocery	Categ
5	S5SHOPA	S5SHOPA:W5 S Any Diff-Shop for grocery	Categ
6	S6SHOPA	S6SHOPA:W6 S Any Diff-Shop for grocery	Categ
7	S7SHOPA	S7SHOPA:W7 S Any Diff-Shop for grocery	Categ
8	S8SHOPA	S8SHOPA:W8 S Any Diff-Shop for grocery	Categ
9	S9SHOPA	S9SHOPA:W9 S Any Diff-Shop for grocery	Categ
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12	S12SHOPA	S12SHOPA:W12 S Any Diff-Shop for grocery	Categ
13	S13SHOPA	S13SHOPA:W13 S Any Diff-Shop for grocery	Categ
14	S14SHOPA	S14SHOPA:W14 S Any Diff-Shop for grocery	Categ
15	S15SHOPA	S15SHOPA:W15 S Any Diff-Shop for grocery	Categ
16	S16SHOPA	S16SHOPA:W16 S Any Diff-Shop for grocery	Categ
2	R2MEALSA	R2MEALSA:W2 R Any Diff-Prepare hot meal	Categ
3	R3MEALSA	R3MEALSA:W3 R Any Diff-Prepare hot meal	Categ
4	R4MEALSA	R4MEALSA:W4 R Any Diff-Prepare hot meal	Categ
5	R5MEALSA	R5MEALSA:W5 R Any Diff-Prepare hot meal	Categ
6	R6MEALSA	R6MEALSA:W6 R Any Diff-Prepare hot meal	Categ
7	R7MEALSA	R7MEALSA:W7 R Any Diff-Prepare hot meal	Categ
8	R8MEALSA	R8MEALSA:W8 R Any Diff-Prepare hot meal	Categ
9	R9MEALSA	R9MEALSA:W9 R Any Diff-Prepare hot meal	Categ
10	R10MEALSA	R10MEALSA:W10 R Any Diff-Prepare hot meal	Categ
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13	R13MEALSA	R13MEALSA:W13 R Any Diff-Prepare hot meal	Categ
14	R14MEALSA	R14MEALSA:W14 R Any Diff-Prepare hot meal	Categ
15	R15MEALSA	R15MEALSA:W15 R Any Diff-Prepare hot meal	Categ
16	R16MEALSA	R16MEALSA:W16 R Any Diff-Prepare hot meal	Categ
2	S2MEALSA	S2MEALSA:W2 S Any Diff-Prepare hot meal	Categ
3	S3MEALSA	S3MEALSA:W3 S Any Diff-Prepare hot meal	Categ
4	S4MEALSA	S4MEALSA:W4 S Any Diff-Prepare hot meal	Categ
5	S5MEALSA	S5MEALSA:W5 S Any Diff-Prepare hot meal	Categ
6	S6MEALSA	S6MEALSA:W6 S Any Diff-Prepare hot meal	Categ
7	S7MEALSA	S7MEALSA:W7 S Any Diff-Prepare hot meal	Categ
8	S8MEALSA	S8MEALSA:W8 S Any Diff-Prepare hot meal	Categ
9	S9MEALSA	S9MEALSA:W9 S Any Diff-Prepare hot meal	Categ
10	S10MEALSA	S10MEALSA:W10 S Any Diff-Prepare hot meal	Categ
11	S11MEALSA	S11MEALSA:W11 S Any Diff-Prepare hot meal	Categ
12	S12MEALSA	S12MEALSA:W12 S Any Diff-Prepare hot meal	Categ
13	S13MEALSA	S13MEALSA:W13 S Any Diff-Prepare hot meal	Categ
14	S14MEALSA	S14MEALSA:W14 S Any Diff-Prepare hot meal	Categ
15	S15MEALSA	S15MEALSA:W15 S Any Diff-Prepare hot meal	Categ
16	S16MEALSA	S16MEALSA:W16 S Any Diff-Prepare hot meal	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2MAPA	11302	0.21	0.41	0.0	1.0
R3MAPA	15422	0.18	0.38	0.0	1.0
R4MAPA	18519	0.13	0.33	0.0	1.0
R5MAPA	16788	0.13	0.34	0.0	1.0
R6MAPA	15757	0.14	0.34	0.0	1.0
R7MAPA	17533	0.13	0.33	0.0	1.0

R8MAPA	16258	0.14	0.35	0.0	1.0
R9MAPA	15094	0.14	0.34	0.0	1.0
R10MAPA	20248	0.14	0.35	0.0	1.0
R11MAPA	19010	0.15	0.35	0.0	1.0
R12MAPA	17423	0.16	0.37	0.0	1.0
R13MAPA	19596	0.14	0.35	0.0	1.0
R14MAPA	16161	0.16	0.36	0.0	1.0
R15MAPA	14727	0.14	0.34	0.0	1.0
S2MAPA	8673	0.19	0.39	0.0	1.0
S3MAPA	10837	0.15	0.36	0.0	1.0
S4MAPA	12737	0.10	0.30	0.0	1.0
S5MAPA	11493	0.10	0.30	0.0	1.0
S6MAPA	10668	0.11	0.31	0.0	1.0
S7MAPA	11889	0.10	0.30	0.0	1.0
S8MAPA	10799	0.10	0.31	0.0	1.0
S9MAPA	9861	0.10	0.31	0.0	1.0
S10MAPA	12814	0.11	0.32	0.0	1.0
S11MAPA	11913	0.11	0.32	0.0	1.0
S12MAPA	10536	0.13	0.33	0.0	1.0
S13MAPA	11327	0.11	0.31	0.0	1.0
S14MAPA	9001	0.12	0.33	0.0	1.0
S15MAPA	8157	0.10	0.31	0.0	1.0
R2CALCA	11052	0.09	0.29	0.0	1.0
S2CALCA	8479	0.08	0.27	0.0	1.0
R2PHONEA	19586	0.04	0.19	0.0	1.0
R3PHONEA	17856	0.05	0.22	0.0	1.0
R4PHONEA	21247	0.05	0.22	0.0	1.0
R5PHONEA	19432	0.05	0.22	0.0	1.0
R6PHONEA	18066	0.06	0.23	0.0	1.0
R7PHONEA	20014	0.05	0.22	0.0	1.0
R8PHONEA	18380	0.05	0.23	0.0	1.0
R9PHONEA	17126	0.06	0.23	0.0	1.0
R10PHONEA	21838	0.06	0.23	0.0	1.0
R11PHONEA	20475	0.06	0.23	0.0	1.0
R12PHONEA	18688	0.06	0.24	0.0	1.0
R13PHONEA	20831	0.05	0.22	0.0	1.0
R14PHONEA	17082	0.05	0.21	0.0	1.0
R15PHONEA	15624	0.04	0.20	0.0	1.0
R16PHONEA	15690	0.04	0.20	0.0	1.0
S2PHONEA	13061	0.03	0.17	0.0	1.0
S3PHONEA	11855	0.04	0.19	0.0	1.0
S4PHONEA	13914	0.04	0.20	0.0	1.0
S5PHONEA	12658	0.04	0.19	0.0	1.0
S6PHONEA	11595	0.04	0.19	0.0	1.0
S7PHONEA	12915	0.03	0.18	0.0	1.0
S8PHONEA	11688	0.04	0.19	0.0	1.0
S9PHONEA	10599	0.04	0.19	0.0	1.0
S10PHONEA	13402	0.04	0.20	0.0	1.0
S11PHONEA	12450	0.04	0.20	0.0	1.0
S12PHONEA	10983	0.04	0.20	0.0	1.0
S13PHONEA	11747	0.04	0.19	0.0	1.0
S14PHONEA	9336	0.04	0.18	0.0	1.0
S15PHONEA	8455	0.03	0.17	0.0	1.0
S16PHONEA	7811	0.03	0.16	0.0	1.0

R2MONEYA	18864	0.07	0.26	0.0	1.0
R3MONEYA	17422	0.07	0.26	0.0	1.0
R4MONEYA	20744	0.07	0.25	0.0	1.0
R5MONEYA	18940	0.07	0.26	0.0	1.0
R6MONEYA	17584	0.08	0.27	0.0	1.0
R7MONEYA	19387	0.07	0.26	0.0	1.0
R8MONEYA	17772	0.08	0.27	0.0	1.0
R9MONEYA	16582	0.08	0.27	0.0	1.0
R10MONEYA	21302	0.09	0.29	0.0	1.0
R11MONEYA	20037	0.09	0.28	0.0	1.0
R12MONEYA	18275	0.09	0.29	0.0	1.0
R13MONEYA	20455	0.08	0.28	0.0	1.0
R14MONEYA	16770	0.08	0.27	0.0	1.0
R15MONEYA	15393	0.07	0.25	0.0	1.0
R16MONEYA	15460	0.07	0.26	0.0	1.0
S2MONEYA	12524	0.05	0.23	0.0	1.0
S3MONEYA	11453	0.04	0.21	0.0	1.0
S4MONEYA	13493	0.04	0.20	0.0	1.0
S5MONEYA	12222	0.04	0.20	0.0	1.0
S6MONEYA	11176	0.05	0.21	0.0	1.0
S7MONEYA	12392	0.04	0.21	0.0	1.0
S8MONEYA	11182	0.05	0.21	0.0	1.0
S9MONEYA	10162	0.05	0.21	0.0	1.0
S10MONEYA	12971	0.06	0.24	0.0	1.0
S11MONEYA	12101	0.06	0.23	0.0	1.0
S12MONEYA	10646	0.06	0.24	0.0	1.0
S13MONEYA	11460	0.06	0.23	0.0	1.0
S14MONEYA	9086	0.06	0.23	0.0	1.0
S15MONEYA	8278	0.05	0.21	0.0	1.0
S16MONEYA	7650	0.05	0.22	0.0	1.0
R2MEDSA	19417	0.04	0.19	0.0	1.0
R3MEDSA	16710	0.04	0.20	0.0	1.0
R4MEDSA	21320	0.04	0.19	0.0	1.0
R5MEDSA	19534	0.04	0.20	0.0	1.0
R6MEDSA	18146	0.04	0.21	0.0	1.0
R7MEDSA	20073	0.04	0.20	0.0	1.0
R8MEDSA	18450	0.05	0.21	0.0	1.0
R9MEDSA	17200	0.05	0.22	0.0	1.0
R10MEDSA	21861	0.05	0.21	0.0	1.0
R11MEDSA	20514	0.05	0.22	0.0	1.0
R12MEDSA	18702	0.05	0.22	0.0	1.0
R13MEDSA	20842	0.05	0.21	0.0	1.0
R14MEDSA	17083	0.04	0.20	0.0	1.0
R15MEDSA	15621	0.04	0.20	0.0	1.0
R16MEDSA	15697	0.04	0.21	0.0	1.0
S2MEDSA	12970	0.03	0.18	0.0	1.0
S3MEDSA	11069	0.03	0.17	0.0	1.0
S4MEDSA	13951	0.03	0.16	0.0	1.0
S5MEDSA	12716	0.03	0.16	0.0	1.0
S6MEDSA	11633	0.03	0.17	0.0	1.0
S7MEDSA	12952	0.03	0.17	0.0	1.0
S8MEDSA	11728	0.03	0.18	0.0	1.0
S9MEDSA	10639	0.03	0.18	0.0	1.0
S10MEDSA	13413	0.03	0.18	0.0	1.0
S11MEDSA	12475	0.03	0.18	0.0	1.0

S12MEDSA	10994	0.03	0.18	0.0	1.0
S13MEDSA	11760	0.03	0.18	0.0	1.0
S14MEDSA	9339	0.03	0.17	0.0	1.0
S15MEDSA	8457	0.03	0.17	0.0	1.0
S16MEDSA	7820	0.03	0.17	0.0	1.0
R2SHOPA	7992	0.18	0.39	0.0	1.0
R3SHOPA	17326	0.11	0.31	0.0	1.0
R4SHOPA	20643	0.11	0.31	0.0	1.0
R5SHOPA	18839	0.11	0.31	0.0	1.0
R6SHOPA	17518	0.11	0.31	0.0	1.0
R7SHOPA	19408	0.10	0.31	0.0	1.0
R8SHOPA	17869	0.11	0.32	0.0	1.0
R9SHOPA	16692	0.11	0.31	0.0	1.0
R10SHOPA	21525	0.11	0.31	0.0	1.0
R11SHOPA	20221	0.11	0.32	0.0	1.0
R12SHOPA	18449	0.12	0.32	0.0	1.0
R13SHOPA	20586	0.11	0.31	0.0	1.0
R14SHOPA	16904	0.11	0.31	0.0	1.0
R15SHOPA	15404	0.11	0.31	0.0	1.0
R16SHOPA	15526	0.11	0.32	0.0	1.0
S2SHOPA	4209	0.13	0.34	0.0	1.0
S3SHOPA	11444	0.07	0.26	0.0	1.0
S4SHOPA	13499	0.07	0.25	0.0	1.0
S5SHOPA	12246	0.07	0.26	0.0	1.0
S6SHOPA	11216	0.07	0.25	0.0	1.0
S7SHOPA	12490	0.07	0.25	0.0	1.0
S8SHOPA	11346	0.08	0.26	0.0	1.0
S9SHOPA	10332	0.07	0.26	0.0	1.0
S10SHOPA	13228	0.07	0.26	0.0	1.0
S11SHOPA	12307	0.08	0.27	0.0	1.0
S12SHOPA	10853	0.08	0.27	0.0	1.0
S13SHOPA	11617	0.08	0.27	0.0	1.0
S14SHOPA	9239	0.08	0.26	0.0	1.0
S15SHOPA	8355	0.08	0.26	0.0	1.0
S16SHOPA	7733	0.08	0.27	0.0	1.0
R2MEALSA	7785	0.10	0.30	0.0	1.0
R3MEALSA	17014	0.07	0.26	0.0	1.0
R4MEALSA	20291	0.07	0.26	0.0	1.0
R5MEALSA	18504	0.08	0.27	0.0	1.0
R6MEALSA	17154	0.09	0.28	0.0	1.0
R7MEALSA	19101	0.08	0.27	0.0	1.0
R8MEALSA	17636	0.08	0.27	0.0	1.0
R9MEALSA	16473	0.08	0.28	0.0	1.0
R10MEALSA	21348	0.08	0.27	0.0	1.0
R11MEALSA	20044	0.08	0.28	0.0	1.0
R12MEALSA	18348	0.09	0.28	0.0	1.0
R13MEALSA	20490	0.08	0.27	0.0	1.0
R14MEALSA	16827	0.08	0.27	0.0	1.0
R15MEALSA	15423	0.07	0.26	0.0	1.0
R16MEALSA	15502	0.08	0.27	0.0	1.0
S2MEALSA	4010	0.08	0.28	0.0	1.0
S3MEALSA	11146	0.05	0.22	0.0	1.0
S4MEALSA	13162	0.05	0.22	0.0	1.0
S5MEALSA	11931	0.05	0.22	0.0	1.0
S6MEALSA	10911	0.05	0.22	0.0	1.0

S7MEALSA	12239	0.05	0.22	0.0	1.0
S8MEALSA	11176	0.05	0.23	0.0	1.0
S9MEALSA	10150	0.05	0.22	0.0	1.0
S10MEALSA	13091	0.05	0.22	0.0	1.0
S11MEALSA	12182	0.06	0.23	0.0	1.0
S12MEALSA	10770	0.06	0.23	0.0	1.0
S13MEALSA	11568	0.05	0.22	0.0	1.0
S14MEALSA	9192	0.06	0.23	0.0	1.0
S15MEALSA	8347	0.05	0.22	0.0	1.0
S16MEALSA	7708	0.06	0.23	0.0	1.0

Categorical Variable Codes

RwMAPA: R Any Diff-Use a map

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		18	8	18	14	18	10	15	14	31
.J=Web interview, missing										
.M=Oth missing			36	28	24	7	10	7	9	135
.Q=Not asked this wave		8222								
.R=RF		2	4	6	3		6	3	3	6
.X=Don't do		98	2521	2813	2749	2383	2570	2186	2097	1614
0.No		8949	12656	16175	14613	13596	15287	14013	13038	17338
1.Yes		2353	2766	2344	2175	2161	2246	2245	2056	2910

Value	w11	w12	w13	w14	w15	w16
.D=DK	36	34	39	33	41	
.J=Web interview, missing				4	3	
.M=Oth missing	18	17	37	29	76	
.Q=Not asked this wave						
.R=RF	7	9	7	8	6	
.X=Don't do	1483	1264	1233	911	870	
0.No	16252	14600	16811	13618	12716	
1.Yes	2758	2823	2785	2543	2011	

SwMAPA: S Any Diff-Use a map

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		12	3	6	5	10	4	7	7	8
.J=Web interview, missing										
.M=Oth missing			11	7	5	3	1	1	2	81
.Q=Not asked this wave		4549								
.R=RF		2	2	1	1		4	3	1	3
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR		384	417	536	311	220	380	317	365	724
.X=Don't do		54	1064	1229	1226	958	1074	925	775	607
0.No		7037	9226	11467	10334	9533	10712	9673	8835	11361
1.Yes		1636	1611	1270	1159	1135	1177	1126	1026	1453

Value	w11	w12	w13	w14	w15	w16
.D=DK	17	13	16	13	16	
.J=Web interview, missing				4	2	
.M=Oth missing	4	4	7	6	10	
.Q=Not asked this wave						
.R=RF	2	3	2	2	1	
.U=Unmarried	7473	7125	8024	6678	6193	
.V=Sp NR	597	610	1109	1110	1053	
.X=Don't do	548	456	427	332	291	
0.No	10563	9206	10088	7898	7303	
1.Yes	1350	1330	1239	1103	854	

R2CALCA: R Any Diff-Use a calculator

Value	w2
.D=DK	19
.Q=Not asked this wave	8222
.R=RF	3
.X=Don't do	346
0.No	10050
1.Yes	1002

S2CALCA: S Any Diff-Use a calculator

Value	w2
.D=DK	16
.Q=Not asked this wave	4549
.R=RF	3
.U=Unmarried	5968
.V=Sp NR	384
.X=Don't do	243
0.No	7808
1.Yes	671

RwPHONEA: R Any Diff-Use telephone

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	3	1	2	2		2	2	1	3	
.J=Web interview, missing										
.M=Oth missing	1	36	28	24	7	10	7	9	135	
.R=RF	3	3	3	2		6	2	1	4	
.X=Don't do	49	95	104	118	92	97	78	80	54	
0.No	18862	16925	20118	18418	17019	18978	17372	16137	20574	
1.Yes	724	931	1129	1014	1047	1036	1008	989	1264	

Value	w11	w12	w13	w14	w15	w16
.D=DK	3	2	3		1	3
.J=Web interview, missing				3	5	7
.M=Oth missing	18	17	37	30	78	63
.R=RF	1		3	5	1	2
.X=Don't do	57	40	38	26	14	22
0.No	19292	17545	19782	16269	14952	15051
1.Yes	1183	1143	1049	813	672	639

SwPHONEA: S Any Diff-Use telephone

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK				1						3
.J=Web interview, missing										
.M=Oth missing	1	11	7	5	3	1	1	2	81	
.R=RF	3	2		1		4	1	1	2	
.U=Unmarried	5968	5657	6868	6537	6306	6777	6417	6206	7797	
.V=Sp NR	584	417	536	311	220	380	317	365	724	
.X=Don't do	25	49	58	66	41	52	45	44	25	
0.No	12654	11391	13356	12192	11141	12477	11243	10189	12849	
1.Yes	407	464	558	466	454	438	445	410	553	

Value	w11	w12	w13	w14	w15	w16
.D=DK	1	1	1		1	
.J=Web interview, missing				1	4	
.M=Oth missing	4	4	7	6	11	15
.R=RF			2	2	1	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	29	24	22	13	5	12
0.No	11957	10510	11323	9008	8200	7593
1.Yes	493	473	424	328	255	218

RwMONEYA: R Any Diff-Managing money

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	5	1	1	3	2	3	2	1	4	
.J=Web interview, missing										
.M=Oth missing	4	37	28	25	7	10	7	9	135	
.R=RF	4	3	4	2	3	8	3	2	7	
.X=Don't do	765	528	607	608	569	721	685	623	586	
0.No	17539	16166	19305	17562	16196	17980	16377	15225	19379	
1.Yes	1325	1256	1439	1378	1388	1407	1395	1357	1923	

Value	w11	w12	w13	w14	w15	w16
.D=DK	7	7	10	6	6	9
.J=Web interview, missing				4	1	4
.M=Oth missing	18	17	37	31	78	64
.R=RF	3	3	6	6	3	8
.X=Don't do	489	445	404	329	242	242
0.No	18323	16560	18751	15464	14324	14335
1.Yes	1714	1715	1704	1306	1069	1125

SwMONEYA: S Any Diff-Managing money

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	4			2	1	1	1		2	
.J=Web interview, missing										
.M=Oth missing	2	12	7	6	3	1	1	2	81	
.R=RF	3	2		1	3	4	2	2	2	
.U=Unmarried	5968	5657	6868	6537	6306	6777	6417	6206	7797	
.V=Sp NR	584	417	536	311	220	380	317	365	724	
.X=Don't do	557	450	480	499	456	574	549	480	457	
0.No	11842	10939	12907	11700	10667	11840	10666	9692	12168	
1.Yes	682	514	586	522	509	552	516	470	803	

Value	w11	w12	w13	w14	w15	w16
.D=DK	2	2	4	1	1	2
.J=Web interview, missing				3		
.M=Oth missing	4	4	7	7	11	13
.R=RF			4	3	1	3
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	377	360	304	258	186	172
0.No	11404	9975	10811	8582	7881	7254
1.Yes	697	671	649	504	397	396

RwMEDSA: R Any Diff-Take medications

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	4	1	4	2	6	5	2		3	
.J=Web interview, missing										
.M=Oth missing	1	36	28	24	7	33	7	9	135	
.R=RF	2	4	4	2		4	3	1	6	
.X=Don't do	218	1240	28	16	6	14	7	7	29	
0.No	18674	16009	20489	18737	17338	19216	17573	16344	20820	
1.Yes	743	701	831	797	808	857	877	856	1041	

Value	w11	w12	w13	w14	w15	w16
.D=DK	4	4	4	2	6	5
.J=Web interview, missing				9	7	7
.M=Oth missing	18	17	37	30	78	63
.R=RF	3		2	4	2	3
.X=Don't do	15	24	27	18	9	12
0.No	19517	17743	19873	16359	14973	15001
1.Yes	997	959	969	724	648	696

SwMEDSA: S Any Diff-Take medications

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	4		2			1				
.J=Web interview, missing										
.M=Oth missing	1	11	7	5	3	8	1	2	81	
.R=RF	2	2		1		2	2	1	3	
.U=Unmarried	5968	5657	6868	6537	6306	6777	6417	6206	7797	
.V=Sp NR	584	417	536	311	220	380	317	365	724	
.X=Don't do	113	835	20	8	3	9	4	4	16	
0.No	12550	10740	13563	12373	11299	12587	11354	10294	12968	
1.Yes	420	329	388	343	334	365	374	345	445	

Value	w11	w12	w13	w14	w15	w16
.D=DK	1			1	2	
.J=Web interview, missing				6	4	
.M=Oth missing	4	4	7	6	11	15
.R=RF			1	1		2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	4	14	11	5	3	3
0.No	12063	10630	11372	9045	8200	7586
1.Yes	412	364	388	294	257	234

RwSHOPA: R Any Diff-Shop for grocery

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		1	1		2		4	1	1	2
.J=Web interview, missing										
.M=Oth missing		1	36	28	24	7	31	7	9	135
.Q=Not asked this wave		11420								
.R=RF			3	5	2		6	3	1	6
.X=Don't do		228	625	708	711	640	680	589	514	366
0.No		6535	15421	18465	16827	15568	17375	15820	14828	19170
1.Yes		1457	1905	2178	2012	1950	2033	2049	1864	2355

Value	w11	w12	w13	w14	w15	w16
.D=DK	4	4	3	2	5	5
.J=Web interview, missing				8	4	5
.M=Oth missing	18	17	37	30	78	63
.Q=Not asked this wave						
.R=RF	5		1	5	2	2
.X=Don't do	306	277	285	197	230	186
0.No	17916	16295	18324	15095	13758	13772
1.Yes	2305	2154	2262	1809	1646	1754

SwSHOPA: S Any Diff-Shop for grocery

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		1					2		1	
.J=Web interview, missing										
.M=Oth missing		1	11	7	5	3	7	1	2	81
.Q=Not asked this wave		9125								
.R=RF			2	1	1		4	2	1	2
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR		200	417	536	311	220	380	317	365	724
.X=Don't do		138	460	473	478	420	469	386	310	202
0.No		3662	10631	12566	11385	10457	11663	10487	9602	12249
1.Yes		547	813	933	861	759	827	859	730	979

Value	w11	w12	w13	w14	w15	w16
.D=DK	1	2	3	1	3	1
.J=Web interview, missing				5	2	
.M=Oth missing	4	4	7	6	11	13
.Q=Not asked this wave						
.R=RF	2		1	1	1	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	170	153	151	106	105	91
0.No	11358	9983	10723	8541	7727	7126
1.Yes	949	870	894	698	628	607

RwMEALSA: R Any Diff-Prepare hot meal

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			1	1	3	2	2		1	4
.J=Web interview, missing										
.M=Oth missing		1	36	28	24	7	10	7	9	135
.Q=Not asked this wave	11420									
.R=RF		1	3	5	3		5	3	1	5
.X=Don't do		435	937	1059	1044	1002	1011	823	733	542
0.No		7018	15739	18781	17034	15689	17625	16216	15095	19648
1.Yes		767	1275	1510	1470	1465	1476	1420	1378	1700

Value	w11	w12	w13	w14	w15	w16
.D=DK	5	3	2	2	2	6
.J=Web interview, missing				7	2	4
.M=Oth missing	18	17	37	29	77	63
.Q=Not asked this wave						
.R=RF	4	1	1	4		2
.X=Don't do	483	378	382	277	219	210
0.No	18341	16776	18880	15536	14298	14246
1.Yes	1703	1572	1610	1291	1125	1256

SwMEALSA: S Any Diff-Prepare hot meal

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK						1	1			2
.J=Web interview, missing										
.M=Oth missing		1	11	7	5	3	1	1	2	81
.Q=Not asked this wave	9125									
.R=RF			2		1		3	2	1	2
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR		200	417	536	311	220	380	317	365	724
.X=Don't do		338	758	811	793	724	728	556	493	337
0.No		3676	10592	12506	11309	10343	11639	10577	9637	12393
1.Yes		334	554	656	622	568	600	599	513	698

Value	w11	w12	w13	w14	w15	w16
.D=DK	4	1		1	1	2
.J=Web interview, missing				5	2	
.M=Oth missing	4	4	7	6	11	13
.Q=Not asked this wave						
.R=RF	1	1	1	1		2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	293	236	203	153	116	115
0.No	11485	10144	10965	8686	7916	7283
1.Yes	697	626	603	506	431	425

How Constructed

Each wave has a series of questions about limits on instrumental activities of daily living (IADLs), but the specific activities, the question wording, and possible answers vary across waves. These variables recode the raw variables for difficulty with instrumental activities of daily living (IADLs) as yes/no dummy variables, where "1" means "any difficulty" and "0" means "no difficulty." Some measures described here are not normally used as IADLs but are included with them because they seemed to serve a similar measurement

function in Wave 1. The measures described here are using the phone (RwPHONEA), taking medications (RwMEDSA), managing money (RwMONEYA), shopping for groceries (RwSHOPA), preparing meals (RwMEALSA), using a map (RwMAPA), and using a calculator (RwCALCA). In the following, references to Rw[iadl]A apply to all these variables.

Respondents are asked about different IADL activities in Waves 1 and 2 than in the rest of the waves. Wave 1 asks about using a map, a calculator, a microwave, and a computer, but not about preparing meals, shopping for groceries, using the phone, taking medications, or managing money, which are activities normally considered IADLs. From Wave 2 forward, the questions about using a microwave or a computer are dropped, but using the phone, taking medications, and managing money are added. In Wave 2A and from Wave 3 forward, the questions about using a calculator are not asked, but shopping for groceries and preparing meals are added. Using a map is asked in Wave 1, Wave 2H, and Wave 3 to Wave 15; it is not asked in Wave 2A and is dropped in Wave 16. From Wave 3 to Wave 15, the set of IADLs is consistent and includes using the phone, taking medications, managing money, shopping for groceries, preparing meals, and using a map. From Wave 16 forward, the question about using a map (RwMAPA) is dropped but the rest of the IADLs are consistent.

We attempt to make consistent variables across waves. Because of significant differences in question wording in Wave 1, we do not include these variables for this interview year. There are other cross wave differences in the way HRS presented these questions in Waves 2H and 2A and the later waves that may introduce measurement errors in these variables. For example, in Wave 2H, "don't do" is not presented as an option in the instrument, and there are noticeably fewer "don't do" answers in this wave. Also "can't do" is not allowed as an answer in Wave 2H. In Wave 2A, the questions are based on whether the IADL can be done without help, and not specifically whether the Respondent has difficulty with it. In addition there is a slight difference in the question wording for using a map, and a difference in the questions for taking any medications between Wave 3 and later waves. The questions, and therefore, consistency, is much better from Wave 4 forward.

The variable derivations for any difficulty with IADLs (Rw[iadl]A) vary across waves because the question and responses can vary across waves. In all waves, a "don't know" or "refuse" answer to the first question is set to .D or .R, respectively. Generally a "1" indicates "any difficulty or can't do," "0" indicates "no difficulty" and "don't do" is set to special missing code .X, since the Respondent hasn't revealed whether they would have difficulty with the activity if they ever did it.

In Wave 2H, if a Respondent answers "yes" to the first question ("Do you have any difficulty with ...") R2[iadl]A is set to "1" for "any difficulty," regardless of how much difficulty the Respondent says they have in the follow-up question. The questions about shopping and preparing meals were not asked in this wave, so R2SHOPA and R2MEALSA are set to .Q for HRS Respondents in Wave 2.

In Wave 2A, the questions ask if the Respondent is able to do an activity without help. If the Respondent says they don't do the activity then a question asks if this is because of a health problem. Another question about difficulty groups shopping, preparing meals, taking medications, and using the phone together in one question. Because it is impossible to separate answers for specific IADLs, we don't use this question. So if the answer to the first question about doing an activity without help is "no," R2[iadl]A is set to "1," for "any difficulty," and if the answer is "yes," i.e., able to do without help, R2[iadl]A is set to "0," for "no difficulty." If the answer is "don't do" and it is because of a health problem, we set R2[iadl]A to "1" for "any difficulty." Otherwise a "don't do" response is set to .X.

For managing money in Wave 2A, "don't do" is not a possible answer, but those who respond "no" to the first question are asked if it is because of a health problem. In this case, if the Respondent is unable to manage money because of a health problem, R2MONEYA is set to "1" for "any difficulty." If unable to manage money, but not because of a health problem, R2MONEYA is set to .X for "don't do." If the Respondent is able to manage money without help, then R2MONEYA is set to "0" for "no difficulty." In Wave 2A, questions about using a map and using a calculator are not asked, so R2MAPA and R2CALCA are set to .Q for AHEAD Respondents in Wave 2.

For using a map, from Wave 3 to Wave 15, if a Respondent answers "yes" or "can't do" to a question asking if they have any difficulty, Rw[iadl]A is set to "1" for "any difficulty." If the answer is "no," Rw[iadl]A is set to "0," and if the answer is "don't do," Rw[iadl]A is set to .X. Using a map is not asked from Wave 16 forward.

For taking medications, the questions are different in Wave 3 than for later waves. In Wave 3, if the answer to the first question about any difficulty is "no" or "yes," then R3MEDSA is set to "0" for "no difficulty" or "1" for "any difficulty," respectively. If the answer is "can't do" and it is because of a health problem, then R3MEDSA is set to "1" for "any difficulty." If it isn't because of a health

problem, or if the answer to the first question is "don't take medications," then R3MEDSA is set to .X. From Wave 4 forward, the coding is done in the same way as in Wave 3, except if the Respondent says "don't do" to the first question. In this case, another question asks if they think they would have difficulty if they did take medications. If the answer to this question is "yes," and it is because of a health problem, then RwMEDSA is set to "1" for "any difficulty." If the answer to this question is "no," then RwMEDSA is set to 0, for "no difficulty." Otherwise RwMEDSA is set to .X.

For other IADLs from Wave 3 forward, if a Respondent answers "no" or "yes" to a question asking if they have any difficulty, Rw[iadl]A is set to "0" for "no difficulty" or "1" for "any difficulty," respectively. If the answer is "can't do" then Rw[iadl]A is automatically set to "1" for "any difficulty." If the Respondent answers "don't do" and it is because of a health problem, Rw[iadl]A is set to "1" for "any difficulty." Otherwise, Rw[iadl]A is set to .X. For all waves when the help question is asked, if a Respondent answers "yes" to whether they get help and are missing Rw[iadl]A (equal to .X, .D or .R), then we set Rw[iadl]A to "yes."

The spouse variables are taken from the spouse's self-reported Wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

Some of the Rw[iadl]A variables are used to construct an IADL summary index. Please see "IADL Summary."

Another version of these variables simply recodes the raw HRS variables. Please see "Instrumental Activities of Daily Living (IADLs): Raw recodes" for a description of this version.

A third version of these variables is derived for Wave 1 only (R1[iadl]W). They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper. These are provided for comparison to the results found in that paper. Please see "IADLs: Recodes for comparison to Wallace and Herzog" for a description of the R1MAPW, R1CALCW, R1MCWVW, and R1COMPW variables. Note that the Wallace and Herzog variables result in more limitation than the 0/1 recodes done in other waves (Rw[iadl]A) solely due to measurement differences in the raw data. The R1[iadl]W variables are not appropriate for comparison to the Rw[iadl]A variables in other waves.

Cross Wave Differences in Original HRS Data

Each wave has a series of questions about limits on instrumental activities of daily living (IADLs), but the specific activities, the question wording, and possible answers vary across waves. Some measures described here are not normally used as IADLs, but are included with them because they seemed to serve a similar measurement function in Wave 1. The IADL measures described here are: using the phone (RwPHONE), taking medications (RwMEDS), managing money (RwMONEY), shopping for groceries (RwSHOP), preparing meals (RwMEALS), using a map (RwMAP), using a calculator (RwCALC), using a microwave (R1MCWV), and using a computer (R1COMP).

Respondents are asked about different IADL activities in Waves 1 and 2 than in the rest of the waves. Wave 1 asks about using a map, a calculator, a microwave, and a computer, but not about preparing meals, shopping for groceries, using the phone, taking medications, or managing money, which are activities normally considered IADLs. From Wave 2 forward, the questions about using a microwave or a computer are dropped, but using the phone, taking medications, and managing money are added. In Wave 2A and from Wave 3 forward, the questions about using a calculator are not asked, but shopping for groceries and preparing meals are added. Using a map is asked in Wave 1, Wave 2H, and Wave 3 to Wave 15; it is not asked in Wave 2A and is dropped in Wave 16. From Wave 3 to Wave 15, the set of IADLs is consistent and includes using the phone, taking medications, managing money, shopping for groceries, preparing meals, and using a map. From Wave 16 forward, the question about using a map (RwMAPA) is dropped but the rest of the IADLs are consistent.

The question wording and answers also varied across waves. The Wave 1 questions ask:

"Here are some other activities that people may have difficulty with. How difficult is it for you to [...]?"

The Respondent can answer "not at all difficult," "a little difficult," "somewhat difficult," "very difficult/can't do," or "don't do." The answers translate into 4 codes from "1" for "not at all difficult" to "4" for "very difficult/can't do." Another code is used for the "Don't do" response. The specific wording for the IADLs is: use a map to figure out how to get around a strange place, use a microwave

oven after reading the instructions, use a calculator to help balance your checkbook, and use a computer or word processor.

In Wave 2H the question wording is similar to that in Wave 1, but is asked in 2 parts:

1) "Here are some other activities that people may have difficulty with. Do you have any difficulty with ...?" Respondent can answer yes or no.

2) [IF YES] "Is that a little difficulty or a lot of difficulty?"

In the data the answers to the two-part question are recoded into 5-categories: 1=yes, a little difficult; 2=yes, a lot; 3=yes, DK; 4=yes, RF; 5=No; 6=doesn't do. Note that there is no "Can't do" category and that "don't do" is not an option in the instrument. The "Doesn't do" category is likely the result of post-interview interpretation of interview comments, so are observed less frequently than in other waves, simply because of questionnaire differences. This difference is considerable among the IADLs. The specific wording for the IADLs is: using a map to figure out how to get around a strange place, using a calculator to help balance your checkbook, managing your money, making telephone calls, and following instructions for taking prescription medications.

In Wave 2A, the questions are asked differently for managing money and for other IADLs. The section is prefaced with the following:

"Here are a few other daily activities which some people have difficulty with. Please tell me whether you are able to do each activity without help from anyone else. If you don't do the activity at all, just tell me so."

Except for managing money, the IADL questions ask:

"Are you able to .. without help?" [IF DON'T DO] "Is that because of a health problem?"

If the Respondent reports being able to do any one of these activities without help, a question asks:

"Without help do you have any difficulty with [list of all applicable IADLs]?" [IF YES] "Is that a little or a lot of difficulty?"

The specific wording for these activities is: prepare(ing) hot meals, shop(ping) for groceries, make(ing) telephone calls and take(ing) medications.

For managing money the Wave 2A questions ask:

1) "Do you manage your money-such as paying your bills and keeping track of expenses, without anyone's help?"

2) [IF NO] "Is that because of a health or memory condition?"

3) [IF YES, DK, or RF to Q1, or YES to Q2] "Do you have any difficulty managing your money (when someone is helping you/without help)?"

4) [IF YES to Q3] "Is that a little or a lot of difficulty?"

From Wave 3 forward, the question wording is again similar to that in Wave 1, but prefaced with additional text. The question asks:

"Here are a few other activities which some people have difficulty with because of a physical, mental, emotional, or memory problem. Please tell me if you have any difficulty with each activity I name. If you don't do the activity at all, just tell me so. Exclude any difficulties you expect to last less than three months."

For using a map, the question in Wave 3 is: "Do you have any difficulty using a map to figure out how to get around in a strange place?" From Wave 4 to Wave 15, this is prefaced with "Because of a health or memory problem...." Responses may be "yes," "no," "can't do," or "don't do." Using a map is not asked from Wave 16 forward.

For other IADLs, a series of questions may be asked:

1) "Because of a health or memory problem do you have any difficulty with ...?" The Respondent can answer "yes," "no," "can't do," or "don't do." In Wave 3, for taking medications, the wording for "don't do" is "don't take medications."

2) From Wave 4 forward for taking medications [If DON'T DO to Q1] "Do you think you would have any difficulty taking medications if you needed to do so?"

3) [If YES, DK, or RF to Q2 for taking medications from Wave 4 forward; CAN'T DO to Q1 for taking medications in Wave 3; or CAN'T DO or DON'T DO to Q1 for all other activities] "Is that because of a health or memory problem?" The Respondent can answer "yes" or "no." In Wave 3A, this question is also asked if the response to Q1 is don't know or refuse. In Wave 3A and 3H, this question is skipped for a "don't take medications" response. From Wave 4 forward, whether the question is asked depends on the answer to Q2 for taking medications, if Q1 had a "don't do" response.

4) [If YES, DK, or RF to Q1 or Q3] "Does anyone help you ...?" The Respondent can answer "yes" or "no." In Wave 3, this question is not asked for managing money when the Q1 response is "Don't Know" or "Refuse." From Wave 4 forward, this question is not asked if the Respondent is living in a nursing home. In Wave 7, a mistake in the Spanish instrument allowed "can't do" and "don't do" responses for the help questions, and a few of these responses are given for all of the IADLs,except help with medications and money.

The specific wording for these activities is: prepare(ing) a hot meal, shop(ping) for groceries, make(ing) phone calls, take(ing) medications, and manage(ing) your money – such as paying your bills and keeping track of expenses.

HRS Variables Used

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AHEAD 1993:
    B903A1          E52. IADL W/OUT HELP-PREPARE HOT MEAL
    B903A2          E52. IADL W/OUT HELP-SHOP FOR GROCERIES
    B903A3          E52. IADL W/OUT HELP-MAKE PHONE CALLS
    B903A4          E52. IADL W/OUT HELP-TAKE MEDICATIONS
    B904A1          E52a. IADL WHY DONT-PREPARE HOT MEALS
    B904A2          E52a. IADL WHY DONT-SHOP FOR GROCERIES
    B904A3          E52a. IADL WHY DONT-MAKE PHONE CALLS
    B904A4          E52a. IADL WHY DONT-TAKE MEDICATIONS
    B948            E57. IADL MONEY
    B949            E57a. MONEY WHY CANT
HRS 1994:
    W323            B5.USING A MAP
    W324            B5a.USING A CALCULATOR
    W325            B5b.MANAGING MONEY
    W326            B5c.MAKING TELEPHONE CAL
    W327            B5d.TAKING PRESCRIPTION
AHEAD 1995:
    D2012           E93.MAPS
    D2021           E95.IADL MEALS DIFF
    D2023           E95B.MEALS -WHY DONT
    D2026           E96.IADL GROC DIFF
    D2028           E96B.GROC -WHY DONT
    D2031           E97.IADLS PHONE DIFF
    D2033           E97B.PHONE -WHY DONT
    D2036           E98.IADLS MEDICATION DIFF
    D2038           E98B.MED-WHY DONT
    D2099           E106.IADL MONEY DIFF
    D2100           E106A.MONEY HEALTH PROBLEM
HRS 1996:
    E2027           E93.MAPS
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    E2036           E95.IADL MEALS DIFF
    E2038           E95B.MEALS -WHY DONT
    E2041           E96.IADL GROC DIFF
    E2043           E96B.GROC -WHY DONT
    E2046           E97.IADLS PHONE DIFF
    E2048           E97B.PHONE -WHY DONT
    E2051           E98.IADLS MEDICATION DIFF
    E2053           E98B.MED-WHY DONT
    E2093           E106.IADL MONEY DIFF
    E2094           E106A.MONEY HEALTH PROBLEM
HRS 1998:
    F2553           E93.MAPS
    F2562           E95.IADL MEALS DIFF
    F2564           E95B.MEALS -WHY DONT
    F2567           E96.IADL GROC DIFF
    F2569           E96B.GROC -WHY DONT
    F2572           E97.IADLS PHONE DIFF
    F2574           E97B.PHONE -WHY DONT
    F2577           E98.IADLS MEDICATION DIFF
    F2578           E98A
    F2579           E98B.MED-WHY DONT
    F2618           E106.IADL MONEY DIFF
    F2619           E106A.MONEY HEALTH PROBLEM
HRS 2000:
    G2851           E93.MAPS
    G2860           E95.IADL MEALS DIFF
    G2862           E95B.MEALS -WHY DONT
    G2865           E96.IADL GROC DIFF
    G2867           E96B.GROC -WHY DONT
    G2870           E97.IADLS PHONE DIFF
    G2872           E97B.PHONE -WHY DONT
    G2875           E98.IADLS MEDICATION DIFF
    G2876           E98A.IADLS MED IF NEEDED DIFF
    G2877           E98B.MED-WHY DONT
    G2916           E106.IADL MONEY DIFF
    G2917           E106A.MONEY HEALTH PROBLEM
HRS 2002-2020:
    xG040           DIFFICULTY- USING MAPS
HRS 2002-2022:
    xG041           IADL MEAL PREPARATION DIFFICULTY
    xG042           WHY- MEAL PREPARATION DIFFICULTY
    xG043           IADL MEAL PREPARATION HELP
    xG044           IADL GROC SHOP DIFFICULTY
    xG045           WHY- GROC SHOP DIFFICULTY
    xG046           IADL GROC SHOP HELP
    xG047           IADL MAKING PHONE CALLS DIFFICULTY
    xG048           WHY- MAKING PHONE CALLS DIFFICULTY
    xG049           IADL MAKING PHONE CALLS HELP
    xG050           IADL TAKING MEDICATION DIFFICULTY
    xG051           IADL TAKING MEDS IF NEEDED DIFFICULTY
    xG052           WHY-  TAKING MEDICATIONS DIFFICULTY
    xG053           IADL TAKING MEDICATIONS HELP
    xG059           IADL MANAGING MONEY DIFFICULTY
    xG060           WHY- MANAGING MONEY DIFFICULTY
    xG061           IADL MANAGING MONEY HELP
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IADLs: Recodes for comparison to Wallace and Herzog

Wave	Variable	Label	Type
1	R1MAPW	R1MAPW:W1 R Any Diff-Use a map	Categ
1	S1MAPW	S1MAPW:W1 S Any Diff-Use a map	Categ
1	R1CALCW	R1CALCW:W1 R Any Diff-Use a calculator	Categ
1	S1CALCW	S1CALCW:W1 S Any Diff-Use a calculator	Categ
1	R1MCWVW	R1MCWVW:W1 R Any Diff-Use a microwave	Categ
1	S1MCWVW	S1MCWVW:W1 S Any Diff-Use a microwave	Categ
1	R1COMPW	R1COMPW:W1 R Any Diff-Use a computer	Categ
1	S1COMPW	S1COMPW:W1 S Any Diff-Use a computer	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MAPW	12188	0.33	0.47	0.0	1.0
S1MAPW	9620	0.31	0.46	0.0	1.0
R1CALCW	11254	0.11	0.32	0.0	1.0
S1CALCW	8923	0.11	0.31	0.0	1.0
R1MCWVW	12095	0.11	0.31	0.0	1.0
S1MCWVW	9562	0.10	0.31	0.0	1.0
R1COMPW	7334	0.45	0.50	0.0	1.0
S1COMPW	5821	0.45	0.50	0.0	1.0

Categorical Variable Codes

R1MAPW: R Any Diff-Use a map

Value	w1
.X=Don't do	464
0.No	8225
1.Yes	3963

S1MAPW: S Any Diff-Use a map

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
.X=Don't do	280
0.No	6644
1.Yes	2976

R1CALCW: R Any Diff-Use a calculator

Value	w1
.X=Don't do	1398
0.No	9979
1.Yes	1275

S1CALCW: S Any Diff-Use a calculator

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
.X=Don't do	977
0.No	7973
1.Yes	950

R1MCWVW: R Any Diff-Use a microwave

Value	w1
.X=Don't do	557
0.No	10797
1.Yes	1298

S1MCWVW: S Any Diff-Use a microwave

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
.X=Don't do	338
0.No	8560
1.Yes	1002

R1COMPW: R Any Diff-Use a computer

Value	w1
.X=Don't do	5318
0.No	4059
1.Yes	3275

S1COMPW: S Any Diff-Use a computer

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
.X=Don't do	4079
0.No	3218
1.Yes	2603

How Constructed

These IADL variables are derived for Wave 1 only. They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper (Wallace and Herzog, 1995). These variables are provided for comparison to the results found in that paper.

Wallace and Herzog recode the IADL variables to 1 for "any difficulty" if the Respondent answered "a little difficult," "somewhat difficult," or "very difficult/can't do." A response of "not difficult at all" is recoded to zero. This recoding scheme is applied for these variables to attempt to replicate the results reported in their paper.

The spouse variables are taken from the spouse's self-reported Wave 1 data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

There are several other versions of these variables. One version simply recodes the raw HRS variables. Please see the descriptions of

these (RwMAP, RwCALC, R1MCWV, R1COMP) under "Instrumental Activities of Daily Living (IADLs): Raw recodes."

Another version recodes a yes/no dummy variable in waves other than Wave 1, but these are not comparable with the Wallace and Herzog recodes. Please see the descriptions of these under "Instrumental Activities of Daily Living (IADLs): Any difficulty."

Some of the Wallace and Herzog indices are also derived, and include some of these measures in creating functional limitation indices, including an IADL summary index for Wave 1. Please see "IADL Summary."

Cross Wave Differences in Original HRS Data

Each wave has a series of questions about limits on instrumental activities of daily living (IADLs), but the specific activities, the question wording, and possible answers vary across waves.

Wave 1 asks about using a map, a calculator, a microwave, and a computer, but not about preparing meals, shopping for groceries, using the phone, taking medications, or managing money. From Wave 2 forward, the questions about using a microwave or a computer are dropped, but using the phone, taking medications, and managing money are added. From Wave 2A and Wave 3 forward, the questions about using a calculator are no longer asked, but shopping for groceries and preparing meals are added. Please note that only using a map is consistently asked in all waves, except Wave 2A.

The question wording and answers also varied across waves. The Wave 1 questions ask:

"Here are some other activities that people may have difficulty with. How difficult is it for you to [...]?"

The Respondent can answer: not at all difficult, a little difficult, somewhat difficult, very difficult/can't do, or don't do. The answers translate into 4 codes from "1" for "not at all difficult" to "4" for "very difficult/can't do." Another code is used for the "Don't do" response.

The wording for the map activity is "use a map to figure out how to get around a strange place." The wording for the calculator activity is "use a calculator to help balance your checkbook." The wording for the microwave activity is "use a microwave oven after reading the instructions." The wording for the computer activity is "use a computer or word processor."

In subsequent waves, there is a question that simply asks if the Respondent has any difficulty with a particular activity. The question wording and possible answers are sufficiently different that the levels of Wave 1 codes cannot be derived from the data.

HRS Variables Used

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HRS 1992:
    V321            B5A:USE MAP, STRNG P:IMP
    V322            B5B:USE MCRWV W/ INS:IMP
    V323            B5C:USE CALCULATOR  :IMP
    V324            B5D:USE COMPUTER    :IMP
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Other Functional Limitations: Raw recodes

Wave	Variable	Label	Type
1	R1WALKS	R1WALKS:W1 R Diff-Walk sev blocks	Categ
2	R2WALKS	R2WALKS:W2 R Diff-Walk sev blocks	Categ
3	R3WALKS	R3WALKS:W3 R Diff-Walk sev blocks	Categ
4	R4WALKS	R4WALKS:W4 R Diff-Walk sev blocks	Categ
5	R5WALKS	R5WALKS:W5 R Diff-Walk sev blocks	Categ
6	R6WALKS	R6WALKS:W6 R Diff-Walk sev blocks	Categ
7	R7WALKS	R7WALKS:W7 R Diff-Walk sev blocks	Categ
8	R8WALKS	R8WALKS:W8 R Diff-Walk sev blocks	Categ
9	R9WALKS	R9WALKS:W9 R Diff-Walk sev blocks	Categ
10	R10WALKS	R10WALKS:W10 R Diff-Walk sev blocks	Categ
11	R11WALKS	R11WALKS:W11 R Diff-Walk sev blocks	Categ
12	R12WALKS	R12WALKS:W12 R Diff-Walk sev blocks	Categ
13	R13WALKS	R13WALKS:W13 R Diff-Walk sev blocks	Categ
14	R14WALKS	R14WALKS:W14 R Diff-Walk sev blocks	Categ
15	R15WALKS	R15WALKS:W15 R Diff-Walk sev blocks	Categ
16	R16WALKS	R16WALKS:W16 R Diff-Walk sev blocks	Categ
1	S1WALKS	S1WALKS:W1 S Diff-Walk sev blocks	Categ
2	S2WALKS	S2WALKS:W2 S Diff-Walk sev blocks	Categ
3	S3WALKS	S3WALKS:W3 S Diff-Walk sev blocks	Categ
4	S4WALKS	S4WALKS:W4 S Diff-Walk sev blocks	Categ
5	S5WALKS	S5WALKS:W5 S Diff-Walk sev blocks	Categ
6	S6WALKS	S6WALKS:W6 S Diff-Walk sev blocks	Categ
7	S7WALKS	S7WALKS:W7 S Diff-Walk sev blocks	Categ
8	S8WALKS	S8WALKS:W8 S Diff-Walk sev blocks	Categ
9	S9WALKS	S9WALKS:W9 S Diff-Walk sev blocks	Categ
10	S10WALKS	S10WALKS:W10 S Diff-Walk sev blocks	Categ
11	S11WALKS	S11WALKS:W11 S Diff-Walk sev blocks	Categ
12	S12WALKS	S12WALKS:W12 S Diff-Walk sev blocks	Categ
13	S13WALKS	S13WALKS:W13 S Diff-Walk sev blocks	Categ
14	S14WALKS	S14WALKS:W14 S Diff-Walk sev blocks	Categ
15	S15WALKS	S15WALKS:W15 S Diff-Walk sev blocks	Categ
16	S16WALKS	S16WALKS:W16 S Diff-Walk sev blocks	Categ
1	R1JOG	R1JOG:W1 R Diff-Jog one mile	Categ
2	R2JOG	R2JOG:W2 R Diff-Jog one mile	Categ
3	R3JOG	R3JOG:W3 R Diff-Jog one mile	Categ
4	R4JOG	R4JOG:W4 R Diff-Jog one mile	Categ
5	R5JOG	R5JOG:W5 R Diff-Jog one mile	Categ
6	R6JOG	R6JOG:W6 R Diff-Jog one mile	Categ
7	R7JOG	R7JOG:W7 R Diff-Jog one mile	Categ
8	R8JOG	R8JOG:W8 R Diff-Jog one mile	Categ
9	R9JOG	R9JOG:W9 R Diff-Jog one mile	Categ
10	R10JOG	R10JOG:W10 R Diff-Jog one mile	Categ
11	R11JOG	R11JOG:W11 R Diff-Jog one mile	Categ
12	R12JOG	R12JOG:W12 R Diff-Jog one mile	Categ
13	R13JOG	R13JOG:W13 R Diff-Jog one mile	Categ
14	R14JOG	R14JOG:W14 R Diff-Jog one mile	Categ
15	R15JOG	R15JOG:W15 R Diff-Jog one mile	Categ
16	R16JOG	R16JOG:W16 R Diff-Jog one mile	Categ
1	S1JOG	S1JOG:W1 S Diff-Jog one mile	Categ
2	S2JOG	S2JOG:W2 S Diff-Jog one mile	Categ
3	S3JOG	S3JOG:W3 S Diff-Jog one mile	Categ
4	S4JOG	S4JOG:W4 S Diff-Jog one mile	Categ
5	S5JOG	S5JOG:W5 S Diff-Jog one mile	Categ
6	S6JOG	S6JOG:W6 S Diff-Jog one mile	Categ
7	S7JOG	S7JOG:W7 S Diff-Jog one mile	Categ
8	S8JOG	S8JOG:W8 S Diff-Jog one mile	Categ
9	S9JOG	S9JOG:W9 S Diff-Jog one mile	Categ
10	S10JOG	S10JOG:W10 S Diff-Jog one mile	Categ
11	S11JOG	S11JOG:W11 S Diff-Jog one mile	Categ
12	S12JOG	S12JOG:W12 S Diff-Jog one mile	Categ
13	S13JOG	S13JOG:W13 S Diff-Jog one mile	Categ
14	S14JOG	S14JOG:W14 S Diff-Jog one mile	Categ
15	S15JOG	S15JOG:W15 S Diff-Jog one mile	Categ

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16    S16JOG              S16JOG:W16 S Diff-Jog one mile                                  Categ

 1    R1WALK1             R1WALK1:W1 R Diff-Walk one block                                Categ
 2    R2WALK1             R2WALK1:W2 R Diff-Walk one block                                Categ
 3    R3WALK1             R3WALK1:W3 R Diff-Walk one block                                Categ
 4    R4WALK1             R4WALK1:W4 R Diff-Walk one block                                Categ
 5    R5WALK1             R5WALK1:W5 R Diff-Walk one block                                Categ
 6    R6WALK1             R6WALK1:W6 R Diff-Walk one block                                Categ
 7    R7WALK1             R7WALK1:W7 R Diff-Walk one block                                Categ
 8    R8WALK1             R8WALK1:W8 R Diff-Walk one block                                Categ
 9    R9WALK1             R9WALK1:W9 R Diff-Walk one block                                Categ
10    R10WALK1            R10WALK1:W10 R Diff-Walk one block                              Categ
11    R11WALK1            R11WALK1:W11 R Diff-Walk one block                              Categ
12    R12WALK1            R12WALK1:W12 R Diff-Walk one block                              Categ
13    R13WALK1            R13WALK1:W13 R Diff-Walk one block                              Categ
14    R14WALK1            R14WALK1:W14 R Diff-Walk one block                              Categ
15    R15WALK1            R15WALK1:W15 R Diff-Walk one block                              Categ
16    R16WALK1            R16WALK1:W16 R Diff-Walk one block                              Categ

 1    S1WALK1             S1WALK1:W1 S Diff-Walk one block                                Categ
 2    S2WALK1             S2WALK1:W2 S Diff-Walk one block                                Categ
 3    S3WALK1             S3WALK1:W3 S Diff-Walk one block                                Categ
 4    S4WALK1             S4WALK1:W4 S Diff-Walk one block                                Categ
 5    S5WALK1             S5WALK1:W5 S Diff-Walk one block                                Categ
 6    S6WALK1             S6WALK1:W6 S Diff-Walk one block                                Categ
 7    S7WALK1             S7WALK1:W7 S Diff-Walk one block                                Categ
 8    S8WALK1             S8WALK1:W8 S Diff-Walk one block                                Categ
 9    S9WALK1             S9WALK1:W9 S Diff-Walk one block                                Categ
10    S10WALK1            S10WALK1:W10 S Diff-Walk one block                              Categ
11    S11WALK1            S11WALK1:W11 S Diff-Walk one block                              Categ
12    S12WALK1            S12WALK1:W12 S Diff-Walk one block                              Categ
13    S13WALK1            S13WALK1:W13 S Diff-Walk one block                              Categ
14    S14WALK1            S14WALK1:W14 S Diff-Walk one block                              Categ
15    S15WALK1            S15WALK1:W15 S Diff-Walk one block                              Categ
16    S16WALK1            S16WALK1:W16 S Diff-Walk one block                              Categ

 1    R1SIT               R1SIT:W1 R Diff-Sit for 2 hours                                 Categ
 2    R2SIT               R2SIT:W2 R Diff-Sit for 2 hours                                 Categ
 3    R3SIT               R3SIT:W3 R Diff-Sit for 2 hours                                 Categ
 4    R4SIT               R4SIT:W4 R Diff-Sit for 2 hours                                 Categ
 5    R5SIT               R5SIT:W5 R Diff-Sit for 2 hours                                 Categ
 6    R6SIT               R6SIT:W6 R Diff-Sit for 2 hours                                 Categ
 7    R7SIT               R7SIT:W7 R Diff-Sit for 2 hours                                 Categ
 8    R8SIT               R8SIT:W8 R Diff-Sit for 2 hours                                 Categ
 9    R9SIT               R9SIT:W9 R Diff-Sit for 2 hours                                 Categ
10    R10SIT              R10SIT:W10 R Diff-Sit for 2 hours                               Categ
11    R11SIT              R11SIT:W11 R Diff-Sit for 2 hours                               Categ
12    R12SIT              R12SIT:W12 R Diff-Sit for 2 hours                               Categ
13    R13SIT              R13SIT:W13 R Diff-Sit for 2 hours                               Categ
14    R14SIT              R14SIT:W14 R Diff-Sit for 2 hours                               Categ
15    R15SIT              R15SIT:W15 R Diff-Sit for 2 hours                               Categ
16    R16SIT              R16SIT:W16 R Diff-Sit for 2 hours                               Categ

 1    S1SIT               S1SIT:W1 S Diff-Sit for 2 hours                                 Categ
 2    S2SIT               S2SIT:W2 S Diff-Sit for 2 hours                                 Categ
 3    S3SIT               S3SIT:W3 S Diff-Sit for 2 hours                                 Categ
 4    S4SIT               S4SIT:W4 S Diff-Sit for 2 hours                                 Categ
 5    S5SIT               S5SIT:W5 S Diff-Sit for 2 hours                                 Categ
 6    S6SIT               S6SIT:W6 S Diff-Sit for 2 hours                                 Categ
 7    S7SIT               S7SIT:W7 S Diff-Sit for 2 hours                                 Categ
 8    S8SIT               S8SIT:W8 S Diff-Sit for 2 hours                                 Categ
 9    S9SIT               S9SIT:W9 S Diff-Sit for 2 hours                                 Categ
10    S10SIT              S10SIT:W10 S Diff-Sit for 2 hours                               Categ
11    S11SIT              S11SIT:W11 S Diff-Sit for 2 hours                               Categ
12    S12SIT              S12SIT:W12 S Diff-Sit for 2 hours                               Categ
13    S13SIT              S13SIT:W13 S Diff-Sit for 2 hours                               Categ
14    S14SIT              S14SIT:W14 S Diff-Sit for 2 hours                               Categ
15    S15SIT              S15SIT:W15 S Diff-Sit for 2 hours                               Categ
16    S16SIT              S16SIT:W16 S Diff-Sit for 2 hours                               Categ

 1    R1CHAIR             R1CHAIR:W1 R Diff-Get up fr chair                               Categ
 2    R2CHAIR             R2CHAIR:W2 R Diff-Get up fr chair                               Categ
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3	R3CHAIR	R3CHAIR:W3 R Diff-Get up fr chair	Categ
4	R4CHAIR	R4CHAIR:W4 R Diff-Get up fr chair	Categ
5	R5CHAIR	R5CHAIR:W5 R Diff-Get up fr chair	Categ
6	R6CHAIR	R6CHAIR:W6 R Diff-Get up fr chair	Categ
7	R7CHAIR	R7CHAIR:W7 R Diff-Get up fr chair	Categ
8	R8CHAIR	R8CHAIR:W8 R Diff-Get up fr chair	Categ
9	R9CHAIR	R9CHAIR:W9 R Diff-Get up fr chair	Categ
10	R10CHAIR	R10CHAIR:W10 R Diff-Get up fr chair	Categ
11	R11CHAIR	R11CHAIR:W11 R Diff-Get up fr chair	Categ
12	R12CHAIR	R12CHAIR:W12 R Diff-Get up fr chair	Categ
13	R13CHAIR	R13CHAIR:W13 R Diff-Get up fr chair	Categ
14	R14CHAIR	R14CHAIR:W14 R Diff-Get up fr chair	Categ
15	R15CHAIR	R15CHAIR:W15 R Diff-Get up fr chair	Categ
16	R16CHAIR	R16CHAIR:W16 R Diff-Get up fr chair	Categ

1	S1CHAIR	S1CHAIR:W1 S Diff-Get up fr chair	Categ
2	S2CHAIR	S2CHAIR:W2 S Diff-Get up fr chair	Categ
3	S3CHAIR	S3CHAIR:W3 S Diff-Get up fr chair	Categ
4	S4CHAIR	S4CHAIR:W4 S Diff-Get up fr chair	Categ
5	S5CHAIR	S5CHAIR:W5 S Diff-Get up fr chair	Categ
6	S6CHAIR	S6CHAIR:W6 S Diff-Get up fr chair	Categ
7	S7CHAIR	S7CHAIR:W7 S Diff-Get up fr chair	Categ
8	S8CHAIR	S8CHAIR:W8 S Diff-Get up fr chair	Categ
9	S9CHAIR	S9CHAIR:W9 S Diff-Get up fr chair	Categ
10	S10CHAIR	S10CHAIR:W10 S Diff-Get up fr chair	Categ
11	S11CHAIR	S11CHAIR:W11 S Diff-Get up fr chair	Categ
12	S12CHAIR	S12CHAIR:W12 S Diff-Get up fr chair	Categ
13	S13CHAIR	S13CHAIR:W13 S Diff-Get up fr chair	Categ
14	S14CHAIR	S14CHAIR:W14 S Diff-Get up fr chair	Categ
15	S15CHAIR	S15CHAIR:W15 S Diff-Get up fr chair	Categ
16	S16CHAIR	S16CHAIR:W16 S Diff-Get up fr chair	Categ

1	R1CLIMS	R1CLIMS:W1 R Diff-Climb sev flt stair	Categ
2	R2CLIMS	R2CLIMS:W2 R Diff-Climb sev flt stair	Categ
3	R3CLIMS	R3CLIMS:W3 R Diff-Climb sev flt stair	Categ
4	R4CLIMS	R4CLIMS:W4 R Diff-Climb sev flt stair	Categ
5	R5CLIMS	R5CLIMS:W5 R Diff-Climb sev flt stair	Categ
6	R6CLIMS	R6CLIMS:W6 R Diff-Climb sev flt stair	Categ
7	R7CLIMS	R7CLIMS:W7 R Diff-Climb sev flt stair	Categ
8	R8CLIMS	R8CLIMS:W8 R Diff-Climb sev flt stair	Categ
9	R9CLIMS	R9CLIMS:W9 R Diff-Climb sev flt stair	Categ
10	R10CLIMS	R10CLIMS:W10 R Diff-Climb sev flt stair	Categ
11	R11CLIMS	R11CLIMS:W11 R Diff-Climb sev flt stair	Categ
12	R12CLIMS	R12CLIMS:W12 R Diff-Climb sev flt stair	Categ
13	R13CLIMS	R13CLIMS:W13 R Diff-Climb sev flt stair	Categ
14	R14CLIMS	R14CLIMS:W14 R Diff-Climb sev flt stair	Categ
15	R15CLIMS	R15CLIMS:W15 R Diff-Climb sev flt stair	Categ
16	R16CLIMS	R16CLIMS:W16 R Diff-Climb sev flt stair	Categ

1	S1CLIMS	S1CLIMS:W1 S Diff-Climb sev flt stair	Categ
2	S2CLIMS	S2CLIMS:W2 S Diff-Climb sev flt stair	Categ
3	S3CLIMS	S3CLIMS:W3 S Diff-Climb sev flt stair	Categ
4	S4CLIMS	S4CLIMS:W4 S Diff-Climb sev flt stair	Categ
5	S5CLIMS	S5CLIMS:W5 S Diff-Climb sev flt stair	Categ
6	S6CLIMS	S6CLIMS:W6 S Diff-Climb sev flt stair	Categ
7	S7CLIMS	S7CLIMS:W7 S Diff-Climb sev flt stair	Categ
8	S8CLIMS	S8CLIMS:W8 S Diff-Climb sev flt stair	Categ
9	S9CLIMS	S9CLIMS:W9 S Diff-Climb sev flt stair	Categ
10	S10CLIMS	S10CLIMS:W10 S Diff-Climb sev flt stair	Categ
11	S11CLIMS	S11CLIMS:W11 S Diff-Climb sev flt stair	Categ
12	S12CLIMS	S12CLIMS:W12 S Diff-Climb sev flt stair	Categ
13	S13CLIMS	S13CLIMS:W13 S Diff-Climb sev flt stair	Categ
14	S14CLIMS	S14CLIMS:W14 S Diff-Climb sev flt stair	Categ
15	S15CLIMS	S15CLIMS:W15 S Diff-Climb sev flt stair	Categ
16	S16CLIMS	S16CLIMS:W16 S Diff-Climb sev flt stair	Categ

1	R1CLIM1	R1CLIM1:W1 R Diff-Climb one flt stair	Categ
2	R2CLIM1	R2CLIM1:W2 R Diff-Climb one flt stair	Categ
3	R3CLIM1	R3CLIM1:W3 R Diff-Climb one flt stair	Categ
4	R4CLIM1	R4CLIM1:W4 R Diff-Climb one flt stair	Categ
5	R5CLIM1	R5CLIM1:W5 R Diff-Climb one flt stair	Categ
6	R6CLIM1	R6CLIM1:W6 R Diff-Climb one flt stair	Categ

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 7    R7CLIM1             R7CLIM1:W7 R Diff-Climb one flt stair                    Categ
 8    R8CLIM1             R8CLIM1:W8 R Diff-Climb one flt stair                    Categ
 9    R9CLIM1             R9CLIM1:W9 R Diff-Climb one flt stair                    Categ
10    R10CLIM1            R10CLIM1:W10 R Diff-Climb one flt stair                  Categ
11    R11CLIM1            R11CLIM1:W11 R Diff-Climb one flt stair                  Categ
12    R12CLIM1            R12CLIM1:W12 R Diff-Climb one flt stair                  Categ
13    R13CLIM1            R13CLIM1:W13 R Diff-Climb one flt stair                  Categ
14    R14CLIM1            R14CLIM1:W14 R Diff-Climb one flt stair                  Categ
15    R15CLIM1            R15CLIM1:W15 R Diff-Climb one flt stair                  Categ
16    R16CLIM1            R16CLIM1:W16 R Diff-Climb one flt stair                  Categ

 1    S1CLIM1             S1CLIM1:W1 S Diff-Climb one flt stair                    Categ
 2    S2CLIM1             S2CLIM1:W2 S Diff-Climb one flt stair                    Categ
 3    S3CLIM1             S3CLIM1:W3 S Diff-Climb one flt stair                    Categ
 4    S4CLIM1             S4CLIM1:W4 S Diff-Climb one flt stair                    Categ
 5    S5CLIM1             S5CLIM1:W5 S Diff-Climb one flt stair                    Categ
 6    S6CLIM1             S6CLIM1:W6 S Diff-Climb one flt stair                    Categ
 7    S7CLIM1             S7CLIM1:W7 S Diff-Climb one flt stair                    Categ
 8    S8CLIM1             S8CLIM1:W8 S Diff-Climb one flt stair                    Categ
 9    S9CLIM1             S9CLIM1:W9 S Diff-Climb one flt stair                    Categ
10    S10CLIM1            S10CLIM1:W10 S Diff-Climb one flt stair                  Categ
11    S11CLIM1            S11CLIM1:W11 S Diff-Climb one flt stair                  Categ
12    S12CLIM1            S12CLIM1:W12 S Diff-Climb one flt stair                  Categ
13    S13CLIM1            S13CLIM1:W13 S Diff-Climb one flt stair                  Categ
14    S14CLIM1            S14CLIM1:W14 S Diff-Climb one flt stair                  Categ
15    S15CLIM1            S15CLIM1:W15 S Diff-Climb one flt stair                  Categ
16    S16CLIM1            S16CLIM1:W16 S Diff-Climb one flt stair                  Categ

 1    R1STOOP             R1STOOP:W1 R Diff-Stoop/Kneel/Crouch                     Categ
 2    R2STOOP             R2STOOP:W2 R Diff-Stoop/Kneel/Crouch                     Categ
 3    R3STOOP             R3STOOP:W3 R Diff-Stoop/Kneel/Crouch                     Categ
 4    R4STOOP             R4STOOP:W4 R Diff-Stoop/Kneel/Crouch                     Categ
 5    R5STOOP             R5STOOP:W5 R Diff-Stoop/Kneel/Crouch                     Categ
 6    R6STOOP             R6STOOP:W6 R Diff-Stoop/Kneel/Crouch                     Categ
 7    R7STOOP             R7STOOP:W7 R Diff-Stoop/Kneel/Crouch                     Categ
 8    R8STOOP             R8STOOP:W8 R Diff-Stoop/Kneel/Crouch                     Categ
 9    R9STOOP             R9STOOP:W9 R Diff-Stoop/Kneel/Crouch                     Categ
10    R10STOOP            R10STOOP:W10 R Diff-Stoop/Kneel/Crouch                   Categ
11    R11STOOP            R11STOOP:W11 R Diff-Stoop/Kneel/Crouch                   Categ
12    R12STOOP            R12STOOP:W12 R Diff-Stoop/Kneel/Crouch                   Categ
13    R13STOOP            R13STOOP:W13 R Diff-Stoop/Kneel/Crouch                   Categ
14    R14STOOP            R14STOOP:W14 R Diff-Stoop/Kneel/Crouch                   Categ
15    R15STOOP            R15STOOP:W15 R Diff-Stoop/Kneel/Crouch                   Categ
16    R16STOOP            R16STOOP:W16 R Diff-Stoop/Kneel/Crouch                   Categ

 1    S1STOOP             S1STOOP:W1 S Diff-Stoop/Kneel/Crouch                     Categ
 2    S2STOOP             S2STOOP:W2 S Diff-Stoop/Kneel/Crouch                     Categ
 3    S3STOOP             S3STOOP:W3 S Diff-Stoop/Kneel/Crouch                     Categ
 4    S4STOOP             S4STOOP:W4 S Diff-Stoop/Kneel/Crouch                     Categ
 5    S5STOOP             S5STOOP:W5 S Diff-Stoop/Kneel/Crouch                     Categ
 6    S6STOOP             S6STOOP:W6 S Diff-Stoop/Kneel/Crouch                     Categ
 7    S7STOOP             S7STOOP:W7 S Diff-Stoop/Kneel/Crouch                     Categ
 8    S8STOOP             S8STOOP:W8 S Diff-Stoop/Kneel/Crouch                     Categ
 9    S9STOOP             S9STOOP:W9 S Diff-Stoop/Kneel/Crouch                     Categ
10    S10STOOP            S10STOOP:W10 S Diff-Stoop/Kneel/Crouch                   Categ
11    S11STOOP            S11STOOP:W11 S Diff-Stoop/Kneel/Crouch                   Categ
12    S12STOOP            S12STOOP:W12 S Diff-Stoop/Kneel/Crouch                   Categ
13    S13STOOP            S13STOOP:W13 S Diff-Stoop/Kneel/Crouch                   Categ
14    S14STOOP            S14STOOP:W14 S Diff-Stoop/Kneel/Crouch                   Categ
15    S15STOOP            S15STOOP:W15 S Diff-Stoop/Kneel/Crouch                   Categ
16    S16STOOP            S16STOOP:W16 S Diff-Stoop/Kneel/Crouch                   Categ

 1    R1LIFT              R1LIFT:W1 R Diff-Lift/carry 10lbs                        Categ
 2    R2LIFT              R2LIFT:W2 R Diff-Lift/carry 10lbs                        Categ
 3    R3LIFT              R3LIFT:W3 R Diff-Lift/carry 10lbs                        Categ
 4    R4LIFT              R4LIFT:W4 R Diff-Lift/carry 10lbs                        Categ
 5    R5LIFT              R5LIFT:W5 R Diff-Lift/carry 10lbs                        Categ
 6    R6LIFT              R6LIFT:W6 R Diff-Lift/carry 10lbs                        Categ
 7    R7LIFT              R7LIFT:W7 R Diff-Lift/carry 10lbs                        Categ
 8    R8LIFT              R8LIFT:W8 R Diff-Lift/carry 10lbs                        Categ
 9    R9LIFT              R9LIFT:W9 R Diff-Lift/carry 10lbs                        Categ
10    R10LIFT             R10LIFT:W10 R Diff-Lift/carry 10lbs                      Categ
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11	R11LIFT	R11LIFT:W11 R Diff-Lift/carry 10lbs	Categ
12	R12LIFT	R12LIFT:W12 R Diff-Lift/carry 10lbs	Categ
13	R13LIFT	R13LIFT:W13 R Diff-Lift/carry 10lbs	Categ
14	R14LIFT	R14LIFT:W14 R Diff-Lift/carry 10lbs	Categ
15	R15LIFT	R15LIFT:W15 R Diff-Lift/carry 10lbs	Categ
16	R16LIFT	R16LIFT:W16 R Diff-Lift/carry 10lbs	Categ
1	S1LIFT	S1LIFT:W1 S Diff-Lift/carry 10lbs	Categ
2	S2LIFT	S2LIFT:W2 S Diff-Lift/carry 10lbs	Categ
3	S3LIFT	S3LIFT:W3 S Diff-Lift/carry 10lbs	Categ
4	S4LIFT	S4LIFT:W4 S Diff-Lift/carry 10lbs	Categ
5	S5LIFT	S5LIFT:W5 S Diff-Lift/carry 10lbs	Categ
6	S6LIFT	S6LIFT:W6 S Diff-Lift/carry 10lbs	Categ
7	S7LIFT	S7LIFT:W7 S Diff-Lift/carry 10lbs	Categ
8	S8LIFT	S8LIFT:W8 S Diff-Lift/carry 10lbs	Categ
9	S9LIFT	S9LIFT:W9 S Diff-Lift/carry 10lbs	Categ
10	S10LIFT	S10LIFT:W10 S Diff-Lift/carry 10lbs	Categ
11	S11LIFT	S11LIFT:W11 S Diff-Lift/carry 10lbs	Categ
12	S12LIFT	S12LIFT:W12 S Diff-Lift/carry 10lbs	Categ
13	S13LIFT	S13LIFT:W13 S Diff-Lift/carry 10lbs	Categ
14	S14LIFT	S14LIFT:W14 S Diff-Lift/carry 10lbs	Categ
15	S15LIFT	S15LIFT:W15 S Diff-Lift/carry 10lbs	Categ
16	S16LIFT	S16LIFT:W16 S Diff-Lift/carry 10lbs	Categ
1	R1DIME	R1DIME:W1 R Diff-Pick up a dime	Categ
2	R2DIME	R2DIME:W2 R Diff-Pick up a dime	Categ
3	R3DIME	R3DIME:W3 R Diff-Pick up a dime	Categ
4	R4DIME	R4DIME:W4 R Diff-Pick up a dime	Categ
5	R5DIME	R5DIME:W5 R Diff-Pick up a dime	Categ
6	R6DIME	R6DIME:W6 R Diff-Pick up a dime	Categ
7	R7DIME	R7DIME:W7 R Diff-Pick up a dime	Categ
8	R8DIME	R8DIME:W8 R Diff-Pick up a dime	Categ
9	R9DIME	R9DIME:W9 R Diff-Pick up a dime	Categ
10	R10DIME	R10DIME:W10 R Diff-Pick up a dime	Categ
11	R11DIME	R11DIME:W11 R Diff-Pick up a dime	Categ
12	R12DIME	R12DIME:W12 R Diff-Pick up a dime	Categ
13	R13DIME	R13DIME:W13 R Diff-Pick up a dime	Categ
14	R14DIME	R14DIME:W14 R Diff-Pick up a dime	Categ
15	R15DIME	R15DIME:W15 R Diff-Pick up a dime	Categ
16	R16DIME	R16DIME:W16 R Diff-Pick up a dime	Categ
1	S1DIME	S1DIME:W1 S Diff-Pick up a dime	Categ
2	S2DIME	S2DIME:W2 S Diff-Pick up a dime	Categ
3	S3DIME	S3DIME:W3 S Diff-Pick up a dime	Categ
4	S4DIME	S4DIME:W4 S Diff-Pick up a dime	Categ
5	S5DIME	S5DIME:W5 S Diff-Pick up a dime	Categ
6	S6DIME	S6DIME:W6 S Diff-Pick up a dime	Categ
7	S7DIME	S7DIME:W7 S Diff-Pick up a dime	Categ
8	S8DIME	S8DIME:W8 S Diff-Pick up a dime	Categ
9	S9DIME	S9DIME:W9 S Diff-Pick up a dime	Categ
10	S10DIME	S10DIME:W10 S Diff-Pick up a dime	Categ
11	S11DIME	S11DIME:W11 S Diff-Pick up a dime	Categ
12	S12DIME	S12DIME:W12 S Diff-Pick up a dime	Categ
13	S13DIME	S13DIME:W13 S Diff-Pick up a dime	Categ
14	S14DIME	S14DIME:W14 S Diff-Pick up a dime	Categ
15	S15DIME	S15DIME:W15 S Diff-Pick up a dime	Categ
16	S16DIME	S16DIME:W16 S Diff-Pick up a dime	Categ
1	R1ARMS	R1ARMS:W1 R Diff-Reach/extnd arms up	Categ
2	R2ARMS	R2ARMS:W2 R Diff-Reach/extnd arms up	Categ
3	R3ARMS	R3ARMS:W3 R Diff-Reach/extnd arms up	Categ
4	R4ARMS	R4ARMS:W4 R Diff-Reach/extnd arms up	Categ
5	R5ARMS	R5ARMS:W5 R Diff-Reach/extnd arms up	Categ
6	R6ARMS	R6ARMS:W6 R Diff-Reach/extnd arms up	Categ
7	R7ARMS	R7ARMS:W7 R Diff-Reach/extnd arms up	Categ
8	R8ARMS	R8ARMS:W8 R Diff-Reach/extnd arms up	Categ
9	R9ARMS	R9ARMS:W9 R Diff-Reach/extnd arms up	Categ
10	R10ARMS	R10ARMS:W10 R Diff-Reach/extnd arms up	Categ
11	R11ARMS	R11ARMS:W11 R Diff-Reach/extnd arms up	Categ
12	R12ARMS	R12ARMS:W12 R Diff-Reach/extnd arms up	Categ
13	R13ARMS	R13ARMS:W13 R Diff-Reach/extnd arms up	Categ
14	R14ARMS	R14ARMS:W14 R Diff-Reach/extnd arms up	Categ

15	R15ARMS	R15ARMS:W15 R Diff-Reach/extnd arms up	Categ
16	R16ARMS	R16ARMS:W16 R Diff-Reach/extnd arms up	Categ
1	S1ARMS	S1ARMS:W1 S Diff-Reach/extnd arms up	Categ
2	S2ARMS	S2ARMS:W2 S Diff-Reach/extnd arms up	Categ
3	S3ARMS	S3ARMS:W3 S Diff-Reach/extnd arms up	Categ
4	S4ARMS	S4ARMS:W4 S Diff-Reach/extnd arms up	Categ
5	S5ARMS	S5ARMS:W5 S Diff-Reach/extnd arms up	Categ
6	S6ARMS	S6ARMS:W6 S Diff-Reach/extnd arms up	Categ
7	S7ARMS	S7ARMS:W7 S Diff-Reach/extnd arms up	Categ
8	S8ARMS	S8ARMS:W8 S Diff-Reach/extnd arms up	Categ
9	S9ARMS	S9ARMS:W9 S Diff-Reach/extnd arms up	Categ
10	S10ARMS	S10ARMS:W10 S Diff-Reach/extnd arms up	Categ
11	S11ARMS	S11ARMS:W11 S Diff-Reach/extnd arms up	Categ
12	S12ARMS	S12ARMS:W12 S Diff-Reach/extnd arms up	Categ
13	S13ARMS	S13ARMS:W13 S Diff-Reach/extnd arms up	Categ
14	S14ARMS	S14ARMS:W14 S Diff-Reach/extnd arms up	Categ
15	S15ARMS	S15ARMS:W15 S Diff-Reach/extnd arms up	Categ
16	S16ARMS	S16ARMS:W16 S Diff-Reach/extnd arms up	Categ
1	R1PUSH	R1PUSH:W1 R Diff-Push/pull large obj	Categ
2	R2PUSH	R2PUSH:W2 R Diff-Push/pull large obj	Categ
3	R3PUSH	R3PUSH:W3 R Diff-Push/pull large obj	Categ
4	R4PUSH	R4PUSH:W4 R Diff-Push/pull large obj	Categ
5	R5PUSH	R5PUSH:W5 R Diff-Push/pull large obj	Categ
6	R6PUSH	R6PUSH:W6 R Diff-Push/pull large obj	Categ
7	R7PUSH	R7PUSH:W7 R Diff-Push/pull large obj	Categ
8	R8PUSH	R8PUSH:W8 R Diff-Push/pull large obj	Categ
9	R9PUSH	R9PUSH:W9 R Diff-Push/pull large obj	Categ
10	R10PUSH	R10PUSH:W10 R Diff-Push/pull large obj	Categ
11	R11PUSH	R11PUSH:W11 R Diff-Push/pull large obj	Categ
12	R12PUSH	R12PUSH:W12 R Diff-Push/pull large obj	Categ
13	R13PUSH	R13PUSH:W13 R Diff-Push/pull large obj	Categ
14	R14PUSH	R14PUSH:W14 R Diff-Push/pull large obj	Categ
15	R15PUSH	R15PUSH:W15 R Diff-Push/pull large obj	Categ
16	R16PUSH	R16PUSH:W16 R Diff-Push/pull large obj	Categ
1	S1PUSH	S1PUSH:W1 S Diff-Push/pull large obj	Categ
2	S2PUSH	S2PUSH:W2 S Diff-Push/pull large obj	Categ
3	S3PUSH	S3PUSH:W3 S Diff-Push/pull large obj	Categ
4	S4PUSH	S4PUSH:W4 S Diff-Push/pull large obj	Categ
5	S5PUSH	S5PUSH:W5 S Diff-Push/pull large obj	Categ
6	S6PUSH	S6PUSH:W6 S Diff-Push/pull large obj	Categ
7	S7PUSH	S7PUSH:W7 S Diff-Push/pull large obj	Categ
8	S8PUSH	S8PUSH:W8 S Diff-Push/pull large obj	Categ
9	S9PUSH	S9PUSH:W9 S Diff-Push/pull large obj	Categ
10	S10PUSH	S10PUSH:W10 S Diff-Push/pull large obj	Categ
11	S11PUSH	S11PUSH:W11 S Diff-Push/pull large obj	Categ
12	S12PUSH	S12PUSH:W12 S Diff-Push/pull large obj	Categ
13	S13PUSH	S13PUSH:W13 S Diff-Push/pull large obj	Categ
14	S14PUSH	S14PUSH:W14 S Diff-Push/pull large obj	Categ
15	S15PUSH	S15PUSH:W15 S Diff-Push/pull large obj	Categ
16	S16PUSH	S16PUSH:W16 S Diff-Push/pull large obj	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WALKS	12652	1.53	1.10	1.0	7.0
R2WALKS	19300	0.67	1.47	0.0	7.0
R3WALKS	17949	0.51	1.25	0.0	7.0
R4WALKS	21351	0.47	1.14	0.0	7.0
R5WALKS	19548	0.51	1.21	0.0	7.0
R6WALKS	18155	0.52	1.18	0.0	7.0
R7WALKS	20111	0.51	1.19	0.0	7.0
R8WALKS	18455	0.47	1.03	0.0	7.0

R9WALKS	17202	0.48	1.04	0.0	7.0
R10WALKS	21888	0.38	0.79	0.0	7.0
R11WALKS	20512	0.39	0.79	0.0	7.0
R12WALKS	18710	0.39	0.72	0.0	7.0
R13WALKS	20852	0.36	0.69	0.0	7.0
R14WALKS	17109	0.37	0.67	0.0	7.0
R15WALKS	15629	0.35	0.67	0.0	7.0
R16WALKS	15700	0.37	0.68	0.0	7.0
S1WALKS	9900	1.48	1.04	1.0	7.0
S2WALKS	12828	0.47	1.17	0.0	7.0
S3WALKS	11904	0.38	1.05	0.0	7.0
S4WALKS	13973	0.35	0.97	0.0	7.0
S5WALKS	12722	0.38	1.03	0.0	7.0
S6WALKS	11634	0.38	0.96	0.0	7.0
S7WALKS	12966	0.37	0.98	0.0	7.0
S8WALKS	11731	0.35	0.84	0.0	7.0
S9WALKS	10642	0.35	0.86	0.0	7.0
S10WALKS	13424	0.29	0.64	0.0	7.0
S11WALKS	12472	0.30	0.68	0.0	7.0
S12WALKS	11002	0.30	0.61	0.0	7.0
S13WALKS	11758	0.28	0.56	0.0	7.0
S14WALKS	9350	0.29	0.59	0.0	7.0
S15WALKS	8458	0.27	0.55	0.0	7.0
S16WALKS	7820	0.29	0.57	0.0	7.0
R1JOG	12652	3.55	1.89	1.0	7.0
R2JOG	11361	1.55	1.60	0.0	7.0
R3JOG	17947	3.15	2.99	0.0	7.0
R4JOG	21346	3.18	2.99	0.0	7.0
R5JOG	19545	3.30	3.02	0.0	7.0
R6JOG	18149	3.02	2.91	0.0	7.0
R7JOG	20101	2.72	2.84	0.0	7.0
R8JOG	18448	2.41	2.67	0.0	7.0
R9JOG	17190	2.37	2.65	0.0	7.0
R10JOG	21849	1.51	2.08	0.0	7.0
R11JOG	20492	1.53	2.10	0.0	7.0
R12JOG	18685	1.35	1.88	0.0	7.0
R13JOG	20811	1.30	1.89	0.0	7.0
R14JOG	17081	1.18	1.67	0.0	7.0
R15JOG	15587	1.19	1.69	0.0	7.0
R16JOG	15655	1.14	1.63	0.0	7.0
S1JOG	9900	3.49	1.87	1.0	7.0
S2JOG	8697	1.53	1.61	0.0	7.0
S3JOG	11902	3.13	3.02	0.0	7.0
S4JOG	13971	3.19	3.03	0.0	7.0
S5JOG	12722	3.31	3.05	0.0	7.0
S6JOG	11629	3.01	2.95	0.0	7.0
S7JOG	12960	2.68	2.86	0.0	7.0
S8JOG	11727	2.35	2.68	0.0	7.0
S9JOG	10633	2.33	2.67	0.0	7.0
S10JOG	13398	1.40	2.01	0.0	7.0
S11JOG	12459	1.43	2.05	0.0	7.0
S12JOG	10984	1.24	1.80	0.0	7.0
S13JOG	11732	1.22	1.85	0.0	7.0
S14JOG	9330	1.10	1.63	0.0	7.0
S15JOG	8435	1.09	1.62	0.0	7.0
S16JOG	7799	1.07	1.58	0.0	7.0

R1WALK1	12652	1.22	0.73	1.0	7.0
R2WALK1	11071	0.11	0.42	0.0	4.0
R3WALK1	17949	0.24	0.85	0.0	7.0
R4WALK1	21350	0.22	0.77	0.0	7.0
R5WALK1	19548	0.25	0.85	0.0	7.0
R6WALK1	18152	0.26	0.82	0.0	7.0
R7WALK1	20114	0.25	0.86	0.0	7.0
R8WALK1	18455	0.25	0.79	0.0	7.0
R9WALK1	17203	0.25	0.77	0.0	7.0
R10WALK1	21889	0.20	0.61	0.0	7.0
R11WALK1	20514	0.21	0.61	0.0	7.0
R12WALK1	18714	0.21	0.59	0.0	7.0
R13WALK1	20854	0.19	0.55	0.0	7.0
R14WALK1	17100	0.20	0.53	0.0	7.0
R15WALK1	15626	0.19	0.52	0.0	7.0
R16WALK1	15704	0.20	0.52	0.0	7.0
S1WALK1	9900	1.19	0.68	1.0	7.0
S2WALK1	8474	0.09	0.39	0.0	4.0
S3WALK1	11905	0.16	0.65	0.0	7.0
S4WALK1	13971	0.15	0.59	0.0	7.0
S5WALK1	12723	0.17	0.67	0.0	7.0
S6WALK1	11635	0.18	0.65	0.0	7.0
S7WALK1	12970	0.17	0.67	0.0	7.0
S8WALK1	11731	0.17	0.60	0.0	7.0
S9WALK1	10642	0.17	0.60	0.0	7.0
S10WALK1	13427	0.13	0.46	0.0	7.0
S11WALK1	12471	0.15	0.49	0.0	7.0
S12WALK1	11001	0.15	0.48	0.0	7.0
S13WALK1	11765	0.14	0.47	0.0	7.0
S14WALK1	9346	0.14	0.45	0.0	7.0
S15WALK1	8454	0.14	0.43	0.0	7.0
S16WALK1	7822	0.14	0.42	0.0	7.0
R1SIT	12652	1.52	0.96	1.0	7.0
R2SIT	11407	0.28	0.65	0.0	7.0
R3SIT	17950	0.26	0.78	0.0	7.0
R4SIT	21347	0.25	0.78	0.0	7.0
R5SIT	19545	0.26	0.78	0.0	7.0
R6SIT	18151	0.27	0.78	0.0	7.0
R7SIT	20106	0.25	0.70	0.0	7.0
R8SIT	18451	0.24	0.67	0.0	7.0
R9SIT	17203	0.24	0.68	0.0	7.0
R10SIT	21878	0.23	0.60	0.0	7.0
R11SIT	20520	0.24	0.62	0.0	7.0
R12SIT	18717	0.24	0.60	0.0	7.0
R13SIT	20842	0.25	0.60	0.0	7.0
R14SIT	17100	0.24	0.55	0.0	7.0
R15SIT	15619	0.21	0.58	0.0	7.0
R16SIT	15700	0.21	0.54	0.0	7.0
S1SIT	9900	1.51	0.94	1.0	7.0
S2SIT	8728	0.26	0.62	0.0	7.0
S3SIT	11905	0.24	0.75	0.0	7.0
S4SIT	13972	0.24	0.75	0.0	7.0
S5SIT	12722	0.23	0.72	0.0	7.0
S6SIT	11635	0.25	0.75	0.0	7.0
S7SIT	12964	0.23	0.67	0.0	7.0

S8SIT	11727	0.22	0.61	0.0	7.0
S9SIT	10643	0.22	0.63	0.0	7.0
S10SIT	13426	0.21	0.56	0.0	7.0
S11SIT	12474	0.22	0.57	0.0	7.0
S12SIT	11001	0.21	0.55	0.0	7.0
S13SIT	11756	0.22	0.56	0.0	7.0
S14SIT	9343	0.20	0.50	0.0	7.0
S15SIT	8451	0.18	0.53	0.0	7.0
S16SIT	7819	0.18	0.50	0.0	7.0
R1CHAIR	12652	1.54	0.85	1.0	7.0
R2CHAIR	11412	0.41	0.65	0.0	7.0
R3CHAIR	17948	0.39	0.61	0.0	7.0
R4CHAIR	21352	0.39	0.59	0.0	7.0
R5CHAIR	19546	0.40	0.60	0.0	7.0
R6CHAIR	18149	0.43	0.58	0.0	7.0
R7CHAIR	20105	0.41	0.59	0.0	7.0
R8CHAIR	18452	0.44	0.58	0.0	7.0
R9CHAIR	17203	0.44	0.60	0.0	7.0
R10CHAIR	21876	0.41	0.55	0.0	7.0
R11CHAIR	20503	0.40	0.54	0.0	7.0
R12CHAIR	18700	0.41	0.54	0.0	7.0
R13CHAIR	20832	0.39	0.55	0.0	7.0
R14CHAIR	17111	0.39	0.51	0.0	7.0
R15CHAIR	15594	0.35	0.50	0.0	7.0
R16CHAIR	15690	0.37	0.52	0.0	7.0
S1CHAIR	9900	1.51	0.82	1.0	7.0
S2CHAIR	8734	0.38	0.63	0.0	7.0
S3CHAIR	11903	0.35	0.58	0.0	7.0
S4CHAIR	13972	0.35	0.56	0.0	7.0
S5CHAIR	12721	0.36	0.56	0.0	7.0
S6CHAIR	11632	0.39	0.55	0.0	7.0
S7CHAIR	12964	0.38	0.57	0.0	7.0
S8CHAIR	11726	0.39	0.55	0.0	7.0
S9CHAIR	10641	0.39	0.56	0.0	7.0
S10CHAIR	13419	0.37	0.52	0.0	7.0
S11CHAIR	12462	0.36	0.51	0.0	7.0
S12CHAIR	10992	0.37	0.51	0.0	7.0
S13CHAIR	11750	0.35	0.51	0.0	7.0
S14CHAIR	9349	0.35	0.49	0.0	7.0
S15CHAIR	8444	0.30	0.47	0.0	7.0
S16CHAIR	7813	0.32	0.48	0.0	7.0
R1CLIMS	12652	2.00	1.32	1.0	7.0
R2CLIMS	11385	0.55	0.95	0.0	7.0
R3CLIMS	17944	1.28	2.20	0.0	7.0
R4CLIMS	21333	1.23	2.15	0.0	7.0
R5CLIMS	19530	1.24	2.15	0.0	7.0
R6CLIMS	18141	1.26	2.11	0.0	7.0
R7CLIMS	20075	1.13	1.98	0.0	7.0
R8CLIMS	18423	1.01	1.76	0.0	7.0
R9CLIMS	17186	1.05	1.84	0.0	7.0
R10CLIMS	21835	0.75	1.36	0.0	7.0
R11CLIMS	20496	0.79	1.43	0.0	7.0
R12CLIMS	18685	0.75	1.31	0.0	7.0
R13CLIMS	20822	0.70	1.27	0.0	7.0
R14CLIMS	17112	0.52	0.65	0.0	7.0
R15CLIMS	15590	0.68	1.25	0.0	7.0

R16CLIMS	15661	0.66	1.15	0.0	7.0
S1CLIMS	9900	1.93	1.27	1.0	7.0
S2CLIMS	8719	0.50	0.91	0.0	7.0
S3CLIMS	11900	1.07	2.03	0.0	7.0
S4CLIMS	13962	1.02	1.98	0.0	7.0
S5CLIMS	12712	1.03	1.97	0.0	7.0
S6CLIMS	11628	1.03	1.92	0.0	7.0
S7CLIMS	12946	0.90	1.76	0.0	7.0
S8CLIMS	11715	0.81	1.55	0.0	7.0
S9CLIMS	10635	0.85	1.64	0.0	7.0
S10CLIMS	13401	0.60	1.15	0.0	7.0
S11CLIMS	12462	0.62	1.20	0.0	7.0
S12CLIMS	10985	0.60	1.11	0.0	7.0
S13CLIMS	11746	0.55	1.06	0.0	7.0
S14CLIMS	9350	0.44	0.60	0.0	7.0
S15CLIMS	8440	0.54	1.05	0.0	7.0
S16CLIMS	7799	0.53	1.00	0.0	7.0
R1CLIM1	12652	1.35	0.89	1.0	7.0
R2CLIM1	19546	0.53	1.41	0.0	7.0
R3CLIM1	17946	0.49	1.44	0.0	7.0
R4CLIM1	21344	0.46	1.38	0.0	7.0
R5CLIM1	19539	0.50	1.43	0.0	7.0
R6CLIM1	18147	0.47	1.34	0.0	7.0
R7CLIM1	20094	0.45	1.31	0.0	7.0
R8CLIM1	18446	0.41	1.18	0.0	7.0
R9CLIM1	17198	0.43	1.23	0.0	7.0
R10CLIM1	21866	0.31	0.90	0.0	7.0
R11CLIM1	20512	0.33	0.97	0.0	7.0
R12CLIM1	18701	0.32	0.91	0.0	7.0
R13CLIM1	20830	0.30	0.86	0.0	7.0
R14CLIM1	17109	0.23	0.53	0.0	7.0
R15CLIM1	15612	0.29	0.85	0.0	7.0
R16CLIM1	15680	0.29	0.79	0.0	7.0
S1CLIM1	9900	1.31	0.82	1.0	7.0
S2CLIM1	13022	0.33	1.05	0.0	7.0
S3CLIM1	11901	0.34	1.19	0.0	7.0
S4CLIM1	13968	0.32	1.12	0.0	7.0
S5CLIM1	12717	0.34	1.16	0.0	7.0
S6CLIM1	11632	0.31	1.07	0.0	7.0
S7CLIM1	12962	0.30	1.04	0.0	7.0
S8CLIM1	11725	0.28	0.95	0.0	7.0
S9CLIM1	10639	0.27	0.93	0.0	7.0
S10CLIM1	13423	0.21	0.71	0.0	7.0
S11CLIM1	12466	0.23	0.76	0.0	7.0
S12CLIM1	10995	0.22	0.72	0.0	7.0
S13CLIM1	11753	0.21	0.65	0.0	7.0
S14CLIM1	9350	0.17	0.45	0.0	7.0
S15CLIM1	8451	0.21	0.66	0.0	7.0
S16CLIM1	7810	0.20	0.61	0.0	7.0
R1STOOP	12652	1.77	1.09	1.0	7.0
R2STOOP	11415	0.50	0.76	0.0	7.0
R3STOOP	17945	0.55	1.00	0.0	7.0
R4STOOP	21347	0.56	1.02	0.0	7.0
R5STOOP	19546	0.58	1.04	0.0	7.0
R6STOOP	18147	0.61	1.01	0.0	7.0

R7STOOP	20098	0.62	1.07	0.0	7.0
R8STOOP	18448	0.61	0.94	0.0	7.0
R9STOOP	17200	0.62	0.97	0.0	7.0
R10STOOP	21867	0.54	0.77	0.0	7.0
R11STOOP	20502	0.55	0.83	0.0	7.0
R12STOOP	18691	0.55	0.78	0.0	7.0
R13STOOP	20834	0.52	0.76	0.0	7.0
R14STOOP	17095	0.51	0.68	0.0	7.0
R15STOOP	15599	0.51	0.71	0.0	7.0
R16STOOP	15680	0.52	0.73	0.0	7.0
S1STOOP	9900	1.72	1.04	1.0	7.0
S2STOOP	8737	0.47	0.74	0.0	7.0
S3STOOP	11902	0.47	0.87	0.0	7.0
S4STOOP	13969	0.48	0.93	0.0	7.0
S5STOOP	12722	0.50	0.90	0.0	7.0
S6STOOP	11633	0.52	0.85	0.0	7.0
S7STOOP	12964	0.53	0.94	0.0	7.0
S8STOOP	11729	0.52	0.82	0.0	7.0
S9STOOP	10641	0.53	0.82	0.0	7.0
S10STOOP	13421	0.47	0.69	0.0	7.0
S11STOOP	12461	0.47	0.70	0.0	7.0
S12STOOP	10988	0.48	0.68	0.0	7.0
S13STOOP	11757	0.45	0.66	0.0	7.0
S14STOOP	9339	0.45	0.62	0.0	7.0
S15STOOP	8447	0.45	0.64	0.0	7.0
S16STOOP	7815	0.45	0.64	0.0	7.0
R1LIFT	12652	1.51	1.05	1.0	7.0
R2LIFT	19629	0.71	1.62	0.0	7.0
R3LIFT	17949	0.63	1.59	0.0	7.0
R4LIFT	21344	0.58	1.50	0.0	7.0
R5LIFT	19543	0.58	1.50	0.0	7.0
R6LIFT	18151	0.56	1.46	0.0	7.0
R7LIFT	20103	0.53	1.40	0.0	7.0
R8LIFT	18453	0.48	1.26	0.0	7.0
R9LIFT	17200	0.49	1.28	0.0	7.0
R10LIFT	21877	0.39	0.98	0.0	7.0
R11LIFT	20515	0.40	0.99	0.0	7.0
R12LIFT	18710	0.39	0.91	0.0	7.0
R13LIFT	20851	0.36	0.87	0.0	7.0
R14LIFT	17099	0.33	0.77	0.0	7.0
R15LIFT	15615	0.33	0.79	0.0	7.0
R16LIFT	15699	0.35	0.81	0.0	7.0
S1LIFT	9900	1.45	0.98	1.0	7.0
S2LIFT	13080	0.49	1.31	0.0	7.0
S3LIFT	11904	0.44	1.32	0.0	7.0
S4LIFT	13970	0.41	1.25	0.0	7.0
S5LIFT	12721	0.39	1.20	0.0	7.0
S6LIFT	11634	0.37	1.16	0.0	7.0
S7LIFT	12967	0.36	1.12	0.0	7.0
S8LIFT	11732	0.32	0.99	0.0	7.0
S9LIFT	10642	0.32	0.99	0.0	7.0
S10LIFT	13422	0.27	0.76	0.0	7.0
S11LIFT	12470	0.27	0.77	0.0	7.0
S12LIFT	10999	0.26	0.70	0.0	7.0
S13LIFT	11764	0.25	0.70	0.0	7.0
S14LIFT	9345	0.23	0.61	0.0	7.0

S15LIFT	8454	0.24	0.66	0.0	7.0
S16LIFT	7813	0.23	0.61	0.0	7.0
R1DIME	12652	1.10	0.45	1.0	7.0
R2DIME	19628	0.11	0.52	0.0	7.0
R3DIME	17948	0.09	0.43	0.0	7.0
R4DIME	21337	0.09	0.45	0.0	7.0
R5DIME	19534	0.10	0.46	0.0	7.0
R6DIME	18140	0.10	0.44	0.0	7.0
R7DIME	20087	0.09	0.44	0.0	7.0
R8DIME	18439	0.09	0.40	0.0	7.0
R9DIME	17187	0.10	0.41	0.0	7.0
R10DIME	21864	0.09	0.37	0.0	7.0
R11DIME	20518	0.09	0.37	0.0	7.0
R12DIME	18710	0.09	0.34	0.0	7.0
R13DIME	20846	0.09	0.37	0.0	7.0
R14DIME	17087	0.08	0.30	0.0	7.0
R15DIME	15623	0.08	0.32	0.0	7.0
R16DIME	15693	0.09	0.36	0.0	7.0
S1DIME	9900	1.09	0.42	1.0	7.0
S2DIME	13082	0.08	0.43	0.0	7.0
S3DIME	11904	0.08	0.40	0.0	7.0
S4DIME	13967	0.07	0.39	0.0	7.0
S5DIME	12719	0.08	0.39	0.0	7.0
S6DIME	11630	0.07	0.36	0.0	7.0
S7DIME	12961	0.07	0.37	0.0	7.0
S8DIME	11728	0.07	0.31	0.0	7.0
S9DIME	10640	0.07	0.33	0.0	7.0
S10DIME	13418	0.07	0.32	0.0	7.0
S11DIME	12476	0.07	0.32	0.0	7.0
S12DIME	10998	0.07	0.27	0.0	7.0
S13DIME	11757	0.07	0.33	0.0	7.0
S14DIME	9339	0.06	0.29	0.0	7.0
S15DIME	8460	0.06	0.28	0.0	7.0
S16DIME	7815	0.06	0.32	0.0	7.0
R1ARMS	12652	1.20	0.63	1.0	7.0
R2ARMS	11411	0.17	0.49	0.0	4.0
R3ARMS	17949	0.21	0.65	0.0	7.0
R4ARMS	21343	0.20	0.63	0.0	7.0
R5ARMS	19537	0.20	0.60	0.0	7.0
R6ARMS	18145	0.21	0.61	0.0	7.0
R7ARMS	20100	0.20	0.60	0.0	7.0
R8ARMS	18449	0.21	0.59	0.0	7.0
R9ARMS	17199	0.20	0.56	0.0	7.0
R10ARMS	21876	0.20	0.50	0.0	7.0
R11ARMS	20523	0.20	0.51	0.0	7.0
R12ARMS	18706	0.21	0.49	0.0	7.0
R13ARMS	20846	0.20	0.48	0.0	7.0
R14ARMS	17096	0.19	0.42	0.0	7.0
R15ARMS	15611	0.18	0.45	0.0	7.0
R16ARMS	15698	0.19	0.43	0.0	7.0
S1ARMS	9900	1.18	0.58	1.0	7.0
S2ARMS	8737	0.15	0.46	0.0	4.0
S3ARMS	11903	0.18	0.58	0.0	7.0
S4ARMS	13968	0.16	0.54	0.0	7.0
S5ARMS	12716	0.16	0.52	0.0	7.0

S6ARMS	11633	0.17	0.53	0.0	7.0
S7ARMS	12964	0.16	0.52	0.0	7.0
S8ARMS	11729	0.17	0.49	0.0	7.0
S9ARMS	10641	0.16	0.50	0.0	7.0
S10ARMS	13421	0.16	0.43	0.0	7.0
S11ARMS	12472	0.16	0.45	0.0	7.0
S12ARMS	10998	0.17	0.43	0.0	7.0
S13ARMS	11761	0.16	0.43	0.0	7.0
S14ARMS	9338	0.15	0.38	0.0	7.0
S15ARMS	8451	0.15	0.39	0.0	7.0
S16ARMS	7815	0.15	0.38	0.0	7.0
R1PUSH	12652	1.52	1.08	1.0	7.0
R2PUSH	19629	0.83	1.78	0.0	7.0
R3PUSH	17947	0.89	1.96	0.0	7.0
R4PUSH	21345	0.82	1.88	0.0	7.0
R5PUSH	19540	0.81	1.87	0.0	7.0
R6PUSH	18150	0.80	1.82	0.0	7.0
R7PUSH	20098	0.71	1.69	0.0	7.0
R8PUSH	18445	0.64	1.53	0.0	7.0
R9PUSH	17198	0.65	1.56	0.0	7.0
R10PUSH	21878	0.47	1.13	0.0	7.0
R11PUSH	20515	0.48	1.17	0.0	7.0
R12PUSH	18708	0.44	1.00	0.0	7.0
R13PUSH	20853	0.42	1.03	0.0	7.0
R14PUSH	17099	0.38	0.89	0.0	7.0
R15PUSH	15613	0.36	0.88	0.0	7.0
R16PUSH	15695	0.38	0.90	0.0	7.0
S1PUSH	9900	1.47	1.01	1.0	7.0
S2PUSH	13081	0.59	1.46	0.0	7.0
S3PUSH	11904	0.68	1.73	0.0	7.0
S4PUSH	13969	0.63	1.66	0.0	7.0
S5PUSH	12720	0.59	1.59	0.0	7.0
S6PUSH	11630	0.57	1.55	0.0	7.0
S7PUSH	12961	0.51	1.42	0.0	7.0
S8PUSH	11727	0.46	1.27	0.0	7.0
S9PUSH	10639	0.43	1.24	0.0	7.0
S10PUSH	13425	0.35	0.92	0.0	7.0
S11PUSH	12469	0.35	0.94	0.0	7.0
S12PUSH	10995	0.32	0.79	0.0	7.0
S13PUSH	11762	0.30	0.82	0.0	7.0
S14PUSH	9346	0.27	0.67	0.0	7.0
S15PUSH	8455	0.26	0.70	0.0	7.0
S16PUSH	7818	0.28	0.72	0.0	7.0

Categorical Variable Codes

R1WALKS: R Diff-Walk sev blocks

Value	w1
1.Not at all diff	9441
2.A little diff	1320
3.Somewhat diff	886
4.Very diff/can't do	824
7.Don't do	181

R2WALKS: R Diff-Walk sev blocks

Value	w2
.D=DK	340
.M=Oth missing	1
.R=RF	1
0.No	14211
1.Yes,a little	1600
2.Yes,a lot	2079
3.Yes,DK/NA how much	498
4.Yes,RF how much	2
5.Can't do	371
7.Don't do	539

RwWALKS: R Diff-Walk sev blocks

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	4	3	4	3	5	4	7	11
.J=Web interview, missing								
.M=Oth missing	36	25	23	7	9	7	7	128
.R=RF	2	5	3		4	3	1	7
0.No	12593	15073	13471	12070	13706	12268	11330	15016
1.Yes	4215	5103	4964	5030	5280	5376	5100	6440
2.Can't do	609	668	571	593	599	475	449	244
7.Don't do	532	507	542	462	526	336	323	188

Value	w11	w12	w13	w14	w15	w16
.D=DK	19	21	18	8	19	21
.J=Web interview, missing						2
.M=Oth missing	18	15	36	26	73	59
.R=RF	5	1	6	3	2	5
0.No	13860	12354	14219	11485	10801	10536
1.Yes	6250	6096	6341	5379	4621	4921
2.Can't do	222	140	179	164	131	167
7.Don't do	180	120	113	81	76	76

S1WALKS: S Diff-Walk sev blocks

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
1.Not at all diff	7551
2.A little diff	1004
3.Somewhat diff	640
4.Very diff/can't do	590
7.Don't do	115

S2WALKS: S Diff-Walk sev blocks

Value	w2
.D=DK	260
.M=Oth missing	1
.R=RF	1
.U=Unmarried	5968
.V=Sp NR	584
0.No	10171
1.Yes,a little	916
2.Yes,a lot	1194
3.Yes,DK/NA how much	220
4.Yes,RF how much	1
5.Can't do	133
7.Don't do	193

SwWALKS: S Diff-Walk sev blocks

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	1		2	2	3	1	3	8
.M=Oth missing	11	6	5	3	1	1		77
.R=RF	1	1	1		2	2	1	4
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	9059	10683	9515	8476	9662	8567	7756	10021
1.Yes	2357	2789	2752	2758	2866	2854	2624	3267
2.Can't do	253	276	218	222	222	183	141	76
7.Don't do	235	225	237	178	216	127	121	60

Value	w11	w12	w13	w14	w15	w16
.D=DK	7	6	12	2	8	6
.M=Oth missing	4	3	7	6	10	11
.R=RF	1	1	2		1	3
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	9186	7982	8718	6873	6368	5742
1.Yes	3132	2935	2954	2389	2020	2000
2.Can't do	84	45	56	60	50	58
7.Don't do	70	40	30	28	20	20

R1JOG: R Diff-Jog one mile

Value	w1
1.Not at all diff	1854
2.A little diff	2230
3.Somewhat diff	2330
4.Very diff/can't do	4027
7.Don't do	2211

R2JOG: R Diff-Jog one mile

Value	w2
.D=DK	55
.Q=Not asked this wave	8222
.R=RF	4
0.No	3200
1.Yes,a little	2123
2.Yes,a lot	5302
3.Yes,DK/NA how much	68
4.Yes,RF how much	10
7.Don't do	658

RwJOG: R Diff-Jog one mile

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	2	4	4	8	10	6	14	36
.J=Web interview, missing								
.M=Oth missing	42	34	29	8	17	14	13	146
.R=RF					1	1		3
0.No	2675	3119	2618	2138	3054	2841	2661	5563
1.Yes	7231	8494	7871	8363	9523	9560	9041	12636
2.Can't do	1411	1729	1339	1404	1493	1500	1335	1060
7.Don't do	6630	8004	7717	6244	6031	4547	4153	2590

Value	w11	w12	w13	w14	w15	w16
.D=DK	23	25	42	21	25	39
.J=Web interview, missing				10	18	13
.M=Oth missing	38	33	57	33	91	78
.R=RF	1	4	2	1	2	2
0.No	5014	4684	6086	4962	4617	4698
1.Yes	12003	11467	11932	10040	8912	9045
2.Can't do	976	795	874	902	957	901
7.Don't do	2499	1739	1919	1177	1101	1011

S1JOG: S Diff-Jog one mile

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
1.Not at all diff	1495
2.A little diff	1810
3.Somewhat diff	1902
4.Very diff/can't do	3053
7.Don't do	1640

S2JOG: S Diff-Jog one mile

Value	w2
.D=DK	40
.Q=Not asked this wave	4549
.R=RF	4
.U=Unmarried	5968
.V=Sp NR	384
0.No	2492
1.Yes,a little	1684
2.Yes,a lot	3959
3.Yes,DK/NA how much	50
4.Yes,RF how much	7
7.Don't do	505

SwJOG: S Diff-Jog one mile

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	2	1	1	6	6	4	9	24
.J=Web interview, missing								
.M=Oth missing	13	8	7	4	5	4	4	89
.R=RF					1			2
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	2059	2359	1988	1640	2304	2132	1945	3904
1.Yes	4618	5300	4874	5179	5936	5896	5382	7452
2.Can't do	793	985	751	761	857	848	746	605
7.Don't do	4432	5327	5109	4049	3863	2851	2560	1437

Value	w11	w12	w13	w14	w15	w16
.D=DK	14	18	26	15	14	17
.J=Web interview, missing				5	9	
.M=Oth missing	10	10	19	7	18	23
.R=RF	1		2	1	1	1
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	3507	3228	3894	3081	2888	2664
1.Yes	7031	6410	6392	5194	4522	4223
2.Can't do	520	444	438	466	505	454
7.Don't do	1401	902	1008	589	520	458

R1WALK1: R Diff-Walk one block

Value	w1
1.Not at all diff	11271
2.A little diff	605
3.Somewhat diff	396
4.Very diff/can't do	314
7.Don't do	66

R2WALK1: R Diff-Walk one block

Value	w2
.D=DK	347
.Q=Not asked this wave	8222
.R=RF	2
0.No	10332
1.Yes,a little	294
2.Yes,a lot	441
4.Yes,RF how much	4

RwWALK1: R Diff-Walk one block

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	4	4	4	6	3	4	5	10
.J=Web interview, missing								
.M=Oth missing	36	25	23	7	9	7	8	128
.R=RF	2	5	3		3	3	1	7
0.No	15368	18287	16477	15041	16875	15257	14119	18347
1.Yes	1969	2401	2433	2517	2588	2659	2593	3242
2.Can't do	398	472	412	407	404	367	341	201
7.Don't do	214	190	226	187	247	172	150	99

Value	w11	w12	w13	w14	w15	w16
.D=DK	18	16	16	13	23	16
.J=Web interview, missing				1		4
.M=Oth missing	18	15	36	26	73	59
.R=RF	4	2	6	6	1	4
0.No	16987	15403	17397	14123	13010	12957
1.Yes	3256	3117	3241	2820	2476	2596
2.Can't do	177	119	150	111	101	113
7.Don't do	94	75	66	46	39	38

S1WALK1: S Diff-Walk one block

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
1.Not at all diff	8949
2.A little diff	420
3.Somewhat diff	273
4.Very diff/can't do	218
7.Don't do	40

S2WALK1: S Diff-Walk one block

Value	w2
.D=DK	265
.Q=Not asked this wave	4549
.R=RF	2
.U=Unmarried	5968
.V=Sp NR	384
0.No	7988
1.Yes,a little	210
2.Yes,a lot	273
4.Yes,RF how much	3

SwWALK1: S Diff-Walk one block

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	1	2	1	1		1	2	5
.M=Oth missing	10	6	5	3	1	1	1	77
.R=RF	1	1	1		1	2	1	4
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	10659	12500	11245	10166	11470	10237	9269	11854
1.Yes	1008	1217	1235	1250	1270	1305	1214	1483
2.Can't do	162	188	157	149	140	135	109	63
7.Don't do	76	66	86	70	90	54	50	27

Value	w11	w12	w13	w14	w15	w16
.D=DK	9	7	5	5	12	4
.M=Oth missing	4	3	7	6	10	12
.R=RF		1	2	1	1	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	10878	9531	10295	8127	7398	6800
1.Yes	1500	1407	1399	1162	1009	975
2.Can't do	61	39	46	42	35	38
7.Don't do	32	24	25	15	12	9

R1SIT: R Diff-Sit for 2 hours

Value	w1
1.Not at all diff	8943
2.A little diff	1763
3.Somewhat diff	1169
4.Very diff/can't do	711
7.Don't do	66

R2SIT: R Diff-Sit for 2 hours

Value	w2
.D=DK	12
.Q=Not asked this wave	8222
.R=RF	1
0.No	9166
1.Yes,a little	1324
2.Yes,a lot	895
3.Yes,DK/NA how much	4
4.Yes,RF how much	2
7.Don't do	16

RwSIT: R Diff-Sit for 2 hours

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	4	6	7	7	7	8	5	18
.J=Web interview, missing								
.M=Oth missing	35	26	23	7	10	7	8	129
.R=RF	2	5	3		6	3	1	9
0.No	14486	17275	15790	14405	16112	14718	13786	17349
1.Yes	3169	3751	3468	3498	3756	3517	3224	4376
2.Can't do	123	113	98	75	96	105	84	64
7.Don't do	172	208	189	173	142	111	109	89

Value	w11	w12	w13	w14	w15	w16
.D=DK	13	9	29	7	19	13
.J=Web interview, missing				9	11	9
.M=Oth missing	18	16	36	26	73	59
.R=RF	3	5	5	4	1	6
0.No	16186	14699	16262	13418	12674	12723
1.Yes	4174	3879	4425	3574	2833	2885
2.Can't do	63	62	73	59	52	47
7.Don't do	97	77	82	49	60	45

S1SIT: S Diff-Sit for 2 hours

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
1.Not at all diff	7049
2.A little diff	1396
3.Somewhat diff	901
4.Very diff/can't do	506
7.Don't do	48

S2SIT: S Diff-Sit for 2 hours

Value	w2
.D=DK	12
.Q=Not asked this wave	4549
.R=RF	1
.U=Unmarried	5968
.V=Sp NR	384
0.No	7111
1.Yes,a little	999
2.Yes,a lot	602
3.Yes,DK/NA how much	3
4.Yes,RF how much	2
7.Don't do	11

SwSIT: S Diff-Sit for 2 hours

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	1		2	1	4	5	1	5
.J=Web interview, missing								
.M=Oth missing	10	7	5	3	1	1	1	78
.R=RF	1	1	1		3	2	1	4
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	9701	11452	10457	9372	10519	9527	8704	10873
1.Yes	2033	2335	2120	2132	2313	2092	1856	2477
2.Can't do	67	62	43	28	52	54	27	31
7.Don't do	104	123	102	103	80	54	56	45

Value	w11	w12	w13	w14	w15	w16
.D=DK	6	6	14	3	6	4
.J=Web interview, missing					10	
.M=Oth missing	4	3	7	12	10	14
.R=RF		2	2			3
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	10092	8889	9447	7622	7076	6571
1.Yes	2303	2050	2237	1677	1323	1211
2.Can't do	34	28	34	24	27	19
7.Don't do	45	34	38	20	25	18

R1CHAIR: R Diff-Get up fr chair

Value	w1
1.Not at all diff	8152
2.A little diff	2768
3.Somewhat diff	1234
4.Very diff/can't do	472
7.Don't do	26

R2CHAIR: R Diff-Get up fr chair

Value	w2
.D=DK	7
.Q=Not asked this wave	8222
.R=RF	1
0.No	7742
1.Yes,a little	2704
2.Yes,a lot	953
3.Yes,DK/NA how much	4
4.Yes,RF how much	6
7.Don't do	3

RwCHAIR: R Diff-Get up fr chair

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	4	1	6	9	9	7	4	19
.J=Web interview, missing								
.M=Oth missing	36	26	23	7	10	7	8	129
.R=RF	3	5	3		5	3	2	10
0.No	11414	13524	12143	10715	12243	10707	10043	13238
1.Yes	6327	7602	7201	7246	7657	7547	6987	8532
2.Can't do	158	177	152	154	161	164	133	79
7.Don't do	49	49	50	34	44	34	40	27

Value	w11	w12	w13	w14	w15	w16
.D=DK	31	25	38	4	39	22
.J=Web interview, missing				2	13	11
.M=Oth missing	18	16	36	26	73	60
.R=RF	2	6	6	3	4	4
0.No	12466	11179	12856	10494	10202	10029
1.Yes	7936	7449	7877	6592	5352	5605
2.Can't do	81	53	70	16	32	44
7.Don't do	20	19	29	9	8	12

S1CHAIR: S Diff-Get up fr chair

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
1.Not at all diff	6476
2.A little diff	2188
3.Somewhat diff	902
4.Very diff/can't do	317
7.Don't do	17

S2CHAIR: S Diff-Get up fr chair

Value	w2
.D=DK	6
.Q=Not asked this wave	4549
.R=RF	1
.U=Unmarried	5968
.V=Sp NR	384
0.No	6061
1.Yes,a little	2045
2.Yes,a lot	619
3.Yes,DK/NA how much	2
4.Yes,RF how much	4
7.Don't do	3

SwCHAIR: S Diff-Get up fr chair

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	1		3	4	4	6	2	12
.J=Web interview, missing								
.M=Oth missing	11	7	5	3	1	1	1	78
.R=RF	2	1	1		3	2	2	4
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	7956	9311	8321	7254	8269	7240	6622	8569
1.Yes	3844	4563	4323	4307	4608	4412	3964	4814
2.Can't do	76	73	56	56	64	60	37	25
7.Don't do	27	25	21	15	23	14	18	11

Value	w11	w12	w13	w14	w15	w16
.D=DK	18	14	18	2	15	10
.J=Web interview, missing					6	
.M=Oth missing	4	3	7	7	10	15
.R=RF		3	4		2	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	8041	7006	7709	6105	5896	5368
1.Yes	4380	3961	4003	3235	2534	2428
2.Can't do	34	20	29	7	12	15
7.Don't do	7	5	9	2	2	2

R1CLIMS: R Diff-Climb sev flt stair

Value	w1
1.Not at all diff	6369
2.A little diff	2793
3.Somewhat diff	1506
4.Very diff/can't do	1684
7.Don't do	300

R2CLIMS: R Diff-Climb sev flt stair

Value	w2
.D=DK	34
.Q=Not asked this wave	8222
.R=RF	1
0.No	7507
1.Yes,a little	1991
2.Yes,a lot	1795
3.Yes,DK/NA how much	2
4.Yes,RF how much	1
7.Don't do	89

RwCLIMS: R Diff-Climb sev flt stair

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	9	19	22	17	39	34	22	60
.J=Web interview, missing								
.M=Oth missing	35	26	23	7	10	7	8	129
.R=RF	3	6	3		5	5	1	10
0.No	9101	10957	9791	8524	9966	8808	8177	11269
1.Yes	5540	6654	6370	6485	7007	7195	6684	8940
2.Can't do	1143	1303	1141	1123	1227	1102	967	801
7.Don't do	2160	2419	2228	2009	1875	1318	1358	825

Value	w11	w12	w13	w14	w15	w16
.D=DK	38	41	41	4	45	46
.J=Web interview, missing				1	10	13
.M=Oth missing	18	16	36	26	73	60
.R=RF	2	5	13	3	5	7
0.No	10429	9181	10954	8774	8352	8226
1.Yes	8389	8209	8493	8122	6220	6491
2.Can't do	803	641	720	153	543	561
7.Don't do	875	654	655	63	475	383

S1CLIMS: S Diff-Climb sev flt stair

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
1.Not at all diff	5188
2.A little diff	2193
3.Somewhat diff	1169
4.Very diff/can't do	1152
7.Don't do	198

S2CLIMS: S Diff-Climb sev flt stair

Value	w2
.D=DK	21
.Q=Not asked this wave	4549
.R=RF	1
.U=Unmarried	5968
.V=Sp NR	384
0.No	5966
1.Yes,a little	1466
2.Yes,a lot	1225
4.Yes,RF how much	1
7.Don't do	61

SwCLIMS: S Diff-Climb sev flt stair

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	5	10	12	8	22	16	9	29
.J=Web interview, missing								
.M=Oth missing	10	7	5	3	1	1	1	78
.R=RF	2	1	1		3	3	1	5
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	6698	7958	7081	6189	7230	6360	5744	7688
1.Yes	3525	4122	3948	3936	4263	4286	3900	5065
2.Can't do	511	605	520	499	549	464	364	317
7.Don't do	1166	1277	1163	1004	904	605	627	331

Value	w11	w12	w13	w14	w15	w16
.D=DK	18	21	20	1	21	18
.J=Web interview, missing					5	
.M=Oth missing	4	3	7	7	10	18
.R=RF		3	6		1	5
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	7082	6091	6892	5413	5085	4626
1.Yes	4699	4386	4353	3860	2989	2863
2.Can't do	339	263	271	53	202	181
7.Don't do	342	245	230	24	164	129

R1CLIM1: R Diff-Climb one flt stair

Value	w1
1.Not at all diff	10323
2.A little diff	1066
3.Somewhat diff	649
4.Very diff/can't do	527
7.Don't do	87

R2CLIM1: R Diff-Climb one flt stair

Value	w2
.D=DK	94
.M=Oth missing	1
.R=RF	1
0.No	15709
1.Yes,a little	1348
2.Yes,a lot	1155
3.Yes,DK/NA how much	493
5.Can't do	288
7.Don't do	553

RwCLIM1: R Diff-Climb one flt stair

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	6	8	13	11	20	14	10	32
.J=Web interview, missing								
.M=Oth missing	35	26	23	7	10	7	8	129
.R=RF	4	6	3		5	2	1	7
0.No	14272	17032	15323	14161	15756	14350	13348	17390
1.Yes	2248	2727	2704	2657	2917	2937	2747	3732
2.Can't do	680	783	707	690	750	687	615	452
7.Don't do	746	802	805	639	671	472	488	292

Value	w11	w12	w13	w14	w15	w16
.D=DK	21	27	39	7	28	30
.J=Web interview, missing				1	8	10
.M=Oth missing	18	16	36	26	73	60
.R=RF	3	3	7	3	2	7
0.No	16095	14607	16428	13445	12360	12258
1.Yes	3624	3495	3756	3527	2811	2996
2.Can't do	465	340	402	102	263	283
7.Don't do	328	259	244	35	178	143

S1CLIM1: S Diff-Climb one flt stair

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
1.Not at all diff	8259
2.A little diff	784
3.Somewhat diff	460
4.Very diff/can't do	345
7.Don't do	52

S2CLIM1: S Diff-Climb one flt stair

Value	w2
.D=DK	66
.M=Oth missing	1
.R=RF	1
.U=Unmarried	5968
.V=Sp NR	584
0.No	11145
1.Yes,a little	779
2.Yes,a lot	616
3.Yes,DK/NA how much	217
5.Can't do	98
7.Don't do	167

SwCLIM1: S Diff-Climb one flt stair

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	3	4	7	4	6	7	5	9
.J=Web interview, missing								
.M=Oth missing	10	7	5	3	1	1	1	78
.R=RF	3	1	1		3	2	1	3
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	10067	11834	10653	9758	10894	9788	8922	11376
1.Yes	1226	1471	1455	1375	1520	1491	1364	1797
2.Can't do	282	335	282	256	292	265	193	151
7.Don't do	326	328	327	243	256	181	160	99

Value	w11	w12	w13	w14	w15	w16
.D=DK	13	11	15	2	10	11
.J=Web interview, missing					6	
.M=Oth missing	4	3	7	6	10	15
.R=RF	1	3	4			4
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	10449	9170	9866	7850	7095	6533
1.Yes	1737	1621	1679	1450	1209	1157
2.Can't do	168	120	143	39	98	85
7.Don't do	112	84	65	11	49	35

R1STOOP: R Diff-Stoop/Kneel/Crouch

Value	w1
1.Not at all diff	7258
2.A little diff	2623
3.Somewhat diff	1414
4.Very diff/can't do	1284
7.Don't do	73

R2STOOP: R Diff-Stoop/Kneel/Crouch

Value	w2
.D=DK	4
.Q=Not asked this wave	8222
.R=RF	1
0.No	7429
1.Yes,a little	2248
2.Yes,a lot	1721
3.Yes,DK/NA how much	6
4.Yes,RF how much	7
7.Don't do	4

RwSTOOP: R Diff-Stoop/Kneel/Crouch

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	7	5	5	11	16	11	8	26
.J=Web interview, missing								
.M=Oth missing	35	26	23	7	10	7	8	131
.R=RF	4	6	4		5	3	1	10
0.No	10503	12436	11054	9602	10836	9439	8713	11629
1.Yes	6358	7618	7372	7459	7989	7962	7577	9491
2.Can't do	804	932	766	786	880	797	653	592
7.Don't do	280	361	354	300	393	250	257	155

Value	w11	w12	w13	w14	w15	w16
.D=DK	30	37	34	14	38	31
.J=Web interview, missing				7	10	13
.M=Oth missing	18	16	36	26	73	60
.R=RF	4	3	8	4	3	3
0.No	10944	9685	11280	9103	8498	8423
1.Yes	8869	8461	8939	7602	6710	6800
2.Can't do	499	407	478	319	309	367
7.Don't do	190	138	137	71	82	90

S1STOOP: S Diff-Stoop/Kneel/Crouch

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
1.Not at all diff	5832
2.A little diff	2077
3.Somewhat diff	1077
4.Very diff/can't do	871
7.Don't do	43

S2STOOP: S Diff-Stoop/Kneel/Crouch

Value	w2
.D=DK	3
.Q=Not asked this wave	4549
.R=RF	1
.U=Unmarried	5968
.V=Sp NR	384
0.No	5859
1.Yes,a little	1701
2.Yes,a lot	1164
3.Yes,DK/NA how much	4
4.Yes,RF how much	6
7.Don't do	3

SwSTOOP: S Diff-Stoop/Kneel/Crouch

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	2	3	1	3	4	3	3	9
.J=Web interview, missing								
.M=Oth missing	10	7	5	3	1	1	1	79
.R=RF	3	1	2		3	2	1	4
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	7441	8694	7669	6646	7561	6521	5861	7689
1.Yes	3960	4692	4564	4549	4866	4767	4436	5441
2.Can't do	376	400	333	321	361	341	247	230
7.Don't do	125	183	156	117	176	100	97	61

Value	w11	w12	w13	w14	w15	w16
.D=DK	17	20	12	8	14	8
.J=Web interview, missing				4	5	
.M=Oth missing	4	3	7	6	10	15
.R=RF	2	1	3	1	1	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	7189	6202	6890	5416	4940	4577
1.Yes	4992	4568	4649	3774	3352	3097
2.Can't do	218	172	175	125	129	116
7.Don't do	62	46	43	24	26	25

R1LIFT: R Diff-Lift/carry 10lbs

Value	w1
1.Not at all diff	9451
2.A little diff	1363
3.Somewhat diff	823
4.Very diff/can't do	886
7.Don't do	129

R2LIFT: R Diff-Lift/carry 10lbs

Value	w2
.D=DK	10
.M=Oth missing	1
.R=RF	2
0.No	14504
1.Yes,a little	1873
2.Yes,a lot	1958
3.Yes,DK/NA how much	9
4.Yes,RF how much	4
5.Can't do	480
7.Don't do	801

RwLIFT: R Diff-Lift/carry 10lbs

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	3	6	7	7	12	7	7	17
.J=Web interview, missing								
.M=Oth missing	35	27	23	7	10	7	9	131
.R=RF	4	7	5		4	2	1	9
0.No	13089	15686	14321	13257	14844	13476	12449	15811
1.Yes	3187	3860	3705	3492	3810	3840	3701	5288
2.Can't do	721	814	606	615	662	571	509	423
7.Don't do	952	984	911	787	787	566	541	355

Value	w11	w12	w13	w14	w15	w16
.D=DK	17	18	20	11	27	12
.J=Web interview, missing				4	3	10
.M=Oth missing	18	16	36	26	74	60
.R=RF	4	3	5	6	4	6
0.No	14819	13288	15202	12507	11492	11410
1.Yes	4984	4871	5090	4231	3786	3913
2.Can't do	363	302	314	221	196	225
7.Don't do	349	249	245	140	141	151

S1LIFT: S Diff-Lift/carry 10lbs

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
1.Not at all diff	7633
2.A little diff	1010
3.Somewhat diff	600
4.Very diff/can't do	574
7.Don't do	83

S2LIFT: S Diff-Lift/carry 10lbs

Value	w2
.D=DK	7
.M=Oth missing	1
.R=RF	2
.U=Unmarried	5968
.V=Sp NR	584
0.No	10408
1.Yes,a little	1102
2.Yes,a lot	1056
3.Yes,DK/NA how much	6
4.Yes,RF how much	3
5.Can't do	197
7.Don't do	308

SwLIFT: S Diff-Lift/carry 10lbs

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		2	1	2	2	1	1	8
.J=Web interview, missing								
.M=Oth missing	10	7	5	3	1	1	2	79
.R=RF	3	1	3		2	1	1	4
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	9407	11124	10167	9352	10431	9388	8501	10572
1.Yes	1780	2066	1939	1748	1968	1925	1797	2579
2.Can't do	304	354	266	239	264	215	157	157
7.Don't do	413	426	349	295	304	204	187	114

Value	w11	w12	w13	w14	w15	w16
.D=DK	8	7	5	4	11	7
.J=Web interview, missing				1	1	
.M=Oth missing	4	3	7	6	10	16
.R=RF	2	3	3	2	1	4
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	9867	8632	9379	7476	6825	6244
1.Yes	2362	2196	2204	1747	1512	1474
2.Can't do	132	97	103	83	68	61
7.Don't do	109	74	78	39	49	34

R1DIME: R Diff-Pick up a dime

Value	w1
1.Not at all diff	11836
2.A little diff	455
3.Somewhat diff	246
4.Very diff/can't do	106
7.Don't do	9

R2DIME: R Diff-Pick up a dime

Value	w2
.D=DK	11
.M=Oth missing	1
.R=RF	2
0.No	18373
1.Yes,a little	757
2.Yes,a lot	408
3.Yes,DK/NA how much	1
4.Yes,RF how much	1
5.Can't do	51
7.Don't do	37

RwDIME: R Diff-Pick up a dime

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	5	13	17	18	28	21	20	31
.J=Web interview, missing								
.M=Oth missing	35	28	23	7	10	7	9	131
.R=RF	3	6	4		4	2	1	8
0.No	16590	19782	18045	16764	18610	16952	15751	20187
1.Yes	1216	1372	1319	1230	1334	1358	1318	1585
2.Can't do	103	128	117	105	96	103	89	67
7.Don't do	39	55	53	41	47	26	29	25

Value	w11	w12	w13	w14	w15	w16
.D=DK	17	20	24	25	17	22
.J=Web interview, missing				3	8	9
.M=Oth missing	18	16	36	26	74	60
.R=RF	1	1	6	5	1	3
0.No	18888	17084	19233	15795	14508	14505
1.Yes	1530	1573	1531	1255	1069	1131
2.Can't do	78	41	58	31	37	39
7.Don't do	22	12	24	6	9	18

S1DIME: S Diff-Pick up a dime

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
1.Not at all diff	9330
2.A little diff	337
3.Somewhat diff	152
4.Very diff/can't do	75
7.Don't do	6

S2DIME: S Diff-Pick up a dime

Value	w2
.D=DK	5
.M=Oth missing	1
.R=RF	2
.U=Unmarried	5968
.V=Sp NR	584
0.No	12420
1.Yes,a little	420
2.Yes,a lot	204
3.Yes,DK/NA how much	1
4.Yes,RF how much	1
5.Can't do	24
7.Don't do	12

SwDIME: S Diff-Pick up a dime

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	1	5	4	6	8	5	3	13
.J=Web interview, missing								
.M=Oth missing	10	7	5	3	1	1	2	79
.R=RF	2	1	2		2	1	1	3
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	11172	13179	11950	10965	12240	10985	9977	12611
1.Yes	666	707	704	607	666	696	624	772
2.Can't do	43	55	41	42	34	40	30	24
7.Don't do	23	26	24	16	21	7	9	11

Value	w11	w12	w13	w14	w15	w16
.D=DK	4	10	12	9	4	7
.J=Web interview, missing				2	3	
.M=Oth missing	4	3	7	6	10	15
.R=RF		1	3	2		3
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	11713	10247	11063	8788	7988	7366
1.Yes	724	729	655	529	454	428
2.Can't do	28	21	27	17	14	14
7.Don't do	11	1	12	5	4	7

R1ARMS: R Diff-Reach/extnd arms up

Value	w1
1.Not at all diff	11126
2.A little diff	831
3.Somewhat diff	412
4.Very diff/can't do	267
7.Don't do	16

R2ARMS: R Diff-Reach/extnd arms up

Value	w2
.D=DK	8
.Q=Not asked this wave	8222
.R=RF	1
0.No	9972
1.Yes,a little	892
2.Yes,a lot	543
3.Yes,DK/NA how much	1
4.Yes,RF how much	3

RwARMS: R Diff-Reach/extnd arms up

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	4	8	13	13	14	10	9	17
.J=Web interview, missing								
.M=Oth missing	35	27	23	7	10	7	8	131
.R=RF	3	6	5		5	3	1	10
0.No	14909	17856	16340	15024	16761	15218	14211	17822
1.Yes	2738	3158	2938	2879	3067	2993	2794	3892
2.Can't do	201	220	173	160	186	164	139	119
7.Don't do	101	109	86	82	86	74	55	43

Value	w11	w12	w13	w14	w15	w16
.D=DK	12	21	24	13	25	19
.J=Web interview, missing				5	11	8
.M=Oth missing	18	16	36	26	74	60
.R=RF	1	4	6	6	2	2
0.No	16778	15041	16965	13926	12896	12748
1.Yes	3593	3561	3750	3102	2653	2880
2.Can't do	109	73	102	62	43	63
7.Don't do	43	31	29	6	19	7

S1ARMS: S Diff-Reach/extnd arms up

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
1.Not at all diff	8838
2.A little diff	588
3.Somewhat diff	290
4.Very diff/can't do	174
7.Don't do	10

S2ARMS: S Diff-Reach/extnd arms up

Value	w2
.D=DK	3
.Q=Not asked this wave	4549
.R=RF	1
.U=Unmarried	5968
.V=Sp NR	384
0.No	7771
1.Yes,a little	622
2.Yes,a lot	341
3.Yes,DK/NA how much	1
4.Yes,RF how much	2

SwARMS: S Diff-Reach/extnd arms up

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	2	4	6	3	4	4	3	9
.J=Web interview, missing								
.M=Oth missing	10	7	5	3	1	1	1	79
.R=RF	2	1	3		3	1	1	4
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	10178	12052	10971	9950	11132	10010	9146	11378
1.Yes	1590	1771	1633	1584	1719	1632	1417	1987
2.Can't do	85	100	76	64	77	61	51	41
7.Don't do	50	45	36	35	36	26	27	15

Value	w11	w12	w13	w14	w15	w16
.D=DK	8	10	9	6	10	8
.J=Web interview, missing				5	6	
.M=Oth missing	4	3	7	6	10	15
.R=RF		1	2	3		2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	10615	9232	9949	7942	7260	6649
1.Yes	1795	1727	1764	1367	1169	1148
2.Can't do	43	29	36	27	18	16
7.Don't do	19	10	12	2	4	2

R1PUSH: R Diff-Push/pull large obj

Value	w1
1.Not at all diff	9303
2.A little diff	1577
3.Somewhat diff	766
4.Very diff/can't do	843
7.Don't do	163

R2PUSH: R Diff-Push/pull large obj

Value	w2
.D=DK	9
.M=Oth missing	1
.R=RF	3
0.No	14115
1.Yes,a little	1758
2.Yes,a lot	1786
3.Yes,DK/NA how much	493
4.Yes,RF how much	10
5.Can't do	407
7.Don't do	1060

RwPUSH: R Diff-Push/pull large obj

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	4	6	10	8	15	15	10	16
.J=Web interview, missing								
.M=Oth missing	36	27	23	7	10	7	8	131
.R=RF	4	6	5		6	2	1	9
0.No	12225	14799	13547	12373	14065	12620	11889	15174
1.Yes	3302	3918	3713	3701	4021	4254	3859	5698
2.Can't do	864	951	757	744	785	679	573	489
7.Don't do	1556	1677	1523	1332	1227	892	877	517

Value	w11	w12	w13	w14	w15	w16
.D=DK	17	19	18	9	24	20
.J=Web interview, missing				7	10	8
.M=Oth missing	18	16	36	26	74	60
.R=RF	4	4	5	5	2	4
0.No	14181	12813	14757	12122	11310	11198
1.Yes	5367	5231	5380	4524	3885	4047
2.Can't do	441	346	328	239	224	245
7.Don't do	526	318	388	214	194	205

S1PUSH: S Diff-Push/pull large obj

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
1.Not at all diff	7471
2.A little diff	1225
3.Somewhat diff	551
4.Very diff/can't do	547
7.Don't do	106

S2PUSH: S Diff-Push/pull large obj

Value	w2
.D=DK	6
.M=Oth missing	1
.R=RF	2
.U=Unmarried	5968
.V=Sp NR	584
0.No	10099
1.Yes,a little	1118
2.Yes,a lot	1043
3.Yes,DK/NA how much	216
4.Yes,RF how much	7
5.Can't do	168
7.Don't do	430

SwPUSH: S Diff-Push/pull large obj

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		3	2	6	6	6	5	5
.J=Web interview, missing								
.M=Oth missing	10	7	5	3	1	1	1	79
.R=RF	3	1	3		4	1	1	4
.U=Unmarried	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	417	536	311	220	380	317	365	724
0.No	8758	10457	9578	8764	9887	8805	8123	10129
1.Yes	2000	2264	2127	1987	2208	2293	1987	2915
2.Can't do	381	430	340	299	335	264	213	190
7.Don't do	765	818	675	580	531	365	316	191

Value	w11	w12	w13	w14	w15	w16
.D=DK	10	12	8	1	8	6
.J=Web interview, missing				5	4	
.M=Oth missing	4	3	7	6	10	13
.R=RF	1	2	2			3
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
0.No	9391	8254	9051	7204	6648	6029
1.Yes	2716	2521	2474	2001	1683	1650
2.Can't do	176	117	114	89	67	85
7.Don't do	186	103	123	52	57	54

How Constructed

These variables recode raw variables for difficulty with activities besides activities of daily living (ADLs) and instrumental activities of daily living (IADLs) as they appear in the raw data, except for missing values, and accounting for skip patterns. The activities described here include walking several blocks (RwWALKS), jogging one mile (RwJOG), walking one block (RwWALK1), sitting for about 2 hours (RwSIT), getting up from a chair after sitting for long periods (RwCHAIR), climbing several flights of stairs without resting (RwCLIMS), climbing one flight of stairs without resting (RwCLIM1), lifting or carrying weights over 10 pounds (RwLIFT), stooping kneeling, or crouching (RwSTOOP), reaching arms above shoulder level (RwARMS), pushing or pulling large objects (RwPUSH), and picking up a dime from the table (RwDIME). These variables are referred to as Rw[func] in the descriptions below.

Note that RwJOG, RwWALK1, RwCLIMS, RwSIT, RwCHAIR, RwSTOOP, and RwARMS are not asked in Wave 2A. These variables are set to .Q in Wave 2 for AHEAD Respondents.

The recodes vary across waves because the question and responses can vary across waves. In Wave 1, the HRS imputations are left in place. In all other waves "don't know" is recoded to special missing code .D and "refused" is recoded to .R. In Wave 1 "difficulty with an activity" is rated on a 4-point scale from "no difficulty" to "very difficult/can't do." These are assigned without change. A "don't do" answer is recoded to "7."

In Wave 2, the question asks if the Respondent has any difficulty with an activity and if so, asks follow-up questions about the degree of difficulty. In Wave 2H, the raw variable codes both questions as one categorical variable. In Wave 2A the answer to the first question and a categorical variable for the follow-up are given. In either case, a "no" answer to the first question about any difficulty is recoded to "0," and the categorical levels of difficulty are recoded appropriately to "a little" and "a lot," or "don't know/refused how much." In Wave 2A, "can't do" is recoded to "5." In Wave 2H, the "can't do" is not allowed. A "don't do" response is coded as "7."

From Wave 3 forward, the answers are simply "yes" for difficulty and "no" if not, which are coded "1" and "0," respectively. A "can't do" response is recoded to "2" and a "don't do" response is recoded to "7."

In some waves, questions about activities are skipped based on answers to previous questions. In Waves 1 and 2H, if a Respondent reports no difficulty jogging a mile, then the questions about walking several blocks and walking one block are skipped. In these cases, RwWALKS and RwWALK1 are set to "0" for "no difficulty." In Wave 2A if the Respondent reports needing help in getting across a room, then the questions about walking several blocks, climbing one flight of stairs, and pushing large objects are skipped. In these cases difficulty is assumed for the skipped activities, and R2WALKS, R2CLIM1, and R2PUSH are set to "3, difficulty," but how much is not ascertained.

From Wave 3 forward, if the Respondent reports no difficulty walking several blocks, the question about walking one block is skipped, and RwWALK1 is set to "0" for "no difficulty." If the Respondent reports difficulty walking several blocks, the question about jogging one mile is skipped and RwJOG is set to "1" for "difficulty." If the Respondent reports "can't do" or "don't do" for walking several blocks, the question about jogging one mile is also skipped and RwJOG is set to can't do or don't do, respectively. If the Respondent reports "don't do" for walking several blocks and "can't do" for walking 1 block, then RwJOG is set to "can't do" since that is more indicative of their level.

In all waves except 2A, if the Respondent said no difficulty to climbing several flights of stairs, the question about climbing one flight of stairs is skipped, and RwCLIM1 is set to "0" for no difficulty.

The spouse variables are taken from the spouse's self-reported Wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

There are other versions of the Rw[func] variables that recode to a yes/no measure for use in creating indices. One version of this variable is derived that attempts to code a consistent cross-wave yes/no dummy that indicates "any difficulty" (Rw[func]A). These are available from Wave 2 forward. Because of the inconsistent coding of the underlying HRS data, we do not construct R1[func]A variables in Wave 1. Please see the description of the Rw[func]A variables under "Other functional limitations: Any difficulty" for this version. Some of the Rw[func]A variables are used to construct functional limitation indices. Please see "Other Summary Indices."

A third version of these variables are derived for Wave 1 only (R1[func]W). They code a yes/no dummy that indicates "any

difficulty" in a manner used by Wallace and Herzog in their paper. These are provided for comparison to the results found in that paper. Please see "Other functional limitations: Recodes for comparison to Wallace and Herzog" for a description of the R1[func]W variables. Note that the Wallace and Herzog variables result in more limitation than the 0/1 recodes done in other waves (Rw[func]A) solely due to measurement differences in the raw data. The R1[func]W variables are not appropriate for comparison to the Rw[func]A variables in other waves.

Cross Wave Differences in Original HRS Data

In all waves questions ask about a number of activities, such as climbing stairs or picking up a dime, but the question wording and possible answers vary. In Waves 1 and 2H, questions about activities of daily living (ADLs) are embedded among those about other functional limitations. This description applies to the other functional limitations. The Wave 1 questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. Please look at the answer categories at the top of page one of the booklet and tell me how difficult each activity is for you. Exclude any difficulties that you expect to last less than three months. How difficult is it for you to [...]? Is it not at all difficult, a little difficult, somewhat difficult, very difficult, or something that you can't do at all?"

The Respondent can also answer "don't do." The answers translate into 4 codes: 1 for "not at all difficult," 2 for "a little difficult," 3 for "somewhat difficult," and 4 for "very difficult/can't do." Another code is used for the "Don't do" response. The first question asks how difficult it is to run or jog a mile. The specific wording for the other functional limitations (besides ADLs) is: walk several blocks; walk one block; sit for about 2 hours; get up from a chair after sitting for long periods; climb several flights of stairs without resting; climb one flight of stairs without resting; lift or carry weights over 10 pounds like a heavy bag of groceries; stoop, kneel, or crouch; pick up a dime from the table; reach or extend your arms above shoulder level; and push or pull large objects like a living room chair. If the Respondent says they have "no difficulty" with running a mile, then all the questions about walking, including several blocks, one block, and across a room, are skipped. If "no difficulty" is reported for walking several blocks then the questions about walking one block or across a room are skipped, and if "no difficulty" is reported for walking one block, the question about walking across a room is skipped. Likewise if "no difficulty" climbing several flights of stairs is reported, the question about climbing one flight of stairs is skipped.

In Wave 2H the questions and answers differ. The questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. Please tell me how difficult each of the following activities is for you. Exclude any difficulties that you expect to last less than three months. Do you have any difficulty with ...?" [IF YES] "Is that a little difficulty or a lot of difficulty?"

In the data the answers to the two-part question are recoded into 5-categories: 1=yes, a little difficult; 2=yes, a lot; 3=yes, DK; 4=yes, RF; 5=No; 6=doesn't do. Note that there is no "Can't do" category and that "Don't do" is not an option in the instrument. The "Doesn't do" category is likely the result of post-interview interpretation of interview comments, so may be observed less frequently than in other waves, simply because of questionnaire differences. The number of "Don't do" responses is much larger in other waves for most activities. The specific wording for these activities and the question skips for walking and climbing stairs are the same as in Wave 1.

In Wave 2A, the questions are different from other waves and the list of activities is shorter. Also the ADL questions are asked first as a group. The questions ask about functional difficulties besides ADLs and IADLs:

"Do you have any difficulty ...?" Answers may be "yes," "no," "can't do" and "don't do." [If YES]: "Is that a little, or a lot of difficulty?" [If DON'T DO to the first question]: "Is that because of a health problem?"

The specific wording for these activities is: walking several blocks; climbing one flight of stairs without resting; pushing or pulling large objects like a living room chair; lifting or carrying weights over 10 pounds like a heavy bag of groceries; and picking up a dime from the table. If the Respondent reports needing help getting across a room earlier in the interview, then the questions about walking several blocks, climbing stairs, and pushing large objects are skipped.

From Wave 3 forward, the questions about ADLs and IADLs are asked after those about the other activities described here. The questions ask:

"We need to understand difficulties people may have with various activities because of a health or physical problem. Please tell me whether you have any difficulty doing each of the everyday activities that I read to you. Exclude any difficulties that you expect to last less than three months. Because of a health problem do you have any difficulty with ...?"

The answers to the difficulty questions are simply yes, no, can't do, or don't do. The exact wording for these activities is: walking several blocks; running or jogging about a mile; across a room; walking one block; sitting for about 2 hours; getting up from a chair after sitting for long periods; climbing several flights of stairs without resting; climbing one flight of stairs without resting; stooping, kneeling, or crouching; reaching or extending your arms above shoulder level; pushing or pulling large objects like a living room chair; lifting or carrying weights over 10 pounds like a heavy bag of groceries; and picking up a dime from the table. If the Respondent reports no difficulty to walking several blocks, then the question about running a mile is asked, and the question about walking one block is skipped. If the Respondent reports difficulty to walking several blocks, then the question about running a mile is skipped. The question about climbing one flight of stairs is skipped if no difficulty is reported for climbing several flights of stairs.

In Wave 7, the interviewer may also say the following if the Respondent is in a nursing home or confined to bed or a wheelchair, before asking about these activities:

"I am required to ask about all of these activities. I realize that you may not be able to do some of them, but I would appreciate it if you would just confirm that with me as we go through the list."

HRS Variables Used

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HRS 1992:
    V304            B4A:RUN OR JOG 1 MIL:IMP
    V305            B4B:WALK SEVERAL BLO:IMP
    V306            B4C:WALK 1 BLOCK    :IMP
    V308            B4E:SIT FOR 2 HOURS :IMP
    V309            B4F:GET UP AFTR SIT :IMP
    V311            B4H:CLMB SVRL FLTS S:IMP
    V312            B4J:1 FLT STAIRS-NO :IMP
    V313            B4K:LIFT/CARRY 10 LB:IMP
    V314            B4M:STOOP/KNEEL/CROU:IMP
    V315            B4N:PCK UP DIME FRM :IMP
    V317            B4Q:ARMS OVER SHOULD:IMP
    V318            B4R:PULL/PUSH LRG OB:IMP
AHEAD 1993:
    B768            E33. ADL WALK HELP EVER
    B852            E47. WALK SEV BLOCKS ANY DIFFICULTY
    B865            E48. STAIR CLIMB ANY DIFFICULTY
    B872            E49. HEAVY OBJ ANY DIFFICULTY
    B879            E50. LIFT 10 LBS ANY DIFFICULTY
    B882            E51. PICK UP DIME ANY DIFFICULTY
HRS 1994:
    W306            B4.RUNNING/JOGGING 1 MIL
    W307            B4a.WALKING SEVERAL BLOC
    W308            B4b.WALKING ONE BLOCK
    W311            B4e.GETTING UP AFTER SIT
    W313            B4g.CLIMBING SEVERAL FLI
    W314            B4h.CLIMBING ONE FLIGHT
    W315            B4j.LIFTING OR CARRYING
    W316            B4k.STOOPING/KNEELING/CR
    W317            B4m.PICKING UP A DIME
    W319            B4p.EXTENDING ARMS ABOVE
    W320            B4q.PULLING/PUSHING LARG
AHEAD 1995:
    D1834           E60.DIFF-SEV BLKS
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    D1837           E61.DIFF-JOG
    D1840           E62.DIFF-1 BLK
    D1843           E63.DIFF-SIT
    D1846           E64.DIFF-CHAIR
    D1849           E65.DIFF-STAIRS
    D1852           E66.DIFF-1 STAIR
    D1855           E67.DIFF-STOOP
    D1858           E68.DIFF-REACH
    D1861           E69.DIFF-PULL PUSH
    D1864           E70.E70.DIFF-WEIGHTS
    D1867           E71.PICK DIME
HRS 1996:
    E1858           E60.DIFF-SEV BLKS
    E1861           E61.DIFF-JOG
    E1864           E62.DIFF-1 BLK
    E1867           E63.DIFF-SIT
    E1870           E64.DIFF-CHAIR
    E1873           E65.DIFF-STAIRS
    E1876           E66.DIFF-1 STAIR
    E1879           E67.DIFF-STOOP
    E1882           E68.DIFF-REACH
    E1885           E69.DIFF-PULL PUSH
    E1888           E70.DIFF-WEIGHTS
    E1891           E71.PICK DIME
HRS 1998:
    F2391           E60.DIFF-SEV BLKS
    F2392           E61.DIFF-JOG
    F2394           E62.DIFF-1 BLK
    F2397           E63.DIFF-SIT
    F2400           E64.DIFF-CHAIR
    F2403           E65.DIFF-STAIRS
    F2406           E66.DIFF-1 STAIR
    F2409           E67.DIFF-STOOP
    F2412           E68.DIFF-REACH
    F2415           E69.DIFF-PULL PUSH
    F2418           E70.DIFF-WEIGHTS
    F2421           E71.PICK DIME
HRS 2000:
    G2689           E60.DIFF-SEV BLKS
    G2690           E61.DIFF-JOG
    G2692           E62.DIFF-1 BLK
    G2695           E63.DIFF-SIT
    G2698           E64.DIFF-CHAIR
    G2701           E65.DIFF-STAIRS
    G2704           E66.DIFF-1 STAIR
    G2707           E67.DIFF-STOOP
    G2710           E68.DIFF-REACH
    G2713           E69.DIFF-PULL PUSH
    G2716           E70.DIFF-WEIGHTS
    G2719           E71.PICK DIME
HRS 2002-2022:
    xG001           DIFFICULTY- WALKING SEVERAL BLOCKS
    xG002           DIFFICULTY- JOGGING 1 MILE
    xG003           DIFFICULTY- WALKING 1 BLOCK
    xG004           DIFFICULTY- SITTING 2 HOURS
    xG005           DIFFICULTY- GETTING UP FROM CHAIR
    xG006           DIFFICULTY- CLIMBING STAIRS
    xG007           DIFFICULTY- CLIMBING 1 FLIGHT OF STAIRS
    xG008           DIFFICULTY- STOOPING
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xG009           DIFFICULTY- REACHING ARMS
xG010           DIFFICULTY- PULL/PUSH LARGE OBJECTS
xG011           DIFFICULTY- LIFTING WEIGHTS
xG012           DIFFICULTY- PICKING UP DIME
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Other Functional Limitations: Any difficulty

Wave	Variable	Label	Type
2	R2WALKSA	R2WALKSA:W2 R Any Diff-Walk sev blocks	Categ
3	R3WALKSA	R3WALKSA:W3 R Any Diff-Walk sev blocks	Categ
4	R4WALKSA	R4WALKSA:W4 R Any Diff-Walk sev blocks	Categ
5	R5WALKSA	R5WALKSA:W5 R Any Diff-Walk sev blocks	Categ
6	R6WALKSA	R6WALKSA:W6 R Any Diff-Walk sev blocks	Categ
7	R7WALKSA	R7WALKSA:W7 R Any Diff-Walk sev blocks	Categ
8	R8WALKSA	R8WALKSA:W8 R Any Diff-Walk sev blocks	Categ
9	R9WALKSA	R9WALKSA:W9 R Any Diff-Walk sev blocks	Categ
10	R10WALKSA	R10WALKSA:W10 R Any Diff-Walk sev blocks	Categ
11	R11WALKSA	R11WALKSA:W11 R Any Diff-Walk sev blocks	Categ
12	R12WALKSA	R12WALKSA:W12 R Any Diff-Walk sev blocks	Categ
13	R13WALKSA	R13WALKSA:W13 R Any Diff-Walk sev blocks	Categ
14	R14WALKSA	R14WALKSA:W14 R Any Diff-Walk sev blocks	Categ
15	R15WALKSA	R15WALKSA:W15 R Any Diff-Walk sev blocks	Categ
16	R16WALKSA	R16WALKSA:W16 R Any Diff-Walk sev blocks	Categ
2	S2WALKSA	S2WALKSA:W2 S Any Diff-Walk sev blocks	Categ
3	S3WALKSA	S3WALKSA:W3 S Any Diff-Walk sev blocks	Categ
4	S4WALKSA	S4WALKSA:W4 S Any Diff-Walk sev blocks	Categ
5	S5WALKSA	S5WALKSA:W5 S Any Diff-Walk sev blocks	Categ
6	S6WALKSA	S6WALKSA:W6 S Any Diff-Walk sev blocks	Categ
7	S7WALKSA	S7WALKSA:W7 S Any Diff-Walk sev blocks	Categ
8	S8WALKSA	S8WALKSA:W8 S Any Diff-Walk sev blocks	Categ
9	S9WALKSA	S9WALKSA:W9 S Any Diff-Walk sev blocks	Categ
10	S10WALKSA	S10WALKSA:W10 S Any Diff-Walk sev blocks	Categ
11	S11WALKSA	S11WALKSA:W11 S Any Diff-Walk sev blocks	Categ
12	S12WALKSA	S12WALKSA:W12 S Any Diff-Walk sev blocks	Categ
13	S13WALKSA	S13WALKSA:W13 S Any Diff-Walk sev blocks	Categ
14	S14WALKSA	S14WALKSA:W14 S Any Diff-Walk sev blocks	Categ
15	S15WALKSA	S15WALKSA:W15 S Any Diff-Walk sev blocks	Categ
16	S16WALKSA	S16WALKSA:W16 S Any Diff-Walk sev blocks	Categ
2	R2JOGA	R2JOGA:W2 R Any Diff-Jog one mile	Categ
3	R3JOGA	R3JOGA:W3 R Any Diff-Jog one mile	Categ
4	R4JOGA	R4JOGA:W4 R Any Diff-Jog one mile	Categ
5	R5JOGA	R5JOGA:W5 R Any Diff-Jog one mile	Categ
6	R6JOGA	R6JOGA:W6 R Any Diff-Jog one mile	Categ
7	R7JOGA	R7JOGA:W7 R Any Diff-Jog one mile	Categ
8	R8JOGA	R8JOGA:W8 R Any Diff-Jog one mile	Categ
9	R9JOGA	R9JOGA:W9 R Any Diff-Jog one mile	Categ
10	R10JOGA	R10JOGA:W10 R Any Diff-Jog one mile	Categ
11	R11JOGA	R11JOGA:W11 R Any Diff-Jog one mile	Categ
12	R12JOGA	R12JOGA:W12 R Any Diff-Jog one mile	Categ
13	R13JOGA	R13JOGA:W13 R Any Diff-Jog one mile	Categ
14	R14JOGA	R14JOGA:W14 R Any Diff-Jog one mile	Categ
15	R15JOGA	R15JOGA:W15 R Any Diff-Jog one mile	Categ
16	R16JOGA	R16JOGA:W16 R Any Diff-Jog one mile	Categ
2	S2JOGA	S2JOGA:W2 S Any Diff-Jog one mile	Categ
3	S3JOGA	S3JOGA:W3 S Any Diff-Jog one mile	Categ
4	S4JOGA	S4JOGA:W4 S Any Diff-Jog one mile	Categ
5	S5JOGA	S5JOGA:W5 S Any Diff-Jog one mile	Categ
6	S6JOGA	S6JOGA:W6 S Any Diff-Jog one mile	Categ
7	S7JOGA	S7JOGA:W7 S Any Diff-Jog one mile	Categ
8	S8JOGA	S8JOGA:W8 S Any Diff-Jog one mile	Categ
9	S9JOGA	S9JOGA:W9 S Any Diff-Jog one mile	Categ
10	S10JOGA	S10JOGA:W10 S Any Diff-Jog one mile	Categ
11	S11JOGA	S11JOGA:W11 S Any Diff-Jog one mile	Categ
12	S12JOGA	S12JOGA:W12 S Any Diff-Jog one mile	Categ
13	S13JOGA	S13JOGA:W13 S Any Diff-Jog one mile	Categ
14	S14JOGA	S14JOGA:W14 S Any Diff-Jog one mile	Categ
15	S15JOGA	S15JOGA:W15 S Any Diff-Jog one mile	Categ
16	S16JOGA	S16JOGA:W16 S Any Diff-Jog one mile	Categ
2	R2WALK1A	R2WALK1A:W2 R Any Diff-Walk one block	Categ
3	R3WALK1A	R3WALK1A:W3 R Any Diff-Walk one block	Categ

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 4    R4WALK1A            R4WALK1A:W4 R Any Diff-Walk one block                    Categ
 5    R5WALK1A            R5WALK1A:W5 R Any Diff-Walk one block                    Categ
 6    R6WALK1A            R6WALK1A:W6 R Any Diff-Walk one block                    Categ
 7    R7WALK1A            R7WALK1A:W7 R Any Diff-Walk one block                    Categ
 8    R8WALK1A            R8WALK1A:W8 R Any Diff-Walk one block                    Categ
 9    R9WALK1A            R9WALK1A:W9 R Any Diff-Walk one block                    Categ
10    R10WALK1A           R10WALK1A:W10 R Any Diff-Walk one block                  Categ
11    R11WALK1A           R11WALK1A:W11 R Any Diff-Walk one block                  Categ
12    R12WALK1A           R12WALK1A:W12 R Any Diff-Walk one block                  Categ
13    R13WALK1A           R13WALK1A:W13 R Any Diff-Walk one block                  Categ
14    R14WALK1A           R14WALK1A:W14 R Any Diff-Walk one block                  Categ
15    R15WALK1A           R15WALK1A:W15 R Any Diff-Walk one block                  Categ
16    R16WALK1A           R16WALK1A:W16 R Any Diff-Walk one block                  Categ

 2    S2WALK1A            S2WALK1A:W2 S Any Diff-Walk one block                    Categ
 3    S3WALK1A            S3WALK1A:W3 S Any Diff-Walk one block                    Categ
 4    S4WALK1A            S4WALK1A:W4 S Any Diff-Walk one block                    Categ
 5    S5WALK1A            S5WALK1A:W5 S Any Diff-Walk one block                    Categ
 6    S6WALK1A            S6WALK1A:W6 S Any Diff-Walk one block                    Categ
 7    S7WALK1A            S7WALK1A:W7 S Any Diff-Walk one block                    Categ
 8    S8WALK1A            S8WALK1A:W8 S Any Diff-Walk one block                    Categ
 9    S9WALK1A            S9WALK1A:W9 S Any Diff-Walk one block                    Categ
10    S10WALK1A           S10WALK1A:W10 S Any Diff-Walk one block                  Categ
11    S11WALK1A           S11WALK1A:W11 S Any Diff-Walk one block                  Categ
12    S12WALK1A           S12WALK1A:W12 S Any Diff-Walk one block                  Categ
13    S13WALK1A           S13WALK1A:W13 S Any Diff-Walk one block                  Categ
14    S14WALK1A           S14WALK1A:W14 S Any Diff-Walk one block                  Categ
15    S15WALK1A           S15WALK1A:W15 S Any Diff-Walk one block                  Categ
16    S16WALK1A           S16WALK1A:W16 S Any Diff-Walk one block                  Categ

 2    R2SITA              R2SITA:W2 R Any Diff-Sit for 2 hours                     Categ
 3    R3SITA              R3SITA:W3 R Any Diff-Sit for 2 hours                     Categ
 4    R4SITA              R4SITA:W4 R Any Diff-Sit for 2 hours                     Categ
 5    R5SITA              R5SITA:W5 R Any Diff-Sit for 2 hours                     Categ
 6    R6SITA              R6SITA:W6 R Any Diff-Sit for 2 hours                     Categ
 7    R7SITA              R7SITA:W7 R Any Diff-Sit for 2 hours                     Categ
 8    R8SITA              R8SITA:W8 R Any Diff-Sit for 2 hours                     Categ
 9    R9SITA              R9SITA:W9 R Any Diff-Sit for 2 hours                     Categ
10    R10SITA             R10SITA:W10 R Any Diff-Sit for 2 hours                   Categ
11    R11SITA             R11SITA:W11 R Any Diff-Sit for 2 hours                   Categ
12    R12SITA             R12SITA:W12 R Any Diff-Sit for 2 hours                   Categ
13    R13SITA             R13SITA:W13 R Any Diff-Sit for 2 hours                   Categ
14    R14SITA             R14SITA:W14 R Any Diff-Sit for 2 hours                   Categ
15    R15SITA             R15SITA:W15 R Any Diff-Sit for 2 hours                   Categ
16    R16SITA             R16SITA:W16 R Any Diff-Sit for 2 hours                   Categ

 2    S2SITA              S2SITA:W2 S Any Diff-Sit for 2 hours                     Categ
 3    S3SITA              S3SITA:W3 S Any Diff-Sit for 2 hours                     Categ
 4    S4SITA              S4SITA:W4 S Any Diff-Sit for 2 hours                     Categ
 5    S5SITA              S5SITA:W5 S Any Diff-Sit for 2 hours                     Categ
 6    S6SITA              S6SITA:W6 S Any Diff-Sit for 2 hours                     Categ
 7    S7SITA              S7SITA:W7 S Any Diff-Sit for 2 hours                     Categ
 8    S8SITA              S8SITA:W8 S Any Diff-Sit for 2 hours                     Categ
 9    S9SITA              S9SITA:W9 S Any Diff-Sit for 2 hours                     Categ
10    S10SITA             S10SITA:W10 S Any Diff-Sit for 2 hours                   Categ
11    S11SITA             S11SITA:W11 S Any Diff-Sit for 2 hours                   Categ
12    S12SITA             S12SITA:W12 S Any Diff-Sit for 2 hours                   Categ
13    S13SITA             S13SITA:W13 S Any Diff-Sit for 2 hours                   Categ
14    S14SITA             S14SITA:W14 S Any Diff-Sit for 2 hours                   Categ
15    S15SITA             S15SITA:W15 S Any Diff-Sit for 2 hours                   Categ
16    S16SITA             S16SITA:W16 S Any Diff-Sit for 2 hours                   Categ

 2    R2CHAIRA            R2CHAIRA:W2 R Any Diff-Get up fr chair                   Categ
 3    R3CHAIRA            R3CHAIRA:W3 R Any Diff-Get up fr chair                   Categ
 4    R4CHAIRA            R4CHAIRA:W4 R Any Diff-Get up fr chair                   Categ
 5    R5CHAIRA            R5CHAIRA:W5 R Any Diff-Get up fr chair                   Categ
 6    R6CHAIRA            R6CHAIRA:W6 R Any Diff-Get up fr chair                   Categ
 7    R7CHAIRA            R7CHAIRA:W7 R Any Diff-Get up fr chair                   Categ
 8    R8CHAIRA            R8CHAIRA:W8 R Any Diff-Get up fr chair                   Categ
 9    R9CHAIRA            R9CHAIRA:W9 R Any Diff-Get up fr chair                   Categ
10    R10CHAIRA           R10CHAIRA:W10 R Any Diff-Get up fr chair                 Categ
11    R11CHAIRA           R11CHAIRA:W11 R Any Diff-Get up fr chair                 Categ
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12	R12CHAIRA	R12CHAIRA:W12 R Any Diff-Get up fr chair	Categ
13	R13CHAIRA	R13CHAIRA:W13 R Any Diff-Get up fr chair	Categ
14	R14CHAIRA	R14CHAIRA:W14 R Any Diff-Get up fr chair	Categ
15	R15CHAIRA	R15CHAIRA:W15 R Any Diff-Get up fr chair	Categ
16	R16CHAIRA	R16CHAIRA:W16 R Any Diff-Get up fr chair	Categ
2	S2CHAIRA	S2CHAIRA:W2 S Any Diff-Get up fr chair	Categ
3	S3CHAIRA	S3CHAIRA:W3 S Any Diff-Get up fr chair	Categ
4	S4CHAIRA	S4CHAIRA:W4 S Any Diff-Get up fr chair	Categ
5	S5CHAIRA	S5CHAIRA:W5 S Any Diff-Get up fr chair	Categ
6	S6CHAIRA	S6CHAIRA:W6 S Any Diff-Get up fr chair	Categ
7	S7CHAIRA	S7CHAIRA:W7 S Any Diff-Get up fr chair	Categ
8	S8CHAIRA	S8CHAIRA:W8 S Any Diff-Get up fr chair	Categ
9	S9CHAIRA	S9CHAIRA:W9 S Any Diff-Get up fr chair	Categ
10	S10CHAIRA	S10CHAIRA:W10 S Any Diff-Get up fr chair	Categ
11	S11CHAIRA	S11CHAIRA:W11 S Any Diff-Get up fr chair	Categ
12	S12CHAIRA	S12CHAIRA:W12 S Any Diff-Get up fr chair	Categ
13	S13CHAIRA	S13CHAIRA:W13 S Any Diff-Get up fr chair	Categ
14	S14CHAIRA	S14CHAIRA:W14 S Any Diff-Get up fr chair	Categ
15	S15CHAIRA	S15CHAIRA:W15 S Any Diff-Get up fr chair	Categ
16	S16CHAIRA	S16CHAIRA:W16 S Any Diff-Get up fr chair	Categ
2	R2CLIMSA	R2CLIMSA:W2 R Any Diff-Clmb sev flt str	Categ
3	R3CLIMSA	R3CLIMSA:W3 R Any Diff-Clmb sev flt str	Categ
4	R4CLIMSA	R4CLIMSA:W4 R Any Diff-Clmb sev flt str	Categ
5	R5CLIMSA	R5CLIMSA:W5 R Any Diff-Clmb sev flt str	Categ
6	R6CLIMSA	R6CLIMSA:W6 R Any Diff-Clmb sev flt str	Categ
7	R7CLIMSA	R7CLIMSA:W7 R Any Diff-Clmb sev flt str	Categ
8	R8CLIMSA	R8CLIMSA:W8 R Any Diff-Clmb sev flt str	Categ
9	R9CLIMSA	R9CLIMSA:W9 R Any Diff-Clmb sev flt str	Categ
10	R10CLIMSA	R10CLIMSA:W10 R Any Diff-Clmb sev flt str	Categ
11	R11CLIMSA	R11CLIMSA:W11 R Any Diff-Clmb sev flt str	Categ
12	R12CLIMSA	R12CLIMSA:W12 R Any Diff-Clmb sev flt str	Categ
13	R13CLIMSA	R13CLIMSA:W13 R Any Diff-Clmb sev flt str	Categ
14	R14CLIMSA	R14CLIMSA:W14 R Any Diff-Clmb sev flt str	Categ
15	R15CLIMSA	R15CLIMSA:W15 R Any Diff-Clmb sev flt str	Categ
16	R16CLIMSA	R16CLIMSA:W16 R Any Diff-Clmb sev flt str	Categ
2	S2CLIMSA	S2CLIMSA:W2 S Any Diff-Clmb sev flt str	Categ
3	S3CLIMSA	S3CLIMSA:W3 S Any Diff-Clmb sev flt str	Categ
4	S4CLIMSA	S4CLIMSA:W4 S Any Diff-Clmb sev flt str	Categ
5	S5CLIMSA	S5CLIMSA:W5 S Any Diff-Clmb sev flt str	Categ
6	S6CLIMSA	S6CLIMSA:W6 S Any Diff-Clmb sev flt str	Categ
7	S7CLIMSA	S7CLIMSA:W7 S Any Diff-Clmb sev flt str	Categ
8	S8CLIMSA	S8CLIMSA:W8 S Any Diff-Clmb sev flt str	Categ
9	S9CLIMSA	S9CLIMSA:W9 S Any Diff-Clmb sev flt str	Categ
10	S10CLIMSA	S10CLIMSA:W10 S Any Diff-Clmb sev flt str	Categ
11	S11CLIMSA	S11CLIMSA:W11 S Any Diff-Clmb sev flt str	Categ
12	S12CLIMSA	S12CLIMSA:W12 S Any Diff-Clmb sev flt str	Categ
13	S13CLIMSA	S13CLIMSA:W13 S Any Diff-Clmb sev flt str	Categ
14	S14CLIMSA	S14CLIMSA:W14 S Any Diff-Clmb sev flt str	Categ
15	S15CLIMSA	S15CLIMSA:W15 S Any Diff-Clmb sev flt str	Categ
16	S16CLIMSA	S16CLIMSA:W16 S Any Diff-Clmb sev flt str	Categ
2	R2CLIM1A	R2CLIM1A:W2 R Any Diff-Clmb 1 flt stair	Categ
3	R3CLIM1A	R3CLIM1A:W3 R Any Diff-Clmb 1 flt stair	Categ
4	R4CLIM1A	R4CLIM1A:W4 R Any Diff-Clmb 1 flt stair	Categ
5	R5CLIM1A	R5CLIM1A:W5 R Any Diff-Clmb 1 flt stair	Categ
6	R6CLIM1A	R6CLIM1A:W6 R Any Diff-Clmb 1 flt stair	Categ
7	R7CLIM1A	R7CLIM1A:W7 R Any Diff-Clmb 1 flt stair	Categ
8	R8CLIM1A	R8CLIM1A:W8 R Any Diff-Clmb 1 flt stair	Categ
9	R9CLIM1A	R9CLIM1A:W9 R Any Diff-Clmb 1 flt stair	Categ
10	R10CLIM1A	R10CLIM1A:W10 R Any Diff-Clmb 1 flt stair	Categ
11	R11CLIM1A	R11CLIM1A:W11 R Any Diff-Clmb 1 flt stair	Categ
12	R12CLIM1A	R12CLIM1A:W12 R Any Diff-Clmb 1 flt stair	Categ
13	R13CLIM1A	R13CLIM1A:W13 R Any Diff-Clmb 1 flt stair	Categ
14	R14CLIM1A	R14CLIM1A:W14 R Any Diff-Clmb 1 flt stair	Categ
15	R15CLIM1A	R15CLIM1A:W15 R Any Diff-Clmb 1 flt stair	Categ
16	R16CLIM1A	R16CLIM1A:W16 R Any Diff-Clmb 1 flt stair	Categ
2	S2CLIM1A	S2CLIM1A:W2 S Any Diff-Clmb 1 flt stair	Categ
3	S3CLIM1A	S3CLIM1A:W3 S Any Diff-Clmb 1 flt stair	Categ

4	S4CLIM1A	S4CLIM1A:W4 S Any Diff-Clmb 1 flt stair	Categ
5	S5CLIM1A	S5CLIM1A:W5 S Any Diff-Clmb 1 flt stair	Categ
6	S6CLIM1A	S6CLIM1A:W6 S Any Diff-Clmb 1 flt stair	Categ
7	S7CLIM1A	S7CLIM1A:W7 S Any Diff-Clmb 1 flt stair	Categ
8	S8CLIM1A	S8CLIM1A:W8 S Any Diff-Clmb 1 flt stair	Categ
9	S9CLIM1A	S9CLIM1A:W9 S Any Diff-Clmb 1 flt stair	Categ
10	S10CLIM1A	S10CLIM1A:W10 S Any Diff-Clmb 1 flt stair	Categ
11	S11CLIM1A	S11CLIM1A:W11 S Any Diff-Clmb 1 flt stair	Categ
12	S12CLIM1A	S12CLIM1A:W12 S Any Diff-Clmb 1 flt stair	Categ
13	S13CLIM1A	S13CLIM1A:W13 S Any Diff-Clmb 1 flt stair	Categ
14	S14CLIM1A	S14CLIM1A:W14 S Any Diff-Clmb 1 flt stair	Categ
15	S15CLIM1A	S15CLIM1A:W15 S Any Diff-Clmb 1 flt stair	Categ
16	S16CLIM1A	S16CLIM1A:W16 S Any Diff-Clmb 1 flt stair	Categ

2	R2STOOPA	R2STOOPA:W2 R Any Diff-Stoop/Kneel/Crch	Categ
3	R3STOOPA	R3STOOPA:W3 R Any Diff-Stoop/Kneel/Crch	Categ
4	R4STOOPA	R4STOOPA:W4 R Any Diff-Stoop/Kneel/Crch	Categ
5	R5STOOPA	R5STOOPA:W5 R Any Diff-Stoop/Kneel/Crch	Categ
6	R6STOOPA	R6STOOPA:W6 R Any Diff-Stoop/Kneel/Crch	Categ
7	R7STOOPA	R7STOOPA:W7 R Any Diff-Stoop/Kneel/Crch	Categ
8	R8STOOPA	R8STOOPA:W8 R Any Diff-Stoop/Kneel/Crch	Categ
9	R9STOOPA	R9STOOPA:W9 R Any Diff-Stoop/Kneel/Crch	Categ
10	R10STOOPA	R10STOOPA:W10 R Any Diff-Stoop/Kneel/Crch	Categ
11	R11STOOPA	R11STOOPA:W11 R Any Diff-Stoop/Kneel/Crch	Categ
12	R12STOOPA	R12STOOPA:W12 R Any Diff-Stoop/Kneel/Crch	Categ
13	R13STOOPA	R13STOOPA:W13 R Any Diff-Stoop/Kneel/Crch	Categ
14	R14STOOPA	R14STOOPA:W14 R Any Diff-Stoop/Kneel/Crch	Categ
15	R15STOOPA	R15STOOPA:W15 R Any Diff-Stoop/Kneel/Crch	Categ
16	R16STOOPA	R16STOOPA:W16 R Any Diff-Stoop/Kneel/Crch	Categ

2	S2STOOPA	S2STOOPA:W2 S Any Diff-Stoop/Kneel/Crch	Categ
3	S3STOOPA	S3STOOPA:W3 S Any Diff-Stoop/Kneel/Crch	Categ
4	S4STOOPA	S4STOOPA:W4 S Any Diff-Stoop/Kneel/Crch	Categ
5	S5STOOPA	S5STOOPA:W5 S Any Diff-Stoop/Kneel/Crch	Categ
6	S6STOOPA	S6STOOPA:W6 S Any Diff-Stoop/Kneel/Crch	Categ
7	S7STOOPA	S7STOOPA:W7 S Any Diff-Stoop/Kneel/Crch	Categ
8	S8STOOPA	S8STOOPA:W8 S Any Diff-Stoop/Kneel/Crch	Categ
9	S9STOOPA	S9STOOPA:W9 S Any Diff-Stoop/Kneel/Crch	Categ
10	S10STOOPA	S10STOOPA:W10 S Any Diff-Stoop/Kneel/Crch	Categ
11	S11STOOPA	S11STOOPA:W11 S Any Diff-Stoop/Kneel/Crch	Categ
12	S12STOOPA	S12STOOPA:W12 S Any Diff-Stoop/Kneel/Crch	Categ
13	S13STOOPA	S13STOOPA:W13 S Any Diff-Stoop/Kneel/Crch	Categ
14	S14STOOPA	S14STOOPA:W14 S Any Diff-Stoop/Kneel/Crch	Categ
15	S15STOOPA	S15STOOPA:W15 S Any Diff-Stoop/Kneel/Crch	Categ
16	S16STOOPA	S16STOOPA:W16 S Any Diff-Stoop/Kneel/Crch	Categ

2	R2LIFTA	R2LIFTA:W2 R Any Diff-Lift/carry 10lbs	Categ
3	R3LIFTA	R3LIFTA:W3 R Any Diff-Lift/carry 10lbs	Categ
4	R4LIFTA	R4LIFTA:W4 R Any Diff-Lift/carry 10lbs	Categ
5	R5LIFTA	R5LIFTA:W5 R Any Diff-Lift/carry 10lbs	Categ
6	R6LIFTA	R6LIFTA:W6 R Any Diff-Lift/carry 10lbs	Categ
7	R7LIFTA	R7LIFTA:W7 R Any Diff-Lift/carry 10lbs	Categ
8	R8LIFTA	R8LIFTA:W8 R Any Diff-Lift/carry 10lbs	Categ
9	R9LIFTA	R9LIFTA:W9 R Any Diff-Lift/carry 10lbs	Categ
10	R10LIFTA	R10LIFTA:W10 R Any Diff-Lift/carry 10lbs	Categ
11	R11LIFTA	R11LIFTA:W11 R Any Diff-Lift/carry 10lbs	Categ
12	R12LIFTA	R12LIFTA:W12 R Any Diff-Lift/carry 10lbs	Categ
13	R13LIFTA	R13LIFTA:W13 R Any Diff-Lift/carry 10lbs	Categ
14	R14LIFTA	R14LIFTA:W14 R Any Diff-Lift/carry 10lbs	Categ
15	R15LIFTA	R15LIFTA:W15 R Any Diff-Lift/carry 10lbs	Categ
16	R16LIFTA	R16LIFTA:W16 R Any Diff-Lift/carry 10lbs	Categ

2	S2LIFTA	S2LIFTA:W2 S Any Diff-Lift/carry 10lbs	Categ
3	S3LIFTA	S3LIFTA:W3 S Any Diff-Lift/carry 10lbs	Categ
4	S4LIFTA	S4LIFTA:W4 S Any Diff-Lift/carry 10lbs	Categ
5	S5LIFTA	S5LIFTA:W5 S Any Diff-Lift/carry 10lbs	Categ
6	S6LIFTA	S6LIFTA:W6 S Any Diff-Lift/carry 10lbs	Categ
7	S7LIFTA	S7LIFTA:W7 S Any Diff-Lift/carry 10lbs	Categ
8	S8LIFTA	S8LIFTA:W8 S Any Diff-Lift/carry 10lbs	Categ
9	S9LIFTA	S9LIFTA:W9 S Any Diff-Lift/carry 10lbs	Categ
10	S10LIFTA	S10LIFTA:W10 S Any Diff-Lift/carry 10lbs	Categ
11	S11LIFTA	S11LIFTA:W11 S Any Diff-Lift/carry 10lbs	Categ

12	S12LIFTA	S12LIFTA:W12 S Any Diff-Lift/carry 10lbs	Categ
13	S13LIFTA	S13LIFTA:W13 S Any Diff-Lift/carry 10lbs	Categ
14	S14LIFTA	S14LIFTA:W14 S Any Diff-Lift/carry 10lbs	Categ
15	S15LIFTA	S15LIFTA:W15 S Any Diff-Lift/carry 10lbs	Categ
16	S16LIFTA	S16LIFTA:W16 S Any Diff-Lift/carry 10lbs	Categ
2	R2DIMEA	R2DIMEA:W2 R Any Diff-Pick up a dime	Categ
3	R3DIMEA	R3DIMEA:W3 R Any Diff-Pick up a dime	Categ
4	R4DIMEA	R4DIMEA:W4 R Any Diff-Pick up a dime	Categ
5	R5DIMEA	R5DIMEA:W5 R Any Diff-Pick up a dime	Categ
6	R6DIMEA	R6DIMEA:W6 R Any Diff-Pick up a dime	Categ
7	R7DIMEA	R7DIMEA:W7 R Any Diff-Pick up a dime	Categ
8	R8DIMEA	R8DIMEA:W8 R Any Diff-Pick up a dime	Categ
9	R9DIMEA	R9DIMEA:W9 R Any Diff-Pick up a dime	Categ
10	R10DIMEA	R10DIMEA:W10 R Any Diff-Pick up a dime	Categ
11	R11DIMEA	R11DIMEA:W11 R Any Diff-Pick up a dime	Categ
12	R12DIMEA	R12DIMEA:W12 R Any Diff-Pick up a dime	Categ
13	R13DIMEA	R13DIMEA:W13 R Any Diff-Pick up a dime	Categ
14	R14DIMEA	R14DIMEA:W14 R Any Diff-Pick up a dime	Categ
15	R15DIMEA	R15DIMEA:W15 R Any Diff-Pick up a dime	Categ
16	R16DIMEA	R16DIMEA:W16 R Any Diff-Pick up a dime	Categ
2	S2DIMEA	S2DIMEA:W2 S Any Diff-Pick up a dime	Categ
3	S3DIMEA	S3DIMEA:W3 S Any Diff-Pick up a dime	Categ
4	S4DIMEA	S4DIMEA:W4 S Any Diff-Pick up a dime	Categ
5	S5DIMEA	S5DIMEA:W5 S Any Diff-Pick up a dime	Categ
6	S6DIMEA	S6DIMEA:W6 S Any Diff-Pick up a dime	Categ
7	S7DIMEA	S7DIMEA:W7 S Any Diff-Pick up a dime	Categ
8	S8DIMEA	S8DIMEA:W8 S Any Diff-Pick up a dime	Categ
9	S9DIMEA	S9DIMEA:W9 S Any Diff-Pick up a dime	Categ
10	S10DIMEA	S10DIMEA:W10 S Any Diff-Pick up a dime	Categ
11	S11DIMEA	S11DIMEA:W11 S Any Diff-Pick up a dime	Categ
12	S12DIMEA	S12DIMEA:W12 S Any Diff-Pick up a dime	Categ
13	S13DIMEA	S13DIMEA:W13 S Any Diff-Pick up a dime	Categ
14	S14DIMEA	S14DIMEA:W14 S Any Diff-Pick up a dime	Categ
15	S15DIMEA	S15DIMEA:W15 S Any Diff-Pick up a dime	Categ
16	S16DIMEA	S16DIMEA:W16 S Any Diff-Pick up a dime	Categ
2	R2ARMSA	R2ARMSA:W2 R Any Diff-Rch/xtnd arms up	Categ
3	R3ARMSA	R3ARMSA:W3 R Any Diff-Rch/xtnd arms up	Categ
4	R4ARMSA	R4ARMSA:W4 R Any Diff-Rch/xtnd arms up	Categ
5	R5ARMSA	R5ARMSA:W5 R Any Diff-Rch/xtnd arms up	Categ
6	R6ARMSA	R6ARMSA:W6 R Any Diff-Rch/xtnd arms up	Categ
7	R7ARMSA	R7ARMSA:W7 R Any Diff-Rch/xtnd arms up	Categ
8	R8ARMSA	R8ARMSA:W8 R Any Diff-Rch/xtnd arms up	Categ
9	R9ARMSA	R9ARMSA:W9 R Any Diff-Rch/xtnd arms up	Categ
10	R10ARMSA	R10ARMSA:W10 R Any Diff-Rch/xtnd arms up	Categ
11	R11ARMSA	R11ARMSA:W11 R Any Diff-Rch/xtnd arms up	Categ
12	R12ARMSA	R12ARMSA:W12 R Any Diff-Rch/xtnd arms up	Categ
13	R13ARMSA	R13ARMSA:W13 R Any Diff-Rch/xtnd arms up	Categ
14	R14ARMSA	R14ARMSA:W14 R Any Diff-Rch/xtnd arms up	Categ
15	R15ARMSA	R15ARMSA:W15 R Any Diff-Rch/xtnd arms up	Categ
16	R16ARMSA	R16ARMSA:W16 R Any Diff-Rch/xtnd arms up	Categ
2	S2ARMSA	S2ARMSA:W2 S Any Diff-Rch/xtnd arms up	Categ
3	S3ARMSA	S3ARMSA:W3 S Any Diff-Rch/xtnd arms up	Categ
4	S4ARMSA	S4ARMSA:W4 S Any Diff-Rch/xtnd arms up	Categ
5	S5ARMSA	S5ARMSA:W5 S Any Diff-Rch/xtnd arms up	Categ
6	S6ARMSA	S6ARMSA:W6 S Any Diff-Rch/xtnd arms up	Categ
7	S7ARMSA	S7ARMSA:W7 S Any Diff-Rch/xtnd arms up	Categ
8	S8ARMSA	S8ARMSA:W8 S Any Diff-Rch/xtnd arms up	Categ
9	S9ARMSA	S9ARMSA:W9 S Any Diff-Rch/xtnd arms up	Categ
10	S10ARMSA	S10ARMSA:W10 S Any Diff-Rch/xtnd arms up	Categ
11	S11ARMSA	S11ARMSA:W11 S Any Diff-Rch/xtnd arms up	Categ
12	S12ARMSA	S12ARMSA:W12 S Any Diff-Rch/xtnd arms up	Categ
13	S13ARMSA	S13ARMSA:W13 S Any Diff-Rch/xtnd arms up	Categ
14	S14ARMSA	S14ARMSA:W14 S Any Diff-Rch/xtnd arms up	Categ
15	S15ARMSA	S15ARMSA:W15 S Any Diff-Rch/xtnd arms up	Categ
16	S16ARMSA	S16ARMSA:W16 S Any Diff-Rch/xtnd arms up	Categ
2	R2PUSHA	R2PUSHA:W2 R Any Diff-Push/pull lg obj	Categ
3	R3PUSHA	R3PUSHA:W3 R Any Diff-Push/pull lg obj	Categ

4	R4PUSHA	R4PUSHA:W4 R Any Diff-Push/pull lg obj	Categ
5	R5PUSHA	R5PUSHA:W5 R Any Diff-Push/pull lg obj	Categ
6	R6PUSHA	R6PUSHA:W6 R Any Diff-Push/pull lg obj	Categ
7	R7PUSHA	R7PUSHA:W7 R Any Diff-Push/pull lg obj	Categ
8	R8PUSHA	R8PUSHA:W8 R Any Diff-Push/pull lg obj	Categ
9	R9PUSHA	R9PUSHA:W9 R Any Diff-Push/pull lg obj	Categ
10	R10PUSHA	R10PUSHA:W10 R Any Diff-Push/pull lg obj	Categ
11	R11PUSHA	R11PUSHA:W11 R Any Diff-Push/pull lg obj	Categ
12	R12PUSHA	R12PUSHA:W12 R Any Diff-Push/pull lg obj	Categ
13	R13PUSHA	R13PUSHA:W13 R Any Diff-Push/pull lg obj	Categ
14	R14PUSHA	R14PUSHA:W14 R Any Diff-Push/pull lg obj	Categ
15	R15PUSHA	R15PUSHA:W15 R Any Diff-Push/pull lg obj	Categ
16	R16PUSHA	R16PUSHA:W16 R Any Diff-Push/pull lg obj	Categ
2	S2PUSHA	S2PUSHA:W2 S Any Diff-Push/pull lg obj	Categ
3	S3PUSHA	S3PUSHA:W3 S Any Diff-Push/pull lg obj	Categ
4	S4PUSHA	S4PUSHA:W4 S Any Diff-Push/pull lg obj	Categ
5	S5PUSHA	S5PUSHA:W5 S Any Diff-Push/pull lg obj	Categ
6	S6PUSHA	S6PUSHA:W6 S Any Diff-Push/pull lg obj	Categ
7	S7PUSHA	S7PUSHA:W7 S Any Diff-Push/pull lg obj	Categ
8	S8PUSHA	S8PUSHA:W8 S Any Diff-Push/pull lg obj	Categ
9	S9PUSHA	S9PUSHA:W9 S Any Diff-Push/pull lg obj	Categ
10	S10PUSHA	S10PUSHA:W10 S Any Diff-Push/pull lg obj	Categ
11	S11PUSHA	S11PUSHA:W11 S Any Diff-Push/pull lg obj	Categ
12	S12PUSHA	S12PUSHA:W12 S Any Diff-Push/pull lg obj	Categ
13	S13PUSHA	S13PUSHA:W13 S Any Diff-Push/pull lg obj	Categ
14	S14PUSHA	S14PUSHA:W14 S Any Diff-Push/pull lg obj	Categ
15	S15PUSHA	S15PUSHA:W15 S Any Diff-Push/pull lg obj	Categ
16	S16PUSHA	S16PUSHA:W16 S Any Diff-Push/pull lg obj	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2WALKSA	19099	0.26	0.44	0.0	1.0
R3WALKSA	17417	0.28	0.45	0.0	1.0
R4WALKSA	20844	0.28	0.45	0.0	1.0
R5WALKSA	19006	0.29	0.45	0.0	1.0
R6WALKSA	17693	0.32	0.47	0.0	1.0
R7WALKSA	19585	0.30	0.46	0.0	1.0
R8WALKSA	18119	0.32	0.47	0.0	1.0
R9WALKSA	16879	0.33	0.47	0.0	1.0
R10WALKSA	21700	0.31	0.46	0.0	1.0
R11WALKSA	20332	0.32	0.47	0.0	1.0
R12WALKSA	18590	0.34	0.47	0.0	1.0
R13WALKSA	20739	0.31	0.46	0.0	1.0
R14WALKSA	17028	0.33	0.47	0.0	1.0
R15WALKSA	15553	0.31	0.46	0.0	1.0
R16WALKSA	15624	0.33	0.47	0.0	1.0
S2WALKSA	12755	0.20	0.40	0.0	1.0
S3WALKSA	11669	0.22	0.42	0.0	1.0
S4WALKSA	13748	0.22	0.42	0.0	1.0
S5WALKSA	12485	0.24	0.43	0.0	1.0
S6WALKSA	11456	0.26	0.44	0.0	1.0
S7WALKSA	12750	0.24	0.43	0.0	1.0
S8WALKSA	11604	0.26	0.44	0.0	1.0
S9WALKSA	10521	0.26	0.44	0.0	1.0
S10WALKSA	13364	0.25	0.43	0.0	1.0
S11WALKSA	12402	0.26	0.44	0.0	1.0
S12WALKSA	10962	0.27	0.44	0.0	1.0
S13WALKSA	11728	0.26	0.44	0.0	1.0

S14WALKSA	9322	0.26	0.44	0.0	1.0
S15WALKSA	8438	0.25	0.43	0.0	1.0
S16WALKSA	7800	0.26	0.44	0.0	1.0
R2JOGA	10703	0.70	0.46	0.0	1.0
R3JOGA	11317	0.76	0.42	0.0	1.0
R4JOGA	13342	0.77	0.42	0.0	1.0
R5JOGA	11828	0.78	0.42	0.0	1.0
R6JOGA	11905	0.82	0.38	0.0	1.0
R7JOGA	14070	0.78	0.41	0.0	1.0
R8JOGA	13901	0.80	0.40	0.0	1.0
R9JOGA	13037	0.80	0.40	0.0	1.0
R10JOGA	19259	0.71	0.45	0.0	1.0
R11JOGA	17993	0.72	0.45	0.0	1.0
R12JOGA	16946	0.72	0.45	0.0	1.0
R13JOGA	18892	0.68	0.47	0.0	1.0
R14JOGA	15904	0.69	0.46	0.0	1.0
R15JOGA	14486	0.68	0.47	0.0	1.0
R16JOGA	14644	0.68	0.47	0.0	1.0
S2JOGA	8192	0.70	0.46	0.0	1.0
S3JOGA	7470	0.72	0.45	0.0	1.0
S4JOGA	8644	0.73	0.45	0.0	1.0
S5JOGA	7613	0.74	0.44	0.0	1.0
S6JOGA	7580	0.78	0.41	0.0	1.0
S7JOGA	9097	0.75	0.43	0.0	1.0
S8JOGA	8876	0.76	0.43	0.0	1.0
S9JOGA	8073	0.76	0.43	0.0	1.0
S10JOGA	11961	0.67	0.47	0.0	1.0
S11JOGA	11058	0.68	0.47	0.0	1.0
S12JOGA	10082	0.68	0.47	0.0	1.0
S13JOGA	10724	0.64	0.48	0.0	1.0
S14JOGA	8741	0.65	0.48	0.0	1.0
S15JOGA	7915	0.64	0.48	0.0	1.0
S16JOGA	7341	0.64	0.48	0.0	1.0
R2WALK1A	11071	0.07	0.25	0.0	1.0
R3WALK1A	17735	0.13	0.34	0.0	1.0
R4WALK1A	21160	0.14	0.34	0.0	1.0
R5WALK1A	19322	0.15	0.35	0.0	1.0
R6WALK1A	17965	0.16	0.37	0.0	1.0
R7WALK1A	19867	0.15	0.36	0.0	1.0
R8WALK1A	18283	0.17	0.37	0.0	1.0
R9WALK1A	17053	0.17	0.38	0.0	1.0
R10WALK1A	21790	0.16	0.36	0.0	1.0
R11WALK1A	20420	0.17	0.37	0.0	1.0
R12WALK1A	18639	0.17	0.38	0.0	1.0
R13WALK1A	20788	0.16	0.37	0.0	1.0
R14WALK1A	17054	0.17	0.38	0.0	1.0
R15WALK1A	15587	0.17	0.37	0.0	1.0
R16WALK1A	15666	0.17	0.38	0.0	1.0
S2WALK1A	8474	0.06	0.23	0.0	1.0
S3WALK1A	11829	0.10	0.30	0.0	1.0
S4WALK1A	13905	0.10	0.30	0.0	1.0
S5WALK1A	12637	0.11	0.31	0.0	1.0
S6WALK1A	11565	0.12	0.33	0.0	1.0
S7WALK1A	12880	0.11	0.31	0.0	1.0
S8WALK1A	11677	0.12	0.33	0.0	1.0

S9WALK1A	10592	0.12	0.33	0.0	1.0
S10WALK1A	13400	0.12	0.32	0.0	1.0
S11WALK1A	12439	0.13	0.33	0.0	1.0
S12WALK1A	10977	0.13	0.34	0.0	1.0
S13WALK1A	11740	0.12	0.33	0.0	1.0
S14WALK1A	9331	0.13	0.34	0.0	1.0
S15WALK1A	8442	0.12	0.33	0.0	1.0
S16WALK1A	7813	0.13	0.34	0.0	1.0
R2SITA	11391	0.20	0.40	0.0	1.0
R3SITA	17778	0.19	0.39	0.0	1.0
R4SITA	21139	0.18	0.39	0.0	1.0
R5SITA	19356	0.18	0.39	0.0	1.0
R6SITA	17978	0.20	0.40	0.0	1.0
R7SITA	19964	0.19	0.39	0.0	1.0
R8SITA	18340	0.20	0.40	0.0	1.0
R9SITA	17094	0.19	0.40	0.0	1.0
R10SITA	21789	0.20	0.40	0.0	1.0
R11SITA	20423	0.21	0.41	0.0	1.0
R12SITA	18640	0.21	0.41	0.0	1.0
R13SITA	20760	0.22	0.41	0.0	1.0
R14SITA	17051	0.21	0.41	0.0	1.0
R15SITA	15559	0.19	0.39	0.0	1.0
R16SITA	15655	0.19	0.39	0.0	1.0
S2SITA	8717	0.18	0.39	0.0	1.0
S3SITA	11801	0.18	0.38	0.0	1.0
S4SITA	13849	0.17	0.38	0.0	1.0
S5SITA	12620	0.17	0.38	0.0	1.0
S6SITA	11532	0.19	0.39	0.0	1.0
S7SITA	12884	0.18	0.39	0.0	1.0
S8SITA	11673	0.18	0.39	0.0	1.0
S9SITA	10587	0.18	0.38	0.0	1.0
S10SITA	13381	0.19	0.39	0.0	1.0
S11SITA	12429	0.19	0.39	0.0	1.0
S12SITA	10967	0.19	0.39	0.0	1.0
S13SITA	11718	0.19	0.40	0.0	1.0
S14SITA	9323	0.18	0.39	0.0	1.0
S15SITA	8426	0.16	0.37	0.0	1.0
S16SITA	7801	0.16	0.36	0.0	1.0
R2CHAIRA	11409	0.32	0.47	0.0	1.0
R3CHAIRA	17899	0.36	0.48	0.0	1.0
R4CHAIRA	21303	0.37	0.48	0.0	1.0
R5CHAIRA	19496	0.38	0.48	0.0	1.0
R6CHAIRA	18115	0.41	0.49	0.0	1.0
R7CHAIRA	20061	0.39	0.49	0.0	1.0
R8CHAIRA	18418	0.42	0.49	0.0	1.0
R9CHAIRA	17163	0.41	0.49	0.0	1.0
R10CHAIRA	21849	0.39	0.49	0.0	1.0
R11CHAIRA	20483	0.39	0.49	0.0	1.0
R12CHAIRA	18681	0.40	0.49	0.0	1.0
R13CHAIRA	20803	0.38	0.49	0.0	1.0
R14CHAIRA	17102	0.39	0.49	0.0	1.0
R15CHAIRA	15586	0.35	0.48	0.0	1.0
R16CHAIRA	15678	0.36	0.48	0.0	1.0
S2CHAIRA	8731	0.31	0.46	0.0	1.0
S3CHAIRA	11876	0.33	0.47	0.0	1.0

S4CHAIRA	13947	0.33	0.47	0.0	1.0
S5CHAIRA	12700	0.34	0.48	0.0	1.0
S6CHAIRA	11617	0.38	0.48	0.0	1.0
S7CHAIRA	12941	0.36	0.48	0.0	1.0
S8CHAIRA	11712	0.38	0.49	0.0	1.0
S9CHAIRA	10623	0.38	0.48	0.0	1.0
S10CHAIRA	13408	0.36	0.48	0.0	1.0
S11CHAIRA	12455	0.35	0.48	0.0	1.0
S12CHAIRA	10987	0.36	0.48	0.0	1.0
S13CHAIRA	11741	0.34	0.47	0.0	1.0
S14CHAIRA	9347	0.35	0.48	0.0	1.0
S15CHAIRA	8442	0.30	0.46	0.0	1.0
S16CHAIRA	7811	0.31	0.46	0.0	1.0
R2CLIMSA	11296	0.34	0.47	0.0	1.0
R3CLIMSA	15784	0.42	0.49	0.0	1.0
R4CLIMSA	18914	0.42	0.49	0.0	1.0
R5CLIMSA	17302	0.43	0.50	0.0	1.0
R6CLIMSA	16132	0.47	0.50	0.0	1.0
R7CLIMSA	18200	0.45	0.50	0.0	1.0
R8CLIMSA	17105	0.49	0.50	0.0	1.0
R9CLIMSA	15828	0.48	0.50	0.0	1.0
R10CLIMSA	21010	0.46	0.50	0.0	1.0
R11CLIMSA	19621	0.47	0.50	0.0	1.0
R12CLIMSA	18031	0.49	0.50	0.0	1.0
R13CLIMSA	20167	0.46	0.50	0.0	1.0
R14CLIMSA	17049	0.49	0.50	0.0	1.0
R15CLIMSA	15115	0.45	0.50	0.0	1.0
R16CLIMSA	15278	0.46	0.50	0.0	1.0
S2CLIMSA	8658	0.31	0.46	0.0	1.0
S3CLIMSA	10734	0.38	0.48	0.0	1.0
S4CLIMSA	12685	0.37	0.48	0.0	1.0
S5CLIMSA	11549	0.39	0.49	0.0	1.0
S6CLIMSA	10624	0.42	0.49	0.0	1.0
S7CLIMSA	12042	0.40	0.49	0.0	1.0
S8CLIMSA	11110	0.43	0.49	0.0	1.0
S9CLIMSA	10008	0.43	0.49	0.0	1.0
S10CLIMSA	13070	0.41	0.49	0.0	1.0
S11CLIMSA	12120	0.42	0.49	0.0	1.0
S12CLIMSA	10740	0.43	0.50	0.0	1.0
S13CLIMSA	11516	0.40	0.49	0.0	1.0
S14CLIMSA	9326	0.42	0.49	0.0	1.0
S15CLIMSA	8276	0.39	0.49	0.0	1.0
S16CLIMSA	7670	0.40	0.49	0.0	1.0
R2CLIM1A	19249	0.18	0.39	0.0	1.0
R3CLIM1A	17200	0.17	0.38	0.0	1.0
R4CLIM1A	20542	0.17	0.38	0.0	1.0
R5CLIM1A	18734	0.18	0.39	0.0	1.0
R6CLIM1A	17508	0.19	0.39	0.0	1.0
R7CLIM1A	19423	0.19	0.39	0.0	1.0
R8CLIM1A	17974	0.20	0.40	0.0	1.0
R9CLIM1A	16710	0.20	0.40	0.0	1.0
R10CLIM1A	21574	0.19	0.40	0.0	1.0
R11CLIM1A	20184	0.20	0.40	0.0	1.0
R12CLIM1A	18442	0.21	0.41	0.0	1.0
R13CLIM1A	20586	0.20	0.40	0.0	1.0
R14CLIM1A	17074	0.21	0.41	0.0	1.0

R15CLIM1A	15434	0.20	0.40	0.0	1.0
R16CLIM1A	15537	0.21	0.41	0.0	1.0
S2CLIM1A	12934	0.14	0.35	0.0	1.0
S3CLIM1A	11575	0.13	0.34	0.0	1.0
S4CLIM1A	13640	0.13	0.34	0.0	1.0
S5CLIM1A	12390	0.14	0.35	0.0	1.0
S6CLIM1A	11389	0.14	0.35	0.0	1.0
S7CLIM1A	12706	0.14	0.35	0.0	1.0
S8CLIM1A	11544	0.15	0.36	0.0	1.0
S9CLIM1A	10479	0.15	0.36	0.0	1.0
S10CLIM1A	13324	0.15	0.35	0.0	1.0
S11CLIM1A	12354	0.15	0.36	0.0	1.0
S12CLIM1A	10911	0.16	0.37	0.0	1.0
S13CLIM1A	11688	0.16	0.36	0.0	1.0
S14CLIM1A	9339	0.16	0.37	0.0	1.0
S15CLIM1A	8402	0.16	0.36	0.0	1.0
S16CLIM1A	7775	0.16	0.37	0.0	1.0
R2STOOPA	11411	0.35	0.48	0.0	1.0
R3STOOPA	17665	0.41	0.49	0.0	1.0
R4STOOPA	20986	0.41	0.49	0.0	1.0
R5STOOPA	19192	0.42	0.49	0.0	1.0
R6STOOPA	17847	0.46	0.50	0.0	1.0
R7STOOPA	19705	0.45	0.50	0.0	1.0
R8STOOPA	18198	0.48	0.50	0.0	1.0
R9STOOPA	16943	0.49	0.50	0.0	1.0
R10STOOPA	21712	0.46	0.50	0.0	1.0
R11STOOPA	20312	0.46	0.50	0.0	1.0
R12STOOPA	18553	0.48	0.50	0.0	1.0
R13STOOPA	20697	0.45	0.50	0.0	1.0
R14STOOPA	17024	0.47	0.50	0.0	1.0
R15STOOPA	15517	0.45	0.50	0.0	1.0
R16STOOPA	15590	0.46	0.50	0.0	1.0
S2STOOPA	8734	0.33	0.47	0.0	1.0
S3STOOPA	11777	0.37	0.48	0.0	1.0
S4STOOPA	13786	0.37	0.48	0.0	1.0
S5STOOPA	12566	0.39	0.49	0.0	1.0
S6STOOPA	11516	0.42	0.49	0.0	1.0
S7STOOPA	12788	0.41	0.49	0.0	1.0
S8STOOPA	11629	0.44	0.50	0.0	1.0
S9STOOPA	10544	0.44	0.50	0.0	1.0
S10STOOPA	13360	0.42	0.49	0.0	1.0
S11STOOPA	12399	0.42	0.49	0.0	1.0
S12STOOPA	10942	0.43	0.50	0.0	1.0
S13STOOPA	11714	0.41	0.49	0.0	1.0
S14STOOPA	9315	0.42	0.49	0.0	1.0
S15STOOPA	8421	0.41	0.49	0.0	1.0
S16STOOPA	7790	0.41	0.49	0.0	1.0
R2LIFTA	19376	0.25	0.43	0.0	1.0
R3LIFTA	16997	0.23	0.42	0.0	1.0
R4LIFTA	20360	0.23	0.42	0.0	1.0
R5LIFTA	18632	0.23	0.42	0.0	1.0
R6LIFTA	17364	0.24	0.42	0.0	1.0
R7LIFTA	19316	0.23	0.42	0.0	1.0
R8LIFTA	17887	0.25	0.43	0.0	1.0
R9LIFTA	16659	0.25	0.43	0.0	1.0

R10LIFTA	21522	0.27	0.44	0.0	1.0
R11LIFTA	20166	0.27	0.44	0.0	1.0
R12LIFTA	18461	0.28	0.45	0.0	1.0
R13LIFTA	20606	0.26	0.44	0.0	1.0
R14LIFTA	16959	0.26	0.44	0.0	1.0
R15LIFTA	15474	0.26	0.44	0.0	1.0
R16LIFTA	15548	0.27	0.44	0.0	1.0
S2LIFTA	12994	0.20	0.40	0.0	1.0
S3LIFTA	11491	0.18	0.39	0.0	1.0
S4LIFTA	13544	0.18	0.38	0.0	1.0
S5LIFTA	12372	0.18	0.38	0.0	1.0
S6LIFTA	11339	0.18	0.38	0.0	1.0
S7LIFTA	12663	0.18	0.38	0.0	1.0
S8LIFTA	11528	0.19	0.39	0.0	1.0
S9LIFTA	10455	0.19	0.39	0.0	1.0
S10LIFTA	13308	0.21	0.40	0.0	1.0
S11LIFTA	12361	0.20	0.40	0.0	1.0
S12LIFTA	10925	0.21	0.41	0.0	1.0
S13LIFTA	11686	0.20	0.40	0.0	1.0
S14LIFTA	9306	0.20	0.40	0.0	1.0
S15LIFTA	8405	0.19	0.39	0.0	1.0
S16LIFTA	7779	0.20	0.40	0.0	1.0
R2DIMEA	19607	0.06	0.24	0.0	1.0
R3DIMEA	17909	0.07	0.26	0.0	1.0
R4DIMEA	21282	0.07	0.26	0.0	1.0
R5DIMEA	19481	0.07	0.26	0.0	1.0
R6DIMEA	18099	0.07	0.26	0.0	1.0
R7DIMEA	20040	0.07	0.26	0.0	1.0
R8DIMEA	18413	0.08	0.27	0.0	1.0
R9DIMEA	17158	0.08	0.27	0.0	1.0
R10DIMEA	21839	0.08	0.26	0.0	1.0
R11DIMEA	20496	0.08	0.27	0.0	1.0
R12DIMEA	18698	0.09	0.28	0.0	1.0
R13DIMEA	20822	0.08	0.27	0.0	1.0
R14DIMEA	17081	0.08	0.26	0.0	1.0
R15DIMEA	15614	0.07	0.26	0.0	1.0
R16DIMEA	15675	0.07	0.26	0.0	1.0
S2DIMEA	13076	0.05	0.22	0.0	1.0
S3DIMEA	11881	0.06	0.24	0.0	1.0
S4DIMEA	13941	0.05	0.23	0.0	1.0
S5DIMEA	12695	0.06	0.24	0.0	1.0
S6DIMEA	11614	0.06	0.23	0.0	1.0
S7DIMEA	12940	0.05	0.23	0.0	1.0
S8DIMEA	11721	0.06	0.24	0.0	1.0
S9DIMEA	10631	0.06	0.24	0.0	1.0
S10DIMEA	13407	0.06	0.24	0.0	1.0
S11DIMEA	12465	0.06	0.24	0.0	1.0
S12DIMEA	10997	0.07	0.25	0.0	1.0
S13DIMEA	11745	0.06	0.23	0.0	1.0
S14DIMEA	9334	0.06	0.23	0.0	1.0
S15DIMEA	8456	0.06	0.23	0.0	1.0
S16DIMEA	7808	0.06	0.23	0.0	1.0
R2ARMSA	11411	0.13	0.33	0.0	1.0
R3ARMSA	17848	0.16	0.37	0.0	1.0
R4ARMSA	21234	0.16	0.37	0.0	1.0

R5ARMSA	19451	0.16	0.37	0.0	1.0
R6ARMSA	18063	0.17	0.37	0.0	1.0
R7ARMSA	20014	0.16	0.37	0.0	1.0
R8ARMSA	18375	0.17	0.38	0.0	1.0
R9ARMSA	17144	0.17	0.38	0.0	1.0
R10ARMSA	21833	0.18	0.39	0.0	1.0
R11ARMSA	20480	0.18	0.38	0.0	1.0
R12ARMSA	18675	0.19	0.40	0.0	1.0
R13ARMSA	20817	0.19	0.39	0.0	1.0
R14ARMSA	17090	0.19	0.39	0.0	1.0
R15ARMSA	15592	0.17	0.38	0.0	1.0
R16ARMSA	15691	0.19	0.39	0.0	1.0
S2ARMSA	8737	0.11	0.31	0.0	1.0
S3ARMSA	11853	0.14	0.35	0.0	1.0
S4ARMSA	13923	0.13	0.34	0.0	1.0
S5ARMSA	12680	0.13	0.34	0.0	1.0
S6ARMSA	11598	0.14	0.35	0.0	1.0
S7ARMSA	12928	0.14	0.35	0.0	1.0
S8ARMSA	11703	0.14	0.35	0.0	1.0
S9ARMSA	10614	0.14	0.35	0.0	1.0
S10ARMSA	13406	0.15	0.36	0.0	1.0
S11ARMSA	12453	0.15	0.35	0.0	1.0
S12ARMSA	10988	0.16	0.37	0.0	1.0
S13ARMSA	11749	0.15	0.36	0.0	1.0
S14ARMSA	9336	0.15	0.36	0.0	1.0
S15ARMSA	8447	0.14	0.35	0.0	1.0
S16ARMSA	7813	0.15	0.36	0.0	1.0
R2PUSHA	19178	0.26	0.44	0.0	1.0
R3PUSHA	16391	0.25	0.44	0.0	1.0
R4PUSHA	19668	0.25	0.43	0.0	1.0
R5PUSHA	18017	0.25	0.43	0.0	1.0
R6PUSHA	16818	0.26	0.44	0.0	1.0
R7PUSHA	18871	0.25	0.44	0.0	1.0
R8PUSHA	17553	0.28	0.45	0.0	1.0
R9PUSHA	16321	0.27	0.44	0.0	1.0
R10PUSHA	21361	0.29	0.45	0.0	1.0
R11PUSHA	19989	0.29	0.45	0.0	1.0
R12PUSHA	18390	0.30	0.46	0.0	1.0
R13PUSHA	20465	0.28	0.45	0.0	1.0
R14PUSHA	16885	0.28	0.45	0.0	1.0
R15PUSHA	15419	0.27	0.44	0.0	1.0
R16PUSHA	15490	0.28	0.45	0.0	1.0
S2PUSHA	12910	0.22	0.41	0.0	1.0
S3PUSHA	11139	0.21	0.41	0.0	1.0
S4PUSHA	13151	0.20	0.40	0.0	1.0
S5PUSHA	12045	0.20	0.40	0.0	1.0
S6PUSHA	11050	0.21	0.41	0.0	1.0
S7PUSHA	12430	0.20	0.40	0.0	1.0
S8PUSHA	11362	0.23	0.42	0.0	1.0
S9PUSHA	10323	0.21	0.41	0.0	1.0
S10PUSHA	13234	0.23	0.42	0.0	1.0
S11PUSHA	12283	0.24	0.42	0.0	1.0
S12PUSHA	10892	0.24	0.43	0.0	1.0
S13PUSHA	11639	0.22	0.42	0.0	1.0
S14PUSHA	9294	0.22	0.42	0.0	1.0
S15PUSHA	8398	0.21	0.41	0.0	1.0

S16PUSHA	7764	0.22	0.42	0.0	1.0

Categorical Variable Codes

RwWALKSA: R Any Diff-Walk sev blocks

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	340	4	3	4	3	5	4	7	11	
.J=Web interview, missing										
.M=Oth missing	1	36	25	23	7	9	7	7	128	
.R=RF	1	2	5	3		4	3	1	7	
.X=Don't do	201	532	507	542	462	526	336	323	188	
0.No	14211	12593	15073	13471	12070	13706	12268	11330	15016	
1.Yes	4888	4824	5771	5535	5623	5879	5851	5549	6684	

Value	w11	w12	w13	w14	w15	w16
.D=DK	19	21	18	8	19	21
.J=Web interview, missing						2
.M=Oth missing	18	15	36	26	73	59
.R=RF	5	1	6	3	2	5
.X=Don't do	180	120	113	81	76	76
0.No	13860	12354	14219	11485	10801	10536
1.Yes	6472	6236	6520	5543	4752	5088

SwWALKSA: S Any Diff-Walk sev blocks

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	260	1		2	2	3	1	3	8	
.M=Oth missing	1	11	6	5	3	1	1		77	
.R=RF	1	1	1	1		2	2	1	4	
.U=Unmarried	5968	5657	6868	6537	6306	6777	6417	6206	7797	
.V=Sp NR	584	417	536	311	220	380	317	365	724	
.X=Don't do	73	235	225	237	178	216	127	121	60	
0.No	10171	9059	10683	9515	8476	9662	8567	7756	10021	
1.Yes	2584	2610	3065	2970	2980	3088	3037	2765	3343	

Value	w11	w12	w13	w14	w15	w16
.D=DK	7	6	12	2	8	6
.M=Oth missing	4	3	7	6	10	11
.R=RF	1	1	2		1	3
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	70	40	30	28	20	20
0.No	9186	7982	8718	6873	6368	5742
1.Yes	3216	2980	3010	2449	2070	2058

RwJOGA: R Any Diff-Jog one mile

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		55	2	4	4	8	10	6	14	36
.J=Web interview, missing										
.M=Oth missing			42	34	29	8	17	14	13	146
.Q=Not asked this wave		8222								
.R=RF		4					1	1		3
.X=Don't do		658	6630	8004	7717	6244	6031	4547	4153	2590
0.No		3200	2675	3119	2618	2138	3054	2841	2661	5563
1.Yes		7503	8642	10223	9210	9767	11016	11060	10376	13696

Value	w11	w12	w13	w14	w15	w16
.D=DK	23	25	42	21	25	39
.J=Web interview, missing				10	18	13
.M=Oth missing	38	33	57	33	91	78
.Q=Not asked this wave						
.R=RF	1	4	2	1	2	2
.X=Don't do	2499	1739	1919	1177	1101	1011
0.No	5014	4684	6086	4962	4617	4698
1.Yes	12979	12262	12806	10942	9869	9946

SwJOGA: S Any Diff-Jog one mile

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		40	2	1	1	6	6	4	9	24
.J=Web interview, missing										
.M=Oth missing			13	8	7	4	5	4	4	89
.Q=Not asked this wave		4549								
.R=RF		4					1			2
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR		384	417	536	311	220	380	317	365	724
.X=Don't do		505	4432	5327	5109	4049	3863	2851	2560	1437
0.No		2492	2059	2359	1988	1640	2304	2132	1945	3904
1.Yes		5700	5411	6285	5625	5940	6793	6744	6128	8057

Value	w11	w12	w13	w14	w15	w16
.D=DK	14	18	26	15	14	17
.J=Web interview, missing				5	9	
.M=Oth missing	10	10	19	7	18	23
.Q=Not asked this wave						
.R=RF	1		2	1	1	1
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	1401	902	1008	589	520	458
0.No	3507	3228	3894	3081	2888	2664
1.Yes	7551	6854	6830	5660	5027	4677

RwWALK1A: R Any Diff-Walk one block

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		347	4	4	4	6	3	4	5	10
.J=Web interview, missing										
.M=Oth missing			36	25	23	7	9	7	8	128
.Q=Not asked this wave		8222								
.R=RF		2	2	5	3		3	3	1	7
.X=Don't do			214	190	226	187	247	172	150	99
0.No		10332	15368	18287	16477	15041	16875	15257	14119	18347
1.Yes		739	2367	2873	2845	2924	2992	3026	2934	3443

Value	w11	w12	w13	w14	w15	w16
.D=DK	18	16	16	13	23	16
.J=Web interview, missing				1		4
.M=Oth missing	18	15	36	26	73	59
.Q=Not asked this wave						
.R=RF	4	2	6	6	1	4
.X=Don't do	94	75	66	46	39	38
0.No	16987	15403	17397	14123	13010	12957
1.Yes	3433	3236	3391	2931	2577	2709

SwWALK1A: S Any Diff-Walk one block

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		265	1	2	1	1		1	2	5
.M=Oth missing			10	6	5	3	1	1	1	77
.Q=Not asked this wave		4549								
.R=RF		2	1	1	1		1	2	1	4
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR		384	417	536	311	220	380	317	365	724
.X=Don't do			76	66	86	70	90	54	50	27
0.No		7988	10659	12500	11245	10166	11470	10237	9269	11854
1.Yes		486	1170	1405	1392	1399	1410	1440	1323	1546

Value	w11	w12	w13	w14	w15	w16
.D=DK	9	7	5	5	12	4
.M=Oth missing	4	3	7	6	10	12
.Q=Not asked this wave						
.R=RF		1	2	1	1	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	32	24	25	15	12	9
0.No	10878	9531	10295	8127	7398	6800
1.Yes	1561	1446	1445	1204	1044	1013

RwSITA: R Any Diff-Sit for 2 hours

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	12	4	6	7	7	7	8	5	18	
.J=Web interview, missing										
.M=Oth missing		35	26	23	7	10	7	8	129	
.Q=Not asked this wave	8222									
.R=RF	1	2	5	3		6	3	1	9	
.X=Don't do	16	172	208	189	173	142	111	109	89	
0.No	9166	14486	17275	15790	14405	16112	14718	13786	17349	
1.Yes	2225	3292	3864	3566	3573	3852	3622	3308	4440	

Value	w11	w12	w13	w14	w15	w16
.D=DK	13	9	29	7	19	13
.J=Web interview, missing				9	11	9
.M=Oth missing	18	16	36	26	73	59
.Q=Not asked this wave						
.R=RF	3	5	5	4	1	6
.X=Don't do	97	77	82	49	60	45
0.No	16186	14699	16262	13418	12674	12723
1.Yes	4237	3941	4498	3633	2885	2932

SwSITA: S Any Diff-Sit for 2 hours

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	12	1		2	1	4	5	1	5	
.J=Web interview, missing										
.M=Oth missing		10	7	5	3	1	1	1	78	
.Q=Not asked this wave	4549									
.R=RF	1	1	1	1		3	2	1	4	
.U=Unmarried	5968	5657	6868	6537	6306	6777	6417	6206	7797	
.V=Sp NR	384	417	536	311	220	380	317	365	724	
.X=Don't do	11	104	123	102	103	80	54	56	45	
0.No	7111	9701	11452	10457	9372	10519	9527	8704	10873	
1.Yes	1606	2100	2397	2163	2160	2365	2146	1883	2508	

Value	w11	w12	w13	w14	w15	w16
.D=DK	6	6	14	3	6	4
.J=Web interview, missing					10	
.M=Oth missing	4	3	7	12	10	14
.Q=Not asked this wave						
.R=RF		2	2			3
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	45	34	38	20	25	18
0.No	10092	8889	9447	7622	7076	6571
1.Yes	2337	2078	2271	1701	1350	1230

RwCHAIRA: R Any Diff-Get up fr chair

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	7	4	1	6	9	9	7	4	19	
.J=Web interview, missing										
.M=Oth missing			36	26	23	7	10	7	8	129
.Q=Not asked this wave		8222								
.R=RF	1	3	5	3		5	3	2	10	
.X=Don't do	3	49	49	50	34	44	34	40	27	
0.No	7742	11414	13524	12143	10715	12243	10707	10043	13238	
1.Yes	3667	6485	7779	7353	7400	7818	7711	7120	8611	

Value	w11	w12	w13	w14	w15	w16
.D=DK	31	25	38	4	39	22
.J=Web interview, missing				2	13	11
.M=Oth missing	18	16	36	26	73	60
.Q=Not asked this wave						
.R=RF	2	6	6	3	4	4
.X=Don't do	20	19	29	9	8	12
0.No	12466	11179	12856	10494	10202	10029
1.Yes	8017	7502	7947	6608	5384	5649

SwCHAIRA: S Any Diff-Get up fr chair

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	6	1		3	4	4	6	2	12	
.J=Web interview, missing										
.M=Oth missing			11	7	5	3	1	1	1	78
.Q=Not asked this wave		4549								
.R=RF	1	2	1	1		3	2	2	4	
.U=Unmarried	5968	5657	6868	6537	6306	6777	6417	6206	7797	
.V=Sp NR	384	417	536	311	220	380	317	365	724	
.X=Don't do	3	27	25	21	15	23	14	18	11	
0.No	6061	7956	9311	8321	7254	8269	7240	6622	8569	
1.Yes	2670	3920	4636	4379	4363	4672	4472	4001	4839	

Value	w11	w12	w13	w14	w15	w16
.D=DK	18	14	18	2	15	10
.J=Web interview, missing					6	
.M=Oth missing	4	3	7	7	10	15
.Q=Not asked this wave						
.R=RF	3	4		2	2	
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	7	5	9	2	2	2
0.No	8041	7006	7709	6105	5896	5368
1.Yes	4414	3981	4032	3242	2546	2443

RwCLIMSA: R Any Diff-Clmb sev flt str

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		34	9	19	22	17	39	34	22	60
.J=Web interview, missing										
.M=Oth missing			35	26	23	7	10	7	8	129
.Q=Not asked this wave		8222								
.R=RF		1	3	6	3		5	5	1	10
.X=Don't do		89	2160	2419	2228	2009	1875	1318	1358	825
0.No		7507	9101	10957	9791	8524	9966	8808	8177	11269
1.Yes		3789	6683	7957	7511	7608	8234	8297	7651	9741

Value	w11	w12	w13	w14	w15	w16
.D=DK	38	41	41	4	45	46
.J=Web interview, missing				1	10	13
.M=Oth missing	18	16	36	26	73	60
.Q=Not asked this wave						
.R=RF	2	5	13	3	5	7
.X=Don't do	875	654	655	63	475	383
0.No	10429	9181	10954	8774	8352	8226
1.Yes	9192	8850	9213	8275	6763	7052

SwCLIMSA: S Any Diff-Clmb sev flt str

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		21	5	10	12	8	22	16	9	29
.J=Web interview, missing										
.M=Oth missing			10	7	5	3	1	1	1	78
.Q=Not asked this wave		4549								
.R=RF		1	2	1	1		3	3	1	5
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR		384	417	536	311	220	380	317	365	724
.X=Don't do		61	1166	1277	1163	1004	904	605	627	331
0.No		5966	6698	7958	7081	6189	7230	6360	5744	7688
1.Yes		2692	4036	4727	4468	4435	4812	4750	4264	5382

Value	w11	w12	w13	w14	w15	w16
.D=DK	18	21	20	1	21	18
.J=Web interview, missing					5	
.M=Oth missing	4	3	7	7	10	18
.Q=Not asked this wave						
.R=RF		3	6		1	5
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	342	245	230	24	164	129
0.No	7082	6091	6892	5413	5085	4626
1.Yes	5038	4649	4624	3913	3191	3044

RwCLIM1A: R Any Diff-Clmb 1 flt stair

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	94	6	8	13	11	20	14	10	32	
.J=Web interview, missing										
.M=Oth missing	1	35	26	23	7	10	7	8	129	
.R=RF	1	4	6	3		5	2	1	7	
.X=Don't do	297	746	802	805	639	671	472	488	292	
0.No	15709	14272	17032	15323	14161	15756	14350	13348	17390	
1.Yes	3540	2928	3510	3411	3347	3667	3624	3362	4184	

Value	w11	w12	w13	w14	w15	w16
.D=DK	21	27	39	7	28	30
.J=Web interview, missing				1	8	10
.M=Oth missing	18	16	36	26	73	60
.R=RF	3	3	7	3	2	7
.X=Don't do	328	259	244	35	178	143
0.No	16095	14607	16428	13445	12360	12258
1.Yes	4089	3835	4158	3629	3074	3279

SwCLIM1A: S Any Diff-Clmb 1 flt stair

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	66	3	4	7	4	6	7	5	9	
.J=Web interview, missing										
.M=Oth missing	1	10	7	5	3	1	1	1	78	
.R=RF	1	3	1	1		3	2	1	3	
.U=Unmarried	5968	5657	6868	6537	6306	6777	6417	6206	7797	
.V=Sp NR	584	417	536	311	220	380	317	365	724	
.X=Don't do	88	326	328	327	243	256	181	160	99	
0.No	11145	10067	11834	10653	9758	10894	9788	8922	11376	
1.Yes	1789	1508	1806	1737	1631	1812	1756	1557	1948	

Value	w11	w12	w13	w14	w15	w16
.D=DK	13	11	15	2	10	11
.J=Web interview, missing					6	
.M=Oth missing	4	3	7	6	10	15
.R=RF	1	3	4			4
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	112	84	65	11	49	35
0.No	10449	9170	9866	7850	7095	6533
1.Yes	1905	1741	1822	1489	1307	1242

RwSTOOPA: R Any Diff-Stoop/Kneel/Crch

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	4	7	5	5	11	16	11	8	26	
.J=Web interview, missing										
.M=Oth missing		35	26	23	7	10	7	8	131	
.Q=Not asked this wave	8222									
.R=RF	1	4	6	4		5	3	1	10	
.X=Don't do	4	280	361	354	300	393	250	257	155	
0.No	7429	10503	12436	11054	9602	10836	9439	8713	11629	
1.Yes	3982	7162	8550	8138	8245	8869	8759	8230	10083	

Value	w11	w12	w13	w14	w15	w16
.D=DK	30	37	34	14	38	31
.J=Web interview, missing				7	10	13
.M=Oth missing	18	16	36	26	73	60
.Q=Not asked this wave						
.R=RF	4	3	8	4	3	3
.X=Don't do	190	138	137	71	82	90
0.No	10944	9685	11280	9103	8498	8423
1.Yes	9368	8868	9417	7921	7019	7167

SwSTOOPA: S Any Diff-Stoop/Kneel/Crch

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	3	2	3	1	3	4	3	3	9	
.J=Web interview, missing										
.M=Oth missing		10	7	5	3	1	1	1	79	
.Q=Not asked this wave	4549									
.R=RF	1	3	1	2		3	2	1	4	
.U=Unmarried	5968	5657	6868	6537	6306	6777	6417	6206	7797	
.V=Sp NR	384	417	536	311	220	380	317	365	724	
.X=Don't do	3	125	183	156	117	176	100	97	61	
0.No	5859	7441	8694	7669	6646	7561	6521	5861	7689	
1.Yes	2875	4336	5092	4897	4870	5227	5108	4683	5671	

Value	w11	w12	w13	w14	w15	w16
.D=DK	17	20	12	8	14	8
.J=Web interview, missing				4	5	
.M=Oth missing	4	3	7	6	10	15
.Q=Not asked this wave						
.R=RF	2	1	3	1	1	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	62	46	43	24	26	25
0.No	7189	6202	6890	5416	4940	4577
1.Yes	5210	4740	4824	3899	3481	3213

RwLIFTA: R Any Diff-Lift/carry 10lbs

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	10	3	6	7	7	12	7	7	17	
.J=Web interview, missing										
.M=Oth missing	1	35	27	23	7	10	7	9	131	
.R=RF	2	4	7	5		4	2	1	9	
.X=Don't do	253	952	984	911	787	787	566	541	355	
0.No	14504	13089	15686	14321	13257	14844	13476	12449	15811	
1.Yes	4872	3908	4674	4311	4107	4472	4411	4210	5711	

Value	w11	w12	w13	w14	w15	w16
.D=DK	17	18	20	11	27	12
.J=Web interview, missing				4	3	10
.M=Oth missing	18	16	36	26	74	60
.R=RF	4	3	5	6	4	6
.X=Don't do	349	249	245	140	141	151
0.No	14819	13288	15202	12507	11492	11410
1.Yes	5347	5173	5404	4452	3982	4138

SwLIFTA: S Any Diff-Lift/carry 10lbs

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	7		2	1	2	2	1	1	8	
.J=Web interview, missing										
.M=Oth missing	1	10	7	5	3	1	1	2	79	
.R=RF	2	3	1	3		2	1	1	4	
.U=Unmarried	5968	5657	6868	6537	6306	6777	6417	6206	7797	
.V=Sp NR	584	417	536	311	220	380	317	365	724	
.X=Don't do	86	413	426	349	295	304	204	187	114	
0.No	10408	9407	11124	10167	9352	10431	9388	8501	10572	
1.Yes	2586	2084	2420	2205	1987	2232	2140	1954	2736	

Value	w11	w12	w13	w14	w15	w16
.D=DK	8	7	5	4	11	7
.J=Web interview, missing				1	1	
.M=Oth missing	4	3	7	6	10	16
.R=RF	2	3	3	2	1	4
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	109	74	78	39	49	34
0.No	9867	8632	9379	7476	6825	6244
1.Yes	2494	2293	2307	1830	1580	1535

RwDIMEA: R Any Diff-Pick up a dime

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	11	5	13	17	18	28	21	20	31	
.J=Web interview, missing										
.M=Oth missing	1	35	28	23	7	10	7	9	131	
.R=RF	2	3	6	4		4	2	1	8	
.X=Don't do	21	39	55	53	41	47	26	29	25	
0.No	18373	16590	19782	18045	16764	18610	16952	15751	20187	
1.Yes	1234	1319	1500	1436	1335	1430	1461	1407	1652	

Value	w11	w12	w13	w14	w15	w16
.D=DK	17	20	24	25	17	22
.J=Web interview, missing				3	8	9
.M=Oth missing	18	16	36	26	74	60
.R=RF	1	1	6	5	1	3
.X=Don't do	22	12	24	6	9	18
0.No	18888	17084	19233	15795	14508	14505
1.Yes	1608	1614	1589	1286	1106	1170

SwDIMEA: S Any Diff-Pick up a dime

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	5	1	5	4	6	8	5	3	13	
.J=Web interview, missing										
.M=Oth missing	1	10	7	5	3	1	1	2	79	
.R=RF	2	2	1	2		2	1	1	3	
.U=Unmarried	5968	5657	6868	6537	6306	6777	6417	6206	7797	
.V=Sp NR	584	417	536	311	220	380	317	365	724	
.X=Don't do	6	23	26	24	16	21	7	9	11	
0.No	12420	11172	13179	11950	10965	12240	10985	9977	12611	
1.Yes	656	709	762	745	649	700	736	654	796	

Value	w11	w12	w13	w14	w15	w16
.D=DK	4	10	12	9	4	7
.J=Web interview, missing				2	3	
.M=Oth missing	4	3	7	6	10	15
.R=RF	1	3	2		3	
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	11	1	12	5	4	7
0.No	11713	10247	11063	8788	7988	7366
1.Yes	752	750	682	546	468	442

RwARMSA: R Any Diff-Rch/xtnd arms up

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		8	4	8	13	13	14	10	9	17
.J=Web interview, missing										
.M=Oth missing			35	27	23	7	10	7	8	131
.Q=Not asked this wave		8222								
.R=RF		1	3	6	5		5	3	1	10
.X=Don't do			101	109	86	82	86	74	55	43
0.No		9972	14909	17856	16340	15024	16761	15218	14211	17822
1.Yes		1439	2939	3378	3111	3039	3253	3157	2933	4011

Value	w11	w12	w13	w14	w15	w16
.D=DK	12	21	24	13	25	19
.J=Web interview, missing				5	11	8
.M=Oth missing	18	16	36	26	74	60
.Q=Not asked this wave						
.R=RF	1	4	6	6	2	2
.X=Don't do	43	31	29	6	19	7
0.No	16778	15041	16965	13926	12896	12748
1.Yes	3702	3634	3852	3164	2696	2943

SwARMSA: S Any Diff-Rch/xtnd arms up

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		3	2	4	6	3	4	4	3	9
.J=Web interview, missing										
.M=Oth missing			10	7	5	3	1	1	1	79
.Q=Not asked this wave		4549								
.R=RF		1	2	1	3		3	1	1	4
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR		384	417	536	311	220	380	317	365	724
.X=Don't do			50	45	36	35	36	26	27	15
0.No		7771	10178	12052	10971	9950	11132	10010	9146	11378
1.Yes		966	1675	1871	1709	1648	1796	1693	1468	2028

Value	w11	w12	w13	w14	w15	w16
.D=DK	8	10	9	6	10	8
.J=Web interview, missing				5	6	
.M=Oth missing	4	3	7	6	10	15
.Q=Not asked this wave						
.R=RF		1	2	3		2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	19	10	12	2	4	2
0.No	10615	9232	9949	7942	7260	6649
1.Yes	1838	1756	1800	1394	1187	1164

RwPUSHA: R Any Diff-Push/pull lg obj

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	9	4	6	10	8	15	15	10	16
.J=Web interview, missing									
.M=Oth missing	1	36	27	23	7	10	7	8	131
.R=RF	3	4	6	5		6	2	1	9
.X=Don't do	451	1556	1677	1523	1332	1227	892	877	517
0.No	14115	12225	14799	13547	12373	14065	12620	11889	15174
1.Yes	5063	4166	4869	4470	4445	4806	4933	4432	6187

Value	w11	w12	w13	w14	w15	w16
.D=DK	17	19	18	9	24	20
.J=Web interview, missing				7	10	8
.M=Oth missing	18	16	36	26	74	60
.R=RF	4	4	5	5	2	4
.X=Don't do	526	318	388	214	194	205
0.No	14181	12813	14757	12122	11310	11198
1.Yes	5808	5577	5708	4763	4109	4292

SwPUSHA: S Any Diff-Push/pull lg obj

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	6		3	2	6	6	6	5	5
.J=Web interview, missing									
.M=Oth missing	1	10	7	5	3	1	1	1	79
.R=RF	2	3	1	3		4	1	1	4
.U=Unmarried	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Sp NR	584	417	536	311	220	380	317	365	724
.X=Don't do	171	765	818	675	580	531	365	316	191
0.No	10099	8758	10457	9578	8764	9887	8805	8123	10129
1.Yes	2811	2381	2694	2467	2286	2543	2557	2200	3105

Value	w11	w12	w13	w14	w15	w16
.D=DK	10	12	8	1	8	6
.J=Web interview, missing				5	4	
.M=Oth missing	4	3	7	6	10	13
.R=RF	1	2	2			3
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Sp NR	597	610	1109	1110	1053	1406
.X=Don't do	186	103	123	52	57	54
0.No	9391	8254	9051	7204	6648	6029
1.Yes	2892	2638	2588	2090	1750	1735

How Constructed

These variables recode raw data about difficulty with activities other than activities of daily living (ADLs) and instrumental activities of daily living (IADLs) as yes/no dummy variables, where "1" means "any difficulty" and "0" means "no difficulty." These other activities include: walking several blocks (RwWALKSA), jogging one mile (RwJOGA), walking one block (RwWALK1A), sitting for about 2 hours (RwSITA), getting up from a chair after sitting for long periods (RwCHAIRA), climbing several flights of stairs without resting (RwCLIMSA), climbing one flight of stairs without resting (RwCLIM1A), lifting or carrying weights over 10 pounds (RwLIFTA), stooping kneeling, or crouching (RwSTOOPA), reaching arms above shoulder level (RwARMSA), pushing or pulling large objects (RwPUSHA), and picking up a dime from the table (RwDIMEA). In the following, references to Rw[func]A apply to all

these variables. Note that questions used to derive RwJOGA, RwWALK1A, RwCLIMSA, RwSITA, RwCHAIRA, RwSTOOPA, and RwARMSA are not asked in Wave 2A. These variables are set to .Q in Wave 2 for AHEAD Respondents.

We attempt to make consistent variables across waves. Because of significant differences in question wording in Wave 1, we do not include these variables for this interview year. There are other cross wave differences in the way HRS presented these questions in Waves 2H and 2A and the later waves that may introduce measurement errors in these variables. In particular, there are far fewer "don't do" responses for many activities in Wave 2H than in other waves. In addition, the criteria used for skipping some questions was different in Wave 2A, which may influence the consistency of measurement for R2WALKSA, R2CLIM1A, and R2PUSHA.

The variable derivations for any difficulty (Rw[func]A) vary across waves because the question and responses can vary across waves. In Wave 2, if a Respondent answers "yes" to the first question ("Do you have any difficulty with ...") Rw[func]A is set to "1" for "any difficulty," regardless of how much difficulty the Respondent says they have in the follow-up question. From Wave 3 forward, if a Respondent answers "yes" or "can't do" to the any difficulty question, Rw[func]A is set to "1" for "any difficulty."

In all waves, if the Respondent answers "no" to the any difficulty question, Rw[func]A is set to zero. A "don't do" response is recoded to missing value .X, since the Respondent hasn't revealed whether they would have difficulty with the activity if they ever did it. If the response is "don't know" or "refuse," Rw[func]A is set to special missing codes .D or .R, respectively.

In Wave 2A, if the response to the difficulty question is "don't do," a follow-up question asks if this is because of health. If it is because of health, then R2[func]A is set to "1" for difficulty. Otherwise it is set to .X for "don't do."

In some waves, questions about activities are skipped based on answers to previous questions. In Wave 2H, if a Respondent said "no difficulty jogging a mile," then the questions about walking several blocks and walking one block are skipped. In these cases, R2WALKSA and R2WALK1A are set to "0" for "no difficulty." In Wave 2H and from Wave 3 forward, if "no difficulty" is reported for walking several blocks, the question about walking one block is skipped, and RwWALK1A is set to "0" for "no difficulty." Similarly if "no difficulty" is reported for climbing several flights of stairs, RwCLIM1A is set to "0" for "no difficulty climbing one flight of stairs." From Wave 3 forward, if the Respondent reports difficulty walking several blocks, the question about jogging one mile is skipped and RwJOG is set to "1" for "difficulty." In Wave 2A, if the Respondent reported needing help to get across a room, the questions about walking several blocks, climbing a flight of stairs, and pushing large objects are skipped. In these cases, difficulty with these tasks is assumed, so R2WALKSA, R2CLIM1A, and R2PUSHA are set to "1."

The spouse variables are taken from the spouse's self-reported Wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

Some of these variables are used to construct functional limitation indices. Please see "Other Summary Indices."

Another version of these variables simply recodes the raw HRS variables. Please see the description of the Rw[func] variables under "Other functional limitations: Raw recodes" for this version.

A third version of these variables are derived for Wave 1 only (R1[func]W). They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper. These are provided for comparison to the results found in that paper. Please see "Other functional limitations: Recodes for comparison to Wallace and Herzog" for a description of the R1[func]W variables. Note that the Wallace and Herzog variables result in more limitation than the 0/1 recodes described here for other waves (Rw[func]A) solely due to measurement differences in the raw data. The R1[func]W variables are not appropriate for comparison to the Rw[func]A variables in other waves.

Cross Wave Differences in Original HRS Data

In all waves questions ask about a number of activities, such as climbing stairs or picking up a dime, but the question wording and possible answers vary. In Waves 1 and 2H, questions about activities of daily living (ADLs) are embedded among those about other functional limitations. This description applies to the other functional limitations. The Wave 1 questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. Please

look at the answer categories at the top of page one of the booklet and tell me how difficult each activity is for you. Exclude any difficulties that you expect to last less than three months. How difficult is it for you to [...]? Is it not at all difficult, a little difficult, somewhat difficult, very difficult, or something that you can't do at all?"

The Respondent can also answer "don't do." The answers translate into 4 codes: 1 for "not at all difficult," 2 for "a little difficult," 3 for "somewhat difficult," and 4 for "very difficult/can't do." Another code is used for the "Don't do" response. The first question asks how difficult it is to run or jog a mile. The specific wording for the other functional limitations (besides ADLs) is: walk several blocks; walk one block; sit for about 2 hours; get up from a chair after sitting for long periods; climb several flights of stairs without resting; climb one flight of stairs without resting; lift or carry weights over 10 pounds like a heavy bag of groceries; stoop, kneel, or crouch; pick up a dime from the table; reach or extend your arms above shoulder level; and push or pull large objects like a living room chair. If the Respondent says they have "no difficulty" with running a mile, then all the questions about walking, including several blocks, one block, and across a room, are skipped. If "no difficulty" is reported for walking several blocks, then the questions about walking one block or across a room are skipped, and if "no difficulty" is reported for walking one block, the question about walking across a room is skipped. Likewise if "no difficulty" climbing several flights of stairs is reported, the question about climbing one flight of stairs is skipped.

In Wave 2H the questions and answers differ. The questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. Please tell me how difficult each of the following activities is for you. Exclude any difficulties that you expect to last less than three months. Do you have any difficulty with ...?" [IF YES] "Is that a little difficulty or a lot of difficulty?"

In the data the answers to the two-part question are recoded into 5-categories: 1=yes, a little difficult; 2=yes, a lot; 3=yes, DK; 4=yes, RF; 5=No; 6=doesn't do. Note that there is no "Can't do" category and that "don't do" is not an option in the instrument. The "Doesn't do" category is likely the result of post-interview interpretation of interview comments so may be observed less frequently than in other waves, simply because of questionnaire differences. The number of "Don't do" responses is much larger in other waves for most activities. For example, only 16 and 91 say "don't do" for sitting for 2 hours and climbing several flights of stairs in Wave 2H, but 87 and 736 have this response in Wave 3H, respectively. The specific wording for these activities and the question skips for walking and climbing stairs are the same as in Wave 1.

In Wave 2A, the questions are different from other waves and the list of activities is shorter. Also the ADL questions are asked first as a group. The questions about functional difficulties besides ADLs and IADLs ask:

"Do you have any difficulty ...?" Answers may be "yes," "no," "can't do" and "don't do." [If YES]: "Is that a little, or a lot of difficulty?" [If DON'T DO to the first question]: "Is that because of a health problem?"

The specific wording for these activities is: walking several blocks; climbing one flight of stairs without resting; pushing or pulling large objects like a living room chair; lifting or carrying weights over 10 pounds like a heavy bag of groceries; and picking up a dime from the table. If the Respondent reports needing help getting across a room earlier in the interview, then the questions about walking several blocks, climbing stairs, and pushing large objects are skipped.

From Wave 3 forward, the questions about ADLs and IADLs are asked after those about the other activities described here. The questions ask:

"We need to understand difficulties people may have with various activities because of a health or physical problem. Please tell me whether you have any difficulty doing each of the everyday activities that I read to you. Exclude any difficulties that you expect to last less than three months. Because of a health problem do you have any difficulty with ...?"

The answers to the difficulty questions are simply "yes," "no," "can't do," or "don't do." The exact wording for these activities is: walking several blocks; running or jogging about a mile; across a room; walking one block; sitting for about 2 hours; getting up from a chair after sitting for long periods; climbing several flights of stairs without resting; climbing one flight of stairs without resting; stooping, kneeling, or crouching; reaching or extending your arms above shoulder level; pushing or pulling large objects like a living room chair; lifting or carrying weights over 10 pounds like a heavy bag of groceries; and picking up a dime from the table. If the Respondent reports no difficulty to walking several blocks, then the question about running a mile is asked, and the question about walking one block is skipped. If the Respondent reports difficulty to walking several blocks, then the question about running a

mile is skipped. The question about climbing one flight of stairs is skipped if no difficulty is reported for climbing several flights of stairs.

From Wave 7 forward, the interviewer may also say the following if the Respondent is in a nursing home or confined to bed or a wheelchair, before asking about these activities:

"I am required to ask about all of these activities. I realize that you may not be able to do some of them, but I would appreciate it if you would just confirm that with me as we go through the list."

HRS Variables Used

```
AHEAD 1993:
    B768            E33. ADL WALK HELP EVER
    B852            E47. WALK SEV BLOCKS ANY DIFFICULTY
    B865            E48. STAIR CLIMB ANY DIFFICULTY
    B872            E49. HEAVY OBJ ANY DIFFICULTY
    B879            E50. LIFT 10 LBS ANY DIFFICULTY
    B882            E51. PICK UP DIME ANY DIFFICULTY
HRS 1994:
    W306            B4.RUNNING/JOGGING 1 MIL
    W307            B4a.WALKING SEVERAL BLOC
    W308            B4b.WALKING ONE BLOCK
    W311            B4e.GETTING UP AFTER SIT
    W313            B4g.CLIMBING SEVERAL FLI
    W314            B4h.CLIMBING ONE FLIGHT
    W315            B4j.LIFTING OR CARRYING
    W316            B4k.STOOPING/KNEELING/CR
    W317            B4m.PICKING UP A DIME
    W319            B4p.EXTENDING ARMS ABOVE
    W320            B4q.PULLING/PUSHING LARG
AHEAD 1995:
    D1834           E60.DIFF-SEV BLKS
    D1837           E61.DIFF-JOG
    D1840           E62.DIFF-1 BLK
    D1843           E63.DIFF-SIT
    D1846           E64.DIFF-CHAIR
    D1849           E65.DIFF-STAIRS
    D1852           E66.DIFF-1 STAIR
    D1855           E67.DIFF-STOOP
    D1858           E68.DIFF-REACH
    D1861           E69.DIFF-PULL PUSH
    D1864           E70.E70.DIFF-WEIGHTS
    D1867           E71.PICK DIME
HRS 1996:
    E1858           E60.DIFF-SEV BLKS
    E1861           E61.DIFF-JOG
    E1864           E62.DIFF-1 BLK
    E1867           E63.DIFF-SIT
    E1870           E64.DIFF-CHAIR
    E1873           E65.DIFF-STAIRS
    E1876           E66.DIFF-1 STAIR
    E1879           E67.DIFF-STOOP
    E1882           E68.DIFF-REACH
    E1885           E69.DIFF-PULL PUSH
    E1888           E70.DIFF-WEIGHTS
    E1891           E71.PICK DIME
HRS 1998:
    F2391           E60.DIFF-SEV BLKS
    F2392           E61.DIFF-JOG
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    F2394           E62.DIFF-1 BLK
    F2397           E63.DIFF-SIT
    F2400           E64.DIFF-CHAIR
    F2403           E65.DIFF-STAIRS
    F2406           E66.DIFF-1 STAIR
    F2409           E67.DIFF-STOOP
    F2412           E68.DIFF-REACH
    F2415           E69.DIFF-PULL PUSH
    F2418           E70.DIFF-WEIGHTS
    F2421           E71.PICK DIME
HRS 2000:
    G2689           E60.DIFF-SEV BLKS
    G2690           E61.DIFF-JOG
    G2692           E62.DIFF-1 BLK
    G2695           E63.DIFF-SIT
    G2698           E64.DIFF-CHAIR
    G2701           E65.DIFF-STAIRS
    G2704           E66.DIFF-1 STAIR
    G2707           E67.DIFF-STOOP
    G2710           E68.DIFF-REACH
    G2713           E69.DIFF-PULL PUSH
    G2716           E70.DIFF-WEIGHTS
    G2719           E71.PICK DIME
HRS 2002-2022:
    xG001           DIFFICULTY- WALKING SEVERAL BLOCKS
    xG002           DIFFICULTY- JOGGING 1 MILE
    xG003           DIFFICULTY- WALKING 1 BLOCK
    xG004           DIFFICULTY- SITTING 2 HOURS
    xG005           DIFFICULTY- GETTING UP FROM CHAIR
    xG006           DIFFICULTY- CLIMBING STAIRS
    xG007           DIFFICULTY- CLIMBING 1 FLIGHT OF STAIRS
    xG008           DIFFICULTY- STOOPING
    xG009           DIFFICULTY- REACHING ARMS
    xG010           DIFFICULTY- PULL/PUSH LARGE OBJECTS
    xG011           DIFFICULTY- LIFTING WEIGHTS
    xG012           DIFFICULTY- PICKING UP DIME
```

Other Functional Limitations: Recodes for comparison to Wallace and Herzog

Wave	Variable	Label	Type
1	R1WALKSW	R1WALKSW:W1 R Any Diff-Walk sev blocks	Categ
1	S1WALKSW	S1WALKSW:W1 S Any Diff-Walk sev blocks	Categ
1	R1JOGW	R1JOGW:W1 R Any Diff-Jog one mile	Categ
1	S1JOGW	S1JOGW:W1 S Any Diff-Jog one mile	Categ
1	R1WALK1W	R1WALK1W:W1 R Any Diff-Walk one block	Categ
1	S1WALK1W	S1WALK1W:W1 S Any Diff-Walk one block	Categ
1	R1SITW	R1SITW:W1 R Any Diff-Sit for 2 hours	Categ
1	S1SITW	S1SITW:W1 S Any Diff-Sit for 2 hours	Categ
1	R1CHAIRW	R1CHAIRW:W1 R Any Diff-Get up fr chair	Categ
1	S1CHAIRW	S1CHAIRW:W1 S Any Diff-Get up fr chair	Categ
1	R1CLIMSW	R1CLIMSW:W1 R Any Diff-Climb sev flt str	Categ
1	S1CLIMSW	S1CLIMSW:W1 S Any Diff-Climb sev flt str	Categ
1	R1CLIM1W	R1CLIM1W:W1 R Any Diff-Climb 1 flt stair	Categ
1	S1CLIM1W	S1CLIM1W:W1 S Any Diff-Climb 1 flt stair	Categ
1	R1STOOPW	R1STOOPW:W1 R Any Diff-Stoop/Kneel/Crouch	Categ
1	S1STOOPW	S1STOOPW:W1 S Any Diff-Stoop/Kneel/Crouch	Categ
1	R1LIFTW	R1LIFTW:W1 R Any Diff-Lift/carry 10lbs	Categ
1	S1LIFTW	S1LIFTW:W1 S Any Diff-Lift/carry 10lbs	Categ
1	R1DIMEW	R1DIMEW:W1 R Any Diff-Pick up a dime	Categ
1	S1DIMEW	S1DIMEW:W1 S Any Diff-Pick up a dime	Categ
1	R1ARMSW	R1ARMSW:W1 R Any Diff-Reach/xtnd arms up	Categ
1	S1ARMSW	S1ARMSW:W1 S Any Diff-Reach/xtnd arms up	Categ
1	R1PUSHW	R1PUSHW:W1 R Any Diff-Push/pull lg obj	Categ
1	S1PUSHW	S1PUSHW:W1 S Any Diff-Push/pull lg obj	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WALKSW	12471	0.24	0.43	0.0	1.0
S1WALKSW	9785	0.23	0.42	0.0	1.0
R1JOGW	10441	0.82	0.38	0.0	1.0
S1JOGW	8260	0.82	0.39	0.0	1.0

R1WALK1W	12586	0.10	0.31	0.0	1.0
S1WALK1W	9860	0.09	0.29	0.0	1.0
R1SITW	12586	0.29	0.45	0.0	1.0
S1SITW	9852	0.28	0.45	0.0	1.0
R1CHAIRW	12626	0.35	0.48	0.0	1.0
S1CHAIRW	9883	0.34	0.48	0.0	1.0
R1CLIMSW	12352	0.48	0.50	0.0	1.0
S1CLIMSW	9702	0.47	0.50	0.0	1.0
R1CLIM1W	12565	0.18	0.38	0.0	1.0
S1CLIM1W	9848	0.16	0.37	0.0	1.0
R1STOOPW	12579	0.42	0.49	0.0	1.0
S1STOOPW	9857	0.41	0.49	0.0	1.0
R1LIFTW	12523	0.25	0.43	0.0	1.0
S1LIFTW	9817	0.22	0.42	0.0	1.0
R1DIMEW	12643	0.06	0.24	0.0	1.0
S1DIMEW	9894	0.06	0.23	0.0	1.0
R1ARMSW	12636	0.12	0.32	0.0	1.0
S1ARMSW	9890	0.11	0.31	0.0	1.0
R1PUSHW	12489	0.26	0.44	0.0	1.0
S1PUSHW	9794	0.24	0.43	0.0	1.0

Categorical Variable Codes

R1WALKSW: R Any Diff-Walk sev blocks

Value	w1
.X=Don't do	181
0.No	9441
1.Yes	3030

S1WALKSW: S Any Diff-Walk sev blocks

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
.X=Don't do	115
0.No	7551
1.Yes	2234

R1JOGW: R Any Diff-Jog one mile

Value	w1
.X=Don't do	2211
0.No	1854
1.Yes	8587

S1JOGW: S Any Diff-Jog one mile

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
.X=Don't do	1640
0.No	1495
1.Yes	6765

R1WALK1W: R Any Diff-Walk one block

Value	w1
.X=Don't do	66
0.No	11271
1.Yes	1315

S1WALK1W: S Any Diff-Walk one block

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
.X=Don't do	40
0.No	8949
1.Yes	911

R1SITW: R Any Diff-Sit for 2 hours

Value	w1
.X=Don't do	66
0.No	8943
1.Yes	3643

S1SITW: S Any Diff-Sit for 2 hours

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
.X=Don't do	48
0.No	7049
1.Yes	2803

R1CHAIRW: R Any Diff-Get up fr chair

Value	w1
.X=Don't do	26
0.No	8152
1.Yes	4474

S1CHAIRW: S Any Diff-Get up fr chair

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
.X=Don't do	17
0.No	6476
1.Yes	3407

R1CLIMSW: R Any Diff-Climb sev flt str

Value	w1
.X=Don't do	300
0.No	6369
1.Yes	5983

S1CLIMSW: S Any Diff-Climb sev flt str

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
.X=Don't do	198
0.No	5188
1.Yes	4514

R1CLIM1W: R Any Diff-Climb 1 flt stair

Value	w1
.X=Don't do	87
0.No	10323
1.Yes	2242

S1CLIM1W: S Any Diff-Climb 1 flt stair

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
.X=Don't do	52
0.No	8259
1.Yes	1589

R1STOOPW: R Any Diff-Stoop/Kneel/Crouch

Value	w1
.X=Don't do	73
0.No	7258
1.Yes	5321

S1STOOPW: S Any Diff-Stoop/Kneel/Crouch

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
.X=Don't do	43
0.No	5832
1.Yes	4025

R1LIFTW: R Any Diff-Lift/carry 10lbs

Value	w1
.X=Don't do	129
0.No	9451
1.Yes	3072

S1LIFTW: S Any Diff-Lift/carry 10lbs

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
.X=Don't do	83
0.No	7633
1.Yes	2184

R1DIMEW: R Any Diff-Pick up a dime

Value	w1
.X=Don't do	9
0.No	11836
1.Yes	807

S1DIMEW: S Any Diff-Pick up a dime

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
.X=Don't do	6
0.No	9330
1.Yes	564

R1ARMSW: R Any Diff-Reach/xtnd arms up

Value	w1
.X=Don't do	16
0.No	11126
1.Yes	1510

S1ARMSW: S Any Diff-Reach/xtnd arms up

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
.X=Don't do	10
0.No	8838
1.Yes	1052

R1PUSHW: R Any Diff-Push/pull lg obj

Value	w1
.X=Don't do	163
0.No	9303
1.Yes	3186

S1PUSHW: S Any Diff-Push/pull lg obj

Value	w1
.U=Unmarried	2373
.V=Sp NR	379
.X=Don't do	106
0.No	7471
1.Yes	2323

How Constructed

These functional limitation variables are derived for Wave 1 only. They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper (Wallace and Herzog, 1995). These variables are provided for comparison to the results found in that paper.

Wallace and Herzog recode the functional limitation variables to "1" for "any difficulty" if the Respondent answered "a little difficult," "somewhat difficult" or "very difficult/can't do." A response of "not difficult at all" is recoded to zero. This recoding scheme is applied for these variables to attempt to replicate the results reported in their paper.

If a Respondent reports "no difficulty" jogging a mile, then the questions about walking several blocks and walking one block are skipped. In these cases R1WALKSW and R1WALK1W are set to "0" for "no difficulty." Similarly if the Respondent reports "no difficulty" walking several blocks or climbing several flights of stairs, then the questions about walking one block or climbing one flight of stairs, respectively, are skipped. In these cases R1WALK1W and R1CLIM1W are set to "0" for "no difficulty" as appropriate.

The spouse variables are taken from the spouse's self-reported Wave 1 data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

There are several other versions of these variables. One version simply recodes the raw HRS variables. Please see the descriptions of these under "Other Functional Limitations: Raw recodes."

Another version recodes a yes/no dummy variable in waves other than Wave 1, but these are not comparable with the Wallace and Herzog recodes. Please see the descriptions of these under "Other Functional Limitations: Any difficulty."

Some of the Wallace and Herzog indices are also derived and include some of these measures in creating functional limitation indices. Please see "Other Summary Indices."

Cross Wave Differences in Original HRS Data

In all waves questions ask about a number of activities, such as climbing stairs or picking up a dime, but the question wording and possible answers vary. In Waves 1 and 2H, questions about activities of daily living (ADLs) are embedded among those about other functional limitations. This description applies to the other functional limitations. The Wave 1 questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. Please look at the answer categories at the top of page one of the booklet and tell me how difficult each activity is for you. Exclude any difficulties that you expect to last less than three months. How difficult is it for you to [...]? Is it not at all difficult, a little difficult, somewhat difficult, very difficult, or something that you can't do at all?"

The Respondent can also answer "Don't do." The answers translate into 4 codes: 1 for "not at all difficult," 2 for "a little difficult," 3 for "somewhat difficult," and 4 for "very difficult/can't do." Another code is used for the "Don't do" response. The first question asks how difficult it is to run or jog a mile. The specific wording for the other functional limitations (besides ADLs) is: walk several blocks; walk one block; sit for about 2 hours; get up from a chair after sitting for long periods; climb several flights of stairs without resting; climb one flight of stairs without resting; lift or carry weights over 10 pounds like a heavy bag of groceries; stoop, kneel, or crouch; pick up a dime from the table; reach or extend your arms above shoulder level; and push or pull large objects like a living room chair. If the Respondent says they have no difficulty with running a mile, then all the questions about walking, including several blocks, one block, and across a room, are skipped. If "no difficulty" is reported for walking several blocks, then the questions about walking one block or across a room are skipped, and if "no difficulty" is reported for walking one block, the question about walking across a room is skipped. Likewise if "no difficulty" climbing several flights of stairs is reported, the question about climbing one flight of stairs is skipped.

Note that these variables are only derived for Wave 1. In subsequent waves, the question wording and possible answers are sufficiently different that the levels of Wave 1 codes cannot be derived from the data.

HRS Variables Used

```
HRS 1992:
    V304            B4A:RUN OR JOG 1 MIL:IMP
    V305            B4B:WALK SEVERAL BLO:IMP
    V306            B4C:WALK 1 BLOCK    :IMP
    V308            B4E:SIT FOR 2 HOURS :IMP
    V309            B4F:GET UP AFTR SIT :IMP
    V311            B4H:CLMB SVRL FLTS S:IMP
    V312            B4J:1 FLT STAIRS-NO :IMP
    V313            B4K:LIFT/CARRY 10 LB:IMP
    V314            B4M:STOOP/KNEEL/CROU:IMP
    V315            B4N:PCK UP DIME FRM :IMP
    V317            B4Q:ARMS OVER SHOULD:IMP
    V318            B4R:PULL/PUSH LRG OB:IMP
```

ADL Summary: Sum of ADLs where Respondent reports any difficulty, gets help

Wave	Variable	Label	Type
2	R2ADL5A	R2ADL5A:W2 Any Diff-sum of ADLs /0-5	Cont
3	R3ADL5A	R3ADL5A:W3 Any Diff-sum of ADLs /0-5	Cont
4	R4ADL5A	R4ADL5A:W4 Any Diff-sum of ADLs /0-5	Cont
5	R5ADL5A	R5ADL5A:W5 Any Diff-sum of ADLs /0-5	Cont
6	R6ADL5A	R6ADL5A:W6 Any Diff-sum of ADLs /0-5	Cont
7	R7ADL5A	R7ADL5A:W7 Any Diff-sum of ADLs /0-5	Cont
8	R8ADL5A	R8ADL5A:W8 Any Diff-sum of ADLs /0-5	Cont
9	R9ADL5A	R9ADL5A:W9 Any Diff-sum of ADLs /0-5	Cont
10	R10ADL5A	R10ADL5A:W10 Any Diff-sum of ADLs /0-5	Cont
11	R11ADL5A	R11ADL5A:W11 Any Diff-sum of ADLs /0-5	Cont
12	R12ADL5A	R12ADL5A:W12 Any Diff-sum of ADLs /0-5	Cont
13	R13ADL5A	R13ADL5A:W13 Any Diff-sum of ADLs /0-5	Cont
14	R14ADL5A	R14ADL5A:W14 Any Diff-sum of ADLs /0-5	Cont
15	R15ADL5A	R15ADL5A:W15 Any Diff-sum of ADLs /0-5	Cont
16	R16ADL5A	R16ADL5A:W16 Any Diff-sum of ADLs /0-5	Cont
2	S2ADL5A	S2ADL5A:W2 Any Diff-sum of ADLs /0-5	Cont
3	S3ADL5A	S3ADL5A:W3 Any Diff-sum of ADLs /0-5	Cont
4	S4ADL5A	S4ADL5A:W4 Any Diff-sum of ADLs /0-5	Cont
5	S5ADL5A	S5ADL5A:W5 Any Diff-sum of ADLs /0-5	Cont
6	S6ADL5A	S6ADL5A:W6 Any Diff-sum of ADLs /0-5	Cont
7	S7ADL5A	S7ADL5A:W7 Any Diff-sum of ADLs /0-5	Cont
8	S8ADL5A	S8ADL5A:W8 Any Diff-sum of ADLs /0-5	Cont
9	S9ADL5A	S9ADL5A:W9 Any Diff-sum of ADLs /0-5	Cont
10	S10ADL5A	S10ADL5A:W10 Any Diff-sum of ADLs /0-5	Cont
11	S11ADL5A	S11ADL5A:W11 Any Diff-sum of ADLs /0-5	Cont
12	S12ADL5A	S12ADL5A:W12 Any Diff-sum of ADLs /0-5	Cont
13	S13ADL5A	S13ADL5A:W13 Any Diff-sum of ADLs /0-5	Cont
14	S14ADL5A	S14ADL5A:W14 Any Diff-sum of ADLs /0-5	Cont
15	S15ADL5A	S15ADL5A:W15 Any Diff-sum of ADLs /0-5	Cont
16	S16ADL5A	S16ADL5A:W16 Any Diff-sum of ADLs /0-5	Cont
2	R2ADL6A	R2ADL6A:W2 Any Diff-sum of ADLs /0-6	Cont
3	R3ADL6A	R3ADL6A:W3 Any Diff-sum of ADLs /0-6	Cont
4	R4ADL6A	R4ADL6A:W4 Any Diff-sum of ADLs /0-6	Cont
5	R5ADL6A	R5ADL6A:W5 Any Diff-sum of ADLs /0-6	Cont
6	R6ADL6A	R6ADL6A:W6 Any Diff-sum of ADLs /0-6	Cont
7	R7ADL6A	R7ADL6A:W7 Any Diff-sum of ADLs /0-6	Cont
8	R8ADL6A	R8ADL6A:W8 Any Diff-sum of ADLs /0-6	Cont
9	R9ADL6A	R9ADL6A:W9 Any Diff-sum of ADLs /0-6	Cont
10	R10ADL6A	R10ADL6A:W10 Any Diff-sum of ADLs /0-6	Cont
11	R11ADL6A	R11ADL6A:W11 Any Diff-sum of ADLs /0-6	Cont
12	R12ADL6A	R12ADL6A:W12 Any Diff-sum of ADLs /0-6	Cont
13	R13ADL6A	R13ADL6A:W13 Any Diff-sum of ADLs /0-6	Cont
14	R14ADL6A	R14ADL6A:W14 Any Diff-sum of ADLs /0-6	Cont
15	R15ADL6A	R15ADL6A:W15 Any Diff-sum of ADLs /0-6	Cont
16	R16ADL6A	R16ADL6A:W16 Any Diff-sum of ADLs /0-6	Cont
2	S2ADL6A	S2ADL6A:W2 Any Diff-sum of ADLs /0-6	Cont
3	S3ADL6A	S3ADL6A:W3 Any Diff-sum of ADLs /0-6	Cont
4	S4ADL6A	S4ADL6A:W4 Any Diff-sum of ADLs /0-6	Cont
5	S5ADL6A	S5ADL6A:W5 Any Diff-sum of ADLs /0-6	Cont
6	S6ADL6A	S6ADL6A:W6 Any Diff-sum of ADLs /0-6	Cont
7	S7ADL6A	S7ADL6A:W7 Any Diff-sum of ADLs /0-6	Cont
8	S8ADL6A	S8ADL6A:W8 Any Diff-sum of ADLs /0-6	Cont
9	S9ADL6A	S9ADL6A:W9 Any Diff-sum of ADLs /0-6	Cont
10	S10ADL6A	S10ADL6A:W10 Any Diff-sum of ADLs /0-6	Cont
11	S11ADL6A	S11ADL6A:W11 Any Diff-sum of ADLs /0-6	Cont
12	S12ADL6A	S12ADL6A:W12 Any Diff-sum of ADLs /0-6	Cont
13	S13ADL6A	S13ADL6A:W13 Any Diff-sum of ADLs /0-6	Cont
14	S14ADL6A	S14ADL6A:W14 Any Diff-sum of ADLs /0-6	Cont
15	S15ADL6A	S15ADL6A:W15 Any Diff-sum of ADLs /0-6	Cont
16	S16ADL6A	S16ADL6A:W16 Any Diff-sum of ADLs /0-6	Cont
1	R1ADLW	R1ADLW:W1 Any Diff-sum of ADLs /0-5	Cont

1	S1ADLW	S1ADLW:W1 Any Diff-sum of ADLs /0-5	Cont
2	R2ADL5H	R2ADL5H:W2 R Gets Help-sum of ADLs /0-5	Cont
3	R3ADL5H	R3ADL5H:W3 R Gets Help-sum of ADLs /0-5	Cont
4	R4ADL5H	R4ADL5H:W4 R Gets Help-sum of ADLs /0-5	Cont
5	R5ADL5H	R5ADL5H:W5 R Gets Help-sum of ADLs /0-5	Cont
6	R6ADL5H	R6ADL5H:W6 R Gets Help-sum of ADLs /0-5	Cont
7	R7ADL5H	R7ADL5H:W7 R Gets Help-sum of ADLs /0-5	Cont
8	R8ADL5H	R8ADL5H:W8 R Gets Help-sum of ADLs /0-5	Cont
9	R9ADL5H	R9ADL5H:W9 R Gets Help-sum of ADLs /0-5	Cont
10	R10ADL5H	R10ADL5H:W10 R Gets Help-sum of ADLs /0-5	Cont
11	R11ADL5H	R11ADL5H:W11 R Gets Help-sum of ADLs /0-5	Cont
12	R12ADL5H	R12ADL5H:W12 R Gets Help-sum of ADLs /0-5	Cont
13	R13ADL5H	R13ADL5H:W13 R Gets Help-sum of ADLs /0-5	Cont
14	R14ADL5H	R14ADL5H:W14 R Gets Help-sum of ADLs /0-5	Cont
15	R15ADL5H	R15ADL5H:W15 R Gets Help-sum of ADLs /0-5	Cont
16	R16ADL5H	R16ADL5H:W16 R Gets Help-sum of ADLs /0-5	Cont
2	S2ADL5H	S2ADL5H:W2 S Gets Help-sum of ADLs /0-5	Cont
3	S3ADL5H	S3ADL5H:W3 S Gets Help-sum of ADLs /0-5	Cont
4	S4ADL5H	S4ADL5H:W4 S Gets Help-sum of ADLs /0-5	Cont
5	S5ADL5H	S5ADL5H:W5 S Gets Help-sum of ADLs /0-5	Cont
6	S6ADL5H	S6ADL5H:W6 S Gets Help-sum of ADLs /0-5	Cont
7	S7ADL5H	S7ADL5H:W7 S Gets Help-sum of ADLs /0-5	Cont
8	S8ADL5H	S8ADL5H:W8 S Gets Help-sum of ADLs /0-5	Cont
9	S9ADL5H	S9ADL5H:W9 S Gets Help-sum of ADLs /0-5	Cont
10	S10ADL5H	S10ADL5H:W10 S Gets Help-sum of ADLs /0-5	Cont
11	S11ADL5H	S11ADL5H:W11 S Gets Help-sum of ADLs /0-5	Cont
12	S12ADL5H	S12ADL5H:W12 S Gets Help-sum of ADLs /0-5	Cont
13	S13ADL5H	S13ADL5H:W13 S Gets Help-sum of ADLs /0-5	Cont
14	S14ADL5H	S14ADL5H:W14 S Gets Help-sum of ADLs /0-5	Cont
15	S15ADL5H	S15ADL5H:W15 S Gets Help-sum of ADLs /0-5	Cont
16	S16ADL5H	S16ADL5H:W16 S Gets Help-sum of ADLs /0-5	Cont
2	R2ADL6H	R2ADL6H:W2 R Gets Help-sum of ADLs /0-6	Cont
3	R3ADL6H	R3ADL6H:W3 R Gets Help-sum of ADLs /0-6	Cont
4	R4ADL6H	R4ADL6H:W4 R Gets Help-sum of ADLs /0-6	Cont
5	R5ADL6H	R5ADL6H:W5 R Gets Help-sum of ADLs /0-6	Cont
6	R6ADL6H	R6ADL6H:W6 R Gets Help-sum of ADLs /0-6	Cont
7	R7ADL6H	R7ADL6H:W7 R Gets Help-sum of ADLs /0-6	Cont
8	R8ADL6H	R8ADL6H:W8 R Gets Help-sum of ADLs /0-6	Cont
9	R9ADL6H	R9ADL6H:W9 R Gets Help-sum of ADLs /0-6	Cont
10	R10ADL6H	R10ADL6H:W10 R Gets Help-sum of ADLs /0-6	Cont
11	R11ADL6H	R11ADL6H:W11 R Gets Help-sum of ADLs /0-6	Cont
12	R12ADL6H	R12ADL6H:W12 R Gets Help-sum of ADLs /0-6	Cont
13	R13ADL6H	R13ADL6H:W13 R Gets Help-sum of ADLs /0-6	Cont
14	R14ADL6H	R14ADL6H:W14 R Gets Help-sum of ADLs /0-6	Cont
15	R15ADL6H	R15ADL6H:W15 R Gets Help-sum of ADLs /0-6	Cont
16	R16ADL6H	R16ADL6H:W16 R Gets Help-sum of ADLs /0-6	Cont
2	S2ADL6H	S2ADL6H:W2 S Gets Help-sum of ADLs /0-6	Cont
3	S3ADL6H	S3ADL6H:W3 S Gets Help-sum of ADLs /0-6	Cont
4	S4ADL6H	S4ADL6H:W4 S Gets Help-sum of ADLs /0-6	Cont
5	S5ADL6H	S5ADL6H:W5 S Gets Help-sum of ADLs /0-6	Cont
6	S6ADL6H	S6ADL6H:W6 S Gets Help-sum of ADLs /0-6	Cont
7	S7ADL6H	S7ADL6H:W7 S Gets Help-sum of ADLs /0-6	Cont
8	S8ADL6H	S8ADL6H:W8 S Gets Help-sum of ADLs /0-6	Cont
9	S9ADL6H	S9ADL6H:W9 S Gets Help-sum of ADLs /0-6	Cont
10	S10ADL6H	S10ADL6H:W10 S Gets Help-sum of ADLs /0-6	Cont
11	S11ADL6H	S11ADL6H:W11 S Gets Help-sum of ADLs /0-6	Cont
12	S12ADL6H	S12ADL6H:W12 S Gets Help-sum of ADLs /0-6	Cont
13	S13ADL6H	S13ADL6H:W13 S Gets Help-sum of ADLs /0-6	Cont
14	S14ADL6H	S14ADL6H:W14 S Gets Help-sum of ADLs /0-6	Cont
15	S15ADL6H	S15ADL6H:W15 S Gets Help-sum of ADLs /0-6	Cont
16	S16ADL6H	S16ADL6H:W16 S Gets Help-sum of ADLs /0-6	Cont
E	READL5H	READL5H: EXIT R Gets Help-sum of ADLs /0-5	Cont
E	READL6H	READL6H: EXIT R Gets Help-sum of ADLs /0-6	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2ADL5A	19641	0.23	0.74	0.0	5.0
R3ADL5A	17953	0.37	0.98	0.0	5.0
R4ADL5A	21356	0.37	0.99	0.0	5.0
R5ADL5A	19554	0.38	0.99	0.0	5.0
R6ADL5A	18158	0.39	1.01	0.0	5.0
R7ADL5A	20119	0.36	0.98	0.0	5.0
R8ADL5A	18460	0.39	1.01	0.0	5.0
R9ADL5A	17208	0.40	1.03	0.0	5.0
R10ADL5A	21901	0.41	1.04	0.0	5.0
R11ADL5A	20535	0.41	1.04	0.0	5.0
R12ADL5A	18730	0.43	1.07	0.0	5.0
R13ADL5A	20876	0.40	1.02	0.0	5.0
R14ADL5A	17120	0.40	1.01	0.0	5.0
R15ADL5A	15648	0.37	0.98	0.0	5.0
R16ADL5A	15718	0.40	1.01	0.0	5.0
S2ADL5A	13089	0.16	0.61	0.0	5.0
S3ADL5A	11905	0.26	0.81	0.0	5.0
S4ADL5A	13973	0.26	0.81	0.0	5.0
S5ADL5A	12725	0.26	0.81	0.0	5.0
S6ADL5A	11636	0.26	0.82	0.0	5.0
S7ADL5A	12971	0.24	0.79	0.0	5.0
S8ADL5A	11734	0.27	0.84	0.0	5.0
S9ADL5A	10644	0.26	0.80	0.0	5.0
S10ADL5A	13433	0.28	0.85	0.0	5.0
S11ADL5A	12480	0.28	0.87	0.0	5.0
S12ADL5A	11008	0.30	0.88	0.0	5.0
S13ADL5A	11772	0.28	0.84	0.0	5.0
S14ADL5A	9352	0.29	0.86	0.0	5.0
S15ADL5A	8467	0.27	0.82	0.0	5.0
S16ADL5A	7824	0.28	0.84	0.0	5.0
R2ADL6A	8221	0.40	1.02	0.0	6.0
R3ADL6A	17953	0.43	1.14	0.0	6.0
R4ADL6A	21356	0.43	1.16	0.0	6.0
R5ADL6A	19554	0.44	1.16	0.0	6.0
R6ADL6A	18158	0.45	1.18	0.0	6.0
R7ADL6A	20119	0.42	1.14	0.0	6.0
R8ADL6A	18460	0.46	1.19	0.0	6.0
R9ADL6A	17208	0.47	1.20	0.0	6.0
R10ADL6A	21901	0.47	1.21	0.0	6.0
R11ADL6A	20535	0.48	1.22	0.0	6.0
R12ADL6A	18730	0.50	1.24	0.0	6.0
R13ADL6A	20876	0.47	1.19	0.0	6.0
R14ADL6A	17120	0.46	1.17	0.0	6.0
R15ADL6A	15648	0.44	1.14	0.0	6.0
R16ADL6A	15718	0.46	1.17	0.0	6.0
S2ADL6A	4348	0.29	0.85	0.0	6.0
S3ADL6A	11905	0.29	0.93	0.0	6.0
S4ADL6A	13973	0.30	0.95	0.0	6.0
S5ADL6A	12725	0.31	0.95	0.0	6.0
S6ADL6A	11636	0.30	0.94	0.0	6.0
S7ADL6A	12971	0.28	0.92	0.0	6.0
S8ADL6A	11734	0.32	0.97	0.0	6.0
S9ADL6A	10644	0.30	0.93	0.0	6.0

S10ADL6A	13433	0.33	0.98	0.0	6.0
S11ADL6A	12480	0.33	1.00	0.0	6.0
S12ADL6A	11008	0.35	1.02	0.0	6.0
S13ADL6A	11772	0.32	0.98	0.0	6.0
S14ADL6A	9352	0.33	0.99	0.0	6.0
S15ADL6A	8467	0.31	0.95	0.0	6.0
S16ADL6A	7824	0.32	0.97	0.0	6.0
R1ADLW	12650	0.20	0.70	0.0	5.0
S1ADLW	9898	0.17	0.63	0.0	5.0
R2ADL5H	19642	0.03	0.22	0.0	4.0
R3ADL5H	17991	0.19	0.76	0.0	5.0
R4ADL5H	21384	0.19	0.75	0.0	5.0
R5ADL5H	19578	0.20	0.78	0.0	5.0
R6ADL5H	18165	0.22	0.82	0.0	5.0
R7ADL5H	20129	0.20	0.78	0.0	5.0
R8ADL5H	18469	0.21	0.81	0.0	5.0
R9ADL5H	17217	0.22	0.82	0.0	5.0
R10ADL5H	22034	0.22	0.81	0.0	5.0
R11ADL5H	20554	0.23	0.83	0.0	5.0
R12ADL5H	18747	0.24	0.85	0.0	5.0
R13ADL5H	20912	0.22	0.80	0.0	5.0
R14ADL5H	17146	0.20	0.76	0.0	5.0
R15ADL5H	15723	0.18	0.73	0.0	5.0
R16ADL5H	15787	0.20	0.77	0.0	5.0
S2ADL5H	13090	0.02	0.18	0.0	4.0
S3ADL5H	11917	0.13	0.61	0.0	5.0
S4ADL5H	13980	0.13	0.61	0.0	5.0
S5ADL5H	12730	0.13	0.62	0.0	5.0
S6ADL5H	11639	0.14	0.64	0.0	5.0
S7ADL5H	12972	0.13	0.63	0.0	5.0
S8ADL5H	11735	0.15	0.65	0.0	5.0
S9ADL5H	10646	0.13	0.61	0.0	5.0
S10ADL5H	13513	0.16	0.67	0.0	5.0
S11ADL5H	12484	0.16	0.67	0.0	5.0
S12ADL5H	11012	0.17	0.69	0.0	5.0
S13ADL5H	11779	0.16	0.65	0.0	5.0
S14ADL5H	9358	0.15	0.64	0.0	5.0
S15ADL5H	8477	0.14	0.62	0.0	5.0
S16ADL5H	7840	0.16	0.66	0.0	5.0
R2ADL6H	8222	0.08	0.35	0.0	5.0
R3ADL6H	17991	0.21	0.87	0.0	6.0
R4ADL6H	21384	0.21	0.86	0.0	6.0
R5ADL6H	19578	0.22	0.89	0.0	6.0
R6ADL6H	18165	0.24	0.94	0.0	6.0
R7ADL6H	20129	0.22	0.89	0.0	6.0
R8ADL6H	18469	0.24	0.92	0.0	6.0
R9ADL6H	17217	0.24	0.94	0.0	6.0
R10ADL6H	22034	0.25	0.92	0.0	6.0
R11ADL6H	20554	0.26	0.95	0.0	6.0
R12ADL6H	18747	0.27	0.97	0.0	6.0
R13ADL6H	20912	0.25	0.91	0.0	6.0
R14ADL6H	17146	0.22	0.86	0.0	6.0
R15ADL6H	15723	0.20	0.83	0.0	6.0
R16ADL6H	15787	0.23	0.87	0.0	6.0

S2ADL6H	4349	0.07	0.33	0.0	5.0
S3ADL6H	11917	0.14	0.70	0.0	6.0
S4ADL6H	13980	0.14	0.70	0.0	6.0
S5ADL6H	12730	0.15	0.70	0.0	6.0
S6ADL6H	11639	0.16	0.73	0.0	6.0
S7ADL6H	12972	0.15	0.71	0.0	6.0
S8ADL6H	11735	0.16	0.74	0.0	6.0
S9ADL6H	10646	0.15	0.69	0.0	6.0
S10ADL6H	13513	0.17	0.75	0.0	6.0
S11ADL6H	12484	0.17	0.75	0.0	6.0
S12ADL6H	11012	0.19	0.78	0.0	6.0
S13ADL6H	11779	0.17	0.74	0.0	6.0
S14ADL6H	9358	0.17	0.72	0.0	6.0
S15ADL6H	8477	0.15	0.71	0.0	6.0
S16ADL6H	7840	0.17	0.74	0.0	6.0
READL5H	12755	2.37	2.03	0.0	5.0
READL6H	12755	2.81	2.44	0.0	6.0

How Constructed

Core Interview Variables

RwADL5A and RwADL6A provide Activities of Daily Living (ADL) summaries, derived from Wave 2 forward, and measures the number of ADLs where "any difficulty" was reported. RwADL5A includes difficulty bathing, dressing, eating, getting in/out of bed, and walking across a room. RwADL6A adds difficulty toileting. The "any difficulty" versions of the individual measures are used to construct these measures, i.e., RwWALKRA, RwBEDA, RwBATHA, RwDRESSA, RwEATA, and RwTOILTA. Each limitation adds one to the summary measure, that is:

RwADL5A = sum (RwBATHA, RwDRESSA, RwEATA, RwBEDA, RwWALKRA)

RwADL6A = sum (RwBATHA, RwDRESSA, RwEATA, RwBEDA, RwWALKRA, RwTOILTA)

Please see "Activities of Daily Living (ADLs): Any difficulty" for a description of how the individual 0/1 variables (Rw[adl]A) are constructed. Note that special missing values in the input variables (including "don't do" which is coded as .X) are counted as a zero input to the summary variables unless all inputs are missing, in which case the summary variable is set to missing as well.

Note that RwADL5A does not include RwTOILTA, which is not available for Wave 2H Respondents. RwADL6A includes RwTOILTA but for Wave 2H Respondents R2ADL6A is set to .Q to indicate that this measure is not available.

Because of significant differences in question wording in Wave 1, we do not include these variables for this interview year. There are other cross wave differences in the way HRS presented these questions in Waves 2H and 2A and the later waves that may introduce measurement errors in these variables. In addition, the criteria used for skipping some questions changed between Wave 3 and later waves, which may also influence the consistency of measurement before Wave 4 for all ADLs except dressing.

For Wave 1, an alternate version of the measure (R1ADLW) is derived. R1ADLW uses the variables recoded for comparison to Wallace and Herzog and is provided for comparison to the results found in that paper. Each limitation adds one to the summary measure, that is:

R1ADLW = sum (R1BATHW, R1DRESSW, R1EATW, R1BEDW, R1WALKRW)

Please see "Activities of Daily Living (ADLs): Recodes for Comparison to Wallace and Herzog" for a description of how these 0/1 variables (Rw[adl]W) are constructed. Note that the Wallace and Herzog variables result in more limitation than the 0/1 recodes

for other waves (Rw[adl]A) solely due to measurement differences in the raw data. The R1ADLW variables is not appropriate for comparison to the RwADLA variables in other waves.

RwADL5H and RwADL6H provide Activities of Daily Living (ADL) summaries, derived from Wave 2 forward, and measure the number of ADLs where Respondents report getting help. RwADL5H includes getting help bathing, dressing, eating, getting in/out of bed, and walking across a room. RwADL6H adds getting help toileting. Each ADL where getting help was reported adds one to the summary measure, that is:

RwADL5H = sum (RwBATHH, RwDRESSH, RwEATH, RwBEDH, RwWALKRH)

RwADL6H = sum (RwBATHH, RwDRESSH, RwEATH, RwBEDH, RwWALKRH, RwTOILTH)

Please see "Activities of daily living (ADLs): Raw recodes" for a description of how the individual gets help variables (Rw[adl]H) are constructed.

Note that RwADL5H does not include RwTOILTH, which is not available for Wave 2H Respondents. RwADL6H includes RwTOILTH but for Wave 2H Respondents R2ADL6H is set to .Q to indicate that this measure is not available.

The spouse variables are taken from the spouse's self-reported wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

See also IADL Summary and Other Summary Indices.

Exit Interview Variables

READL5H and READL6H provide Activities of Daily Living (ADL) summaries and measure the number of ADLs where the Respondent received help in the last three months of life. READL5H includes getting help bathing, dressing, eating, getting in/out of bed, and walking across a room. READL6H adds getting help toileting. Each ADL where getting help was reported adds one to the summary measure, that is:

READL5H = sum (REBATHH, REDRESSH, REEATH, REBEDH, REWALKRH)

READL6H = sum (REBATHH, REDRESSH, REEATH, REBEDH, REWALKRH, RETOILTH)

The questions about receiving help are not asked in Wave 2H. READL5H and READL6H are set to .Q if the Respondent's Exit Interview took place in Wave 2H.

If the Respondent was bedridden around their time of death, the ADL help questions are skipped and READL5H and READL6H are set to .S. Bedridden is defined as spending more than half the day in bed for 86 or more days during the last three months before death. Please see "How Constructed" for REBEDRID for more information on bedridden status.

Please see "Activities of daily living (ADLs): Raw recodes" for a description of how the individual gets help variables (RE[adl]H) are constructed.

Core and Exit Differences

The "has difficulty" questions are only asked in the Core Interviews and therefore the summary variables for the "has difficulty" questions (RwADL5A, RwADL6A) only exist for the Core Interviews.

In Wave 2H, the "gets help" questions are asked for all ADLs except Toileting in the Core Interviews. In the Exit Interviews, the "gets help" questions are not asked until Wave 3.

Cross Wave Differences in Original HRS Data

Core Interview Variables

Please see "Cross Wave Differences in Original HRS Data" for the "Activities of daily living (ADLs): Any difficulty" section and the "Activities of daily living (ADLs): Raw recodes" section.

Exit Interview Variables

Please see "Cross Wave Differences in Original HRS Data" for the "Activities of daily living (ADLs): Raw recodes" section.

IADL Summary: Sum of IADLs where Respondent reports any difficulty, gets help

Wave	Variable	Label	Type
2	R2IADL5A	R2IADL5A:W2 Any Diff-sum of IADLs /0-5	Cont
3	R3IADL5A	R3IADL5A:W3 Any Diff-sum of IADLs /0-5	Cont
4	R4IADL5A	R4IADL5A:W4 Any Diff-sum of IADLs /0-5	Cont
5	R5IADL5A	R5IADL5A:W5 Any Diff-sum of IADLs /0-5	Cont
6	R6IADL5A	R6IADL5A:W6 Any Diff-sum of IADLs /0-5	Cont
7	R7IADL5A	R7IADL5A:W7 Any Diff-sum of IADLs /0-5	Cont
8	R8IADL5A	R8IADL5A:W8 Any Diff-sum of IADLs /0-5	Cont
9	R9IADL5A	R9IADL5A:W9 Any Diff-sum of IADLs /0-5	Cont
10	R10IADL5A	R10IADL5A:W10 Any Diff-sum of IADLs /0-5	Cont
11	R11IADL5A	R11IADL5A:W11 Any Diff-sum of IADLs /0-5	Cont
12	R12IADL5A	R12IADL5A:W12 Any Diff-sum of IADLs /0-5	Cont
13	R13IADL5A	R13IADL5A:W13 Any Diff-sum of IADLs /0-5	Cont
14	R14IADL5A	R14IADL5A:W14 Any Diff-sum of IADLs /0-5	Cont
15	R15IADL5A	R15IADL5A:W15 Any Diff-sum of IADLs /0-5	Cont
16	R16IADL5A	R16IADL5A:W16 Any Diff-sum of IADLs /0-5	Cont
2	S2IADL5A	S2IADL5A:W2 Any Diff-sum of IADLs /0-5	Cont
3	S3IADL5A	S3IADL5A:W3 Any Diff-sum of IADLs /0-5	Cont
4	S4IADL5A	S4IADL5A:W4 Any Diff-sum of IADLs /0-5	Cont
5	S5IADL5A	S5IADL5A:W5 Any Diff-sum of IADLs /0-5	Cont
6	S6IADL5A	S6IADL5A:W6 Any Diff-sum of IADLs /0-5	Cont
7	S7IADL5A	S7IADL5A:W7 Any Diff-sum of IADLs /0-5	Cont
8	S8IADL5A	S8IADL5A:W8 Any Diff-sum of IADLs /0-5	Cont
9	S9IADL5A	S9IADL5A:W9 Any Diff-sum of IADLs /0-5	Cont
10	S10IADL5A	S10IADL5A:W10 Any Diff-sum of IADLs /0-5	Cont
11	S11IADL5A	S11IADL5A:W11 Any Diff-sum of IADLs /0-5	Cont
12	S12IADL5A	S12IADL5A:W12 Any Diff-sum of IADLs /0-5	Cont
13	S13IADL5A	S13IADL5A:W13 Any Diff-sum of IADLs /0-5	Cont
14	S14IADL5A	S14IADL5A:W14 Any Diff-sum of IADLs /0-5	Cont
15	S15IADL5A	S15IADL5A:W15 Any Diff-sum of IADLs /0-5	Cont
16	S16IADL5A	S16IADL5A:W16 Any Diff-sum of IADLs /0-5	Cont
3	R3IADL5H	R3IADL5H:W3 R Gets Help-sum of IADLs /0-5	Cont
4	R4IADL5H	R4IADL5H:W4 R Gets Help-sum of IADLs /0-5	Cont
5	R5IADL5H	R5IADL5H:W5 R Gets Help-sum of IADLs /0-5	Cont
6	R6IADL5H	R6IADL5H:W6 R Gets Help-sum of IADLs /0-5	Cont
7	R7IADL5H	R7IADL5H:W7 R Gets Help-sum of IADLs /0-5	Cont
8	R8IADL5H	R8IADL5H:W8 R Gets Help-sum of IADLs /0-5	Cont
9	R9IADL5H	R9IADL5H:W9 R Gets Help-sum of IADLs /0-5	Cont
10	R10IADL5H	R10IADL5H:W10 R Gets Help-sum of IADLs /0-5	Cont
11	R11IADL5H	R11IADL5H:W11 R Gets Help-sum of IADLs /0-5	Cont
12	R12IADL5H	R12IADL5H:W12 R Gets Help-sum of IADLs /0-5	Cont
13	R13IADL5H	R13IADL5H:W13 R Gets Help-sum of IADLs /0-5	Cont
14	R14IADL5H	R14IADL5H:W14 R Gets Help-sum of IADLs /0-5	Cont
15	R15IADL5H	R15IADL5H:W15 R Gets Help-sum of IADLs /0-5	Cont
16	R16IADL5H	R16IADL5H:W16 R Gets Help-sum of IADLs /0-5	Cont
3	S3IADL5H	S3IADL5H:W3 S Gets Help-sum of IADLs /0-5	Cont
4	S4IADL5H	S4IADL5H:W4 S Gets Help-sum of IADLs /0-5	Cont
5	S5IADL5H	S5IADL5H:W5 S Gets Help-sum of IADLs /0-5	Cont
6	S6IADL5H	S6IADL5H:W6 S Gets Help-sum of IADLs /0-5	Cont
7	S7IADL5H	S7IADL5H:W7 S Gets Help-sum of IADLs /0-5	Cont
8	S8IADL5H	S8IADL5H:W8 S Gets Help-sum of IADLs /0-5	Cont
9	S9IADL5H	S9IADL5H:W9 S Gets Help-sum of IADLs /0-5	Cont
10	S10IADL5H	S10IADL5H:W10 S Gets Help-sum of IADLs /0-5	Cont
11	S11IADL5H	S11IADL5H:W11 S Gets Help-sum of IADLs /0-5	Cont
12	S12IADL5H	S12IADL5H:W12 S Gets Help-sum of IADLs /0-5	Cont
13	S13IADL5H	S13IADL5H:W13 S Gets Help-sum of IADLs /0-5	Cont
14	S14IADL5H	S14IADL5H:W14 S Gets Help-sum of IADLs /0-5	Cont
15	S15IADL5H	S15IADL5H:W15 S Gets Help-sum of IADLs /0-5	Cont
16	S16IADL5H	S16IADL5H:W16 S Gets Help-sum of IADLs /0-5	Cont
E	REIADL5H	REIADL5H: EXIT R Gets Help-sum of IADLs /0-5	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2IADL5A	8221	0.46	1.09	0.0	5.0
R3IADL5A	17951	0.34	0.96	0.0	5.0
R4IADL5A	21353	0.33	0.96	0.0	5.0
R5IADL5A	19552	0.34	0.98	0.0	5.0
R6IADL5A	18158	0.37	1.02	0.0	5.0
R7IADL5A	20116	0.34	0.96	0.0	5.0
R8IADL5A	18460	0.37	1.01	0.0	5.0
R9IADL5A	17207	0.37	1.02	0.0	5.0
R10IADL5A	21895	0.38	1.00	0.0	5.0
R11IADL5A	20536	0.38	1.03	0.0	5.0
R12IADL5A	18730	0.40	1.04	0.0	5.0
R13IADL5A	20874	0.36	0.97	0.0	5.0
R14IADL5A	17114	0.35	0.94	0.0	5.0
R15IADL5A	15646	0.33	0.93	0.0	5.0
R16IADL5A	15719	0.35	0.94	0.0	5.0
S2IADL5A	4348	0.36	0.98	0.0	5.0
S3IADL5A	11904	0.22	0.77	0.0	5.0
S4IADL5A	13973	0.22	0.77	0.0	5.0
S5IADL5A	12724	0.22	0.77	0.0	5.0
S6IADL5A	11636	0.23	0.78	0.0	5.0
S7IADL5A	12970	0.21	0.74	0.0	5.0
S8IADL5A	11733	0.24	0.79	0.0	5.0
S9IADL5A	10643	0.23	0.77	0.0	5.0
S10IADL5A	13430	0.26	0.82	0.0	5.0
S11IADL5A	12480	0.26	0.82	0.0	5.0
S12IADL5A	11008	0.27	0.84	0.0	5.0
S13IADL5A	11771	0.25	0.80	0.0	5.0
S14IADL5A	9351	0.25	0.79	0.0	5.0
S15IADL5A	8466	0.23	0.77	0.0	5.0
S16IADL5A	7826	0.24	0.77	0.0	5.0
R3IADL5H	17991	0.27	0.84	0.0	5.0
R4IADL5H	21384	0.29	0.92	0.0	5.0
R5IADL5H	19578	0.30	0.94	0.0	5.0
R6IADL5H	18165	0.34	1.00	0.0	5.0
R7IADL5H	20129	0.31	0.94	0.0	5.0
R8IADL5H	18469	0.32	0.96	0.0	5.0
R9IADL5H	17217	0.33	0.97	0.0	5.0
R10IADL5H	22034	0.31	0.94	0.0	5.0
R11IADL5H	20554	0.33	0.97	0.0	5.0
R12IADL5H	18747	0.34	0.98	0.0	5.0
R13IADL5H	20912	0.30	0.92	0.0	5.0
R14IADL5H	17146	0.29	0.89	0.0	5.0
R15IADL5H	15723	0.28	0.88	0.0	5.0
R16IADL5H	15787	0.29	0.89	0.0	5.0
S3IADL5H	11917	0.17	0.67	0.0	5.0
S4IADL5H	13980	0.19	0.72	0.0	5.0
S5IADL5H	12730	0.19	0.72	0.0	5.0
S6IADL5H	11639	0.21	0.76	0.0	5.0
S7IADL5H	12972	0.19	0.70	0.0	5.0
S8IADL5H	11735	0.20	0.74	0.0	5.0
S9IADL5H	10646	0.19	0.72	0.0	5.0
S10IADL5H	13513	0.21	0.74	0.0	5.0
S11IADL5H	12484	0.22	0.76	0.0	5.0

S12IADL5H	11012	0.22	0.76	0.0	5.0
S13IADL5H	11779	0.21	0.73	0.0	5.0
S14IADL5H	9358	0.21	0.73	0.0	5.0
S15IADL5H	8477	0.20	0.72	0.0	5.0
S16IADL5H	7840	0.20	0.72	0.0	5.0
REIADL5H	11336	2.09	1.76	0.0	5.0

How Constructed

Core Interview Variables

RwIADL5A provides a summary measure for Instrumental Activities of Daily Living (IADL), available in Wave 2A and from Wave 3 forward, and measures the number of IADLs where "any difficulty" was reported. RwIADL5H includes difficulty using the phone, managing money, taking medications, shopping for groceries, and preparing hot meals. The "any difficulty" versions of the individual measures are used to construct these measures, i.e.,RwPHONEA, RwMONEYA, RwMEDSA, RwSHOPA, and RwMEALA. Each limitation adds one to the summary measure, that is:

RwIADL5A = sum (RwPHONEA, RwMONEYA, RwMEDSA, RwSHOPA, RwMEALSA)

R2IADL5A is available only for AHEAD Respondents in Wave 2 (Wave 2A). For HRS Respondents, R2IADL5A is set to .Q to indicate that this measure is not available.

Please see "Instrumental Activities of Daily Living (IADLs): Any difficulty" for a description of how the individual 0/1 variables are constructed. Note that special missing values in the input variables (including "don't do" which is coded as .X) are counted as a zero input to the summary variables unless all inputs are missing, in which case the summary variable is set to missing as well.

The usual IADLs were not asked until Wave 2. Please see "Instrumental Activities of Daily Living (IADLs): Recodes for Comparison to Wallace and Herzog" for a description of how the individual Wave 1 IADL variables are derived.

RwIADL5H provides a summary measure for Instrumental Activities of Daily Living (IADL), derived from Wave 3 forward, and measures the number of IADLs where Respondents report getting help. RwIADL5H include difficulty using the phone, managing money, taking medications, shopping for groceries, and preparing hot meals. Each IADL where getting help was reported adds one to the summary measure, that is:

RwIADL5H = sum (RwPHONEH, RwMONEYH, RwMEDSH, RwSHOPH, RwMEALSH)

Please see "Instrumental activities of daily living (ADLs): Raw recodes" for a description of how the individual gets help variables (Rw[iadl]H) are constructed.

The spouse variables are taken from the spouse's self-reported wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

See also ADL Summary and Other Summary Indices.

Exit Interview Variables

REIADL5H provides a summary measure for Instrumental Activities of Daily Living (IADL) and measures the number of IADLs where the Respondent received help in the last three months of life. REIADL5H includes difficulty using the phone, managing money, taking medications, shopping for groceries, and preparing hot meals. Each IADL where getting help was reported adds one to the summary measure, that is:

REIADL5H = sum (REPHONEH, REMONEYH, REMEDSH, RESHOPH, REMEALSH)

The questions about receiving help are not asked in Wave 2H. REIADL5H is set to .Q if the Respondent's Exit Interview took place in Wave 2H.

If the Respondent was living in a nursing home at the time of their death the IADL help questions are skipped and REIALD5H is set to .S. From Waves 3 to 5, if the Respondent was bedridden around their time of death, the IADL help questions are skipped and REIALD5H is set to .S. Bedridden is defined as spending 86 or more days in bed for more than half the day during the last three months before death. Please see "How Constructed" for REBEDRID for more information on bedridden status.

Please see "Instrumental activities of daily living (ADLs): Raw recodes" for a description of how the individual gets help variables (RE[iadl]H) are constructed.

Core and Exit Differences

The "has difficulty" questions are only asked in the Core Interviews and therefore the summary variable for the "has difficulty" questions (RwIADL5A) only exist for the Core Interviews.

Cross Wave Differences in Original HRS Data

Core Interview Variables

Please see "Cross Wave Differences in Original HRS Data" for the "Instrumental activities of daily living (IADLs): Any difficulty" section and the "Instrumental activities of daily living (ADLs): Raw recodes" section.

Exit Interview Variables

Please see "Cross Wave Differences in Original HRS Data" for the "Instrumental activities of daily living (ADLs): Raw recodes" section.

Other Summary Indices: Mobility, Large Muscle, Gross Fine Motor Activities

Wave	Variable	Label	Type
2	R2MOBILA	R2MOBILA:W2 Any Diff-sum of Mobility measures /0-5	Cont
3	R3MOBILA	R3MOBILA:W3 Any Diff-sum of Mobility measures /0-5	Cont
4	R4MOBILA	R4MOBILA:W4 Any Diff-sum of Mobility measures /0-5	Cont
5	R5MOBILA	R5MOBILA:W5 Any Diff-sum of Mobility measures /0-5	Cont
6	R6MOBILA	R6MOBILA:W6 Any Diff-sum of Mobility measures /0-5	Cont
7	R7MOBILA	R7MOBILA:W7 Any Diff-sum of Mobility measures /0-5	Cont
8	R8MOBILA	R8MOBILA:W8 Any Diff-sum of Mobility measures /0-5	Cont
9	R9MOBILA	R9MOBILA:W9 Any Diff-sum of Mobility measures /0-5	Cont
10	R10MOBILA	R10MOBILA:W10 Any Diff-sum of Mobility measures /0-5	Cont
11	R11MOBILA	R11MOBILA:W11 Any Diff-sum of Mobility measures /0-5	Cont
12	R12MOBILA	R12MOBILA:W12 Any Diff-sum of Mobility measures /0-5	Cont
13	R13MOBILA	R13MOBILA:W13 Any Diff-sum of Mobility measures /0-5	Cont
14	R14MOBILA	R14MOBILA:W14 Any Diff-sum of Mobility measures /0-5	Cont
15	R15MOBILA	R15MOBILA:W15 Any Diff-sum of Mobility measures /0-5	Cont
16	R16MOBILA	R16MOBILA:W16 Any Diff-sum of Mobility measures /0-5	Cont
2	S2MOBILA	S2MOBILA:W2 Any Diff-sum of Mobility measures /0-5	Cont
3	S3MOBILA	S3MOBILA:W3 Any Diff-sum of Mobility measures /0-5	Cont
4	S4MOBILA	S4MOBILA:W4 Any Diff-sum of Mobility measures /0-5	Cont
5	S5MOBILA	S5MOBILA:W5 Any Diff-sum of Mobility measures /0-5	Cont
6	S6MOBILA	S6MOBILA:W6 Any Diff-sum of Mobility measures /0-5	Cont
7	S7MOBILA	S7MOBILA:W7 Any Diff-sum of Mobility measures /0-5	Cont
8	S8MOBILA	S8MOBILA:W8 Any Diff-sum of Mobility measures /0-5	Cont
9	S9MOBILA	S9MOBILA:W9 Any Diff-sum of Mobility measures /0-5	Cont
10	S10MOBILA	S10MOBILA:W10 Any Diff-sum of Mobility measures /0-5	Cont
11	S11MOBILA	S11MOBILA:W11 Any Diff-sum of Mobility measures /0-5	Cont
12	S12MOBILA	S12MOBILA:W12 Any Diff-sum of Mobility measures /0-5	Cont
13	S13MOBILA	S13MOBILA:W13 Any Diff-sum of Mobility measures /0-5	Cont
14	S14MOBILA	S14MOBILA:W14 Any Diff-sum of Mobility measures /0-5	Cont
15	S15MOBILA	S15MOBILA:W15 Any Diff-sum of Mobility measures /0-5	Cont
16	S16MOBILA	S16MOBILA:W16 Any Diff-sum of Mobility measures /0-5	Cont
2	R2LGMUSA	R2LGMUSA:W2 Any Diff-sum of Large Muscle measures /0-4	Cont
3	R3LGMUSA	R3LGMUSA:W3 Any Diff-sum of Large Muscle measures /0-4	Cont
4	R4LGMUSA	R4LGMUSA:W4 Any Diff-sum of Large Muscle measures /0-4	Cont
5	R5LGMUSA	R5LGMUSA:W5 Any Diff-sum of Large Muscle measures /0-4	Cont
6	R6LGMUSA	R6LGMUSA:W6 Any Diff-sum of Large Muscle measures /0-4	Cont
7	R7LGMUSA	R7LGMUSA:W7 Any Diff-sum of Large Muscle measures /0-4	Cont
8	R8LGMUSA	R8LGMUSA:W8 Any Diff-sum of Large Muscle measures /0-4	Cont
9	R9LGMUSA	R9LGMUSA:W9 Any Diff-sum of Large Muscle measures /0-4	Cont
10	R10LGMUSA	R10LGMUSA:W10 Any Diff-sum of Large Muscle measures /0-4	Cont
11	R11LGMUSA	R11LGMUSA:W11 Any Diff-sum of Large Muscle measures /0-4	Cont
12	R12LGMUSA	R12LGMUSA:W12 Any Diff-sum of Large Muscle measures /0-4	Cont
13	R13LGMUSA	R13LGMUSA:W13 Any Diff-sum of Large Muscle measures /0-4	Cont
14	R14LGMUSA	R14LGMUSA:W14 Any Diff-sum of Large Muscle measures /0-4	Cont
15	R15LGMUSA	R15LGMUSA:W15 Any Diff-sum of Large Muscle measures /0-4	Cont
16	R16LGMUSA	R16LGMUSA:W16 Any Diff-sum of Large Muscle measures /0-4	Cont
2	S2LGMUSA	S2LGMUSA:W2 Any Diff-sum of Large Muscle measures /0-4	Cont
3	S3LGMUSA	S3LGMUSA:W3 Any Diff-sum of Large Muscle measures /0-4	Cont
4	S4LGMUSA	S4LGMUSA:W4 Any Diff-sum of Large Muscle measures /0-4	Cont
5	S5LGMUSA	S5LGMUSA:W5 Any Diff-sum of Large Muscle measures /0-4	Cont
6	S6LGMUSA	S6LGMUSA:W6 Any Diff-sum of Large Muscle measures /0-4	Cont
7	S7LGMUSA	S7LGMUSA:W7 Any Diff-sum of Large Muscle measures /0-4	Cont
8	S8LGMUSA	S8LGMUSA:W8 Any Diff-sum of Large Muscle measures /0-4	Cont
9	S9LGMUSA	S9LGMUSA:W9 Any Diff-sum of Large Muscle measures /0-4	Cont
10	S10LGMUSA	S10LGMUSA:W10 Any Diff-sum of Large Muscle measures /0-4	Cont
11	S11LGMUSA	S11LGMUSA:W11 Any Diff-sum of Large Muscle measures /0-4	Cont
12	S12LGMUSA	S12LGMUSA:W12 Any Diff-sum of Large Muscle measures /0-4	Cont
13	S13LGMUSA	S13LGMUSA:W13 Any Diff-sum of Large Muscle measures /0-4	Cont
14	S14LGMUSA	S14LGMUSA:W14 Any Diff-sum of Large Muscle measures /0-4	Cont
15	S15LGMUSA	S15LGMUSA:W15 Any Diff-sum of Large Muscle measures /0-4	Cont
16	S16LGMUSA	S16LGMUSA:W16 Any Diff-sum of Large Muscle measures /0-4	Cont
2	R2GROSSA	R2GROSSA:W2 Walk1/R,Clim1,Bed,Bath/0-5	Cont
3	R3GROSSA	R3GROSSA:W3 Walk1/R,Clim1,Bed,Bath/0-5	Cont

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 4    R4GROSSA            R4GROSSA:W4 Walk1/R,Clim1,Bed,Bath/0-5                    Cont
 5    R5GROSSA            R5GROSSA:W5 Walk1/R,Clim1,Bed,Bath/0-5                    Cont
 6    R6GROSSA            R6GROSSA:W6 Walk1/R,Clim1,Bed,Bath/0-5                    Cont
 7    R7GROSSA            R7GROSSA:W7 Walk1/R,Clim1,Bed,Bath/0-5                    Cont
 8    R8GROSSA            R8GROSSA:W8 Walk1/R,Clim1,Bed,Bath/0-5                    Cont
 9    R9GROSSA            R9GROSSA:W9 Walk1/R,Clim1,Bed,Bath/0-5                    Cont
10    R10GROSSA           R10GROSSA:W10 Walk1/R,Clim1,Bed,Bath/0-5                  Cont
11    R11GROSSA           R11GROSSA:W11 Walk1/R,Clim1,Bed,Bath/0-5                  Cont
12    R12GROSSA           R12GROSSA:W12 Walk1/R,Clim1,Bed,Bath/0-5                  Cont
13    R13GROSSA           R13GROSSA:W13 Walk1/R,Clim1,Bed,Bath/0-5                  Cont
14    R14GROSSA           R14GROSSA:W14 Walk1/R,Clim1,Bed,Bath/0-5                  Cont
15    R15GROSSA           R15GROSSA:W15 Walk1/R,Clim1,Bed,Bath/0-5                  Cont
16    R16GROSSA           R16GROSSA:W16 Walk1/R,Clim1,Bed,Bath/0-5                  Cont

 2    S2GROSSA            S2GROSSA:W2 Walk1/R,Clim1,Bed,Bath/0-5                    Cont
 3    S3GROSSA            S3GROSSA:W3 Walk1/R,Clim1,Bed,Bath/0-5                    Cont
 4    S4GROSSA            S4GROSSA:W4 Walk1/R,Clim1,Bed,Bath/0-5                    Cont
 5    S5GROSSA            S5GROSSA:W5 Walk1/R,Clim1,Bed,Bath/0-5                    Cont
 6    S6GROSSA            S6GROSSA:W6 Walk1/R,Clim1,Bed,Bath/0-5                    Cont
 7    S7GROSSA            S7GROSSA:W7 Walk1/R,Clim1,Bed,Bath/0-5                    Cont
 8    S8GROSSA            S8GROSSA:W8 Walk1/R,Clim1,Bed,Bath/0-5                    Cont
 9    S9GROSSA            S9GROSSA:W9 Walk1/R,Clim1,Bed,Bath/0-5                    Cont
10    S10GROSSA           S10GROSSA:W10 Walk1/R,Clim1,Bed,Bath/0-5                  Cont
11    S11GROSSA           S11GROSSA:W11 Walk1/R,Clim1,Bed,Bath/0-5                  Cont
12    S12GROSSA           S12GROSSA:W12 Walk1/R,Clim1,Bed,Bath/0-5                  Cont
13    S13GROSSA           S13GROSSA:W13 Walk1/R,Clim1,Bed,Bath/0-5                  Cont
14    S14GROSSA           S14GROSSA:W14 Walk1/R,Clim1,Bed,Bath/0-5                  Cont
15    S15GROSSA           S15GROSSA:W15 Walk1/R,Clim1,Bed,Bath/0-5                  Cont
16    S16GROSSA           S16GROSSA:W16 Walk1/R,Clim1,Bed,Bath/0-5                  Cont

 2    R2FINEA             R2FINEA:W2 Dime/Eat/Dress /0-3                            Cont
 3    R3FINEA             R3FINEA:W3 Dime/Eat/Dress /0-3                            Cont
 4    R4FINEA             R4FINEA:W4 Dime/Eat/Dress /0-3                            Cont
 5    R5FINEA             R5FINEA:W5 Dime/Eat/Dress /0-3                            Cont
 6    R6FINEA             R6FINEA:W6 Dime/Eat/Dress /0-3                            Cont
 7    R7FINEA             R7FINEA:W7 Dime/Eat/Dress /0-3                            Cont
 8    R8FINEA             R8FINEA:W8 Dime/Eat/Dress /0-3                            Cont
 9    R9FINEA             R9FINEA:W9 Dime/Eat/Dress /0-3                            Cont
10    R10FINEA            R10FINEA:W10 Dime/Eat/Dress /0-3                          Cont
11    R11FINEA            R11FINEA:W11 Dime/Eat/Dress /0-3                          Cont
12    R12FINEA            R12FINEA:W12 Dime/Eat/Dress /0-3                          Cont
13    R13FINEA            R13FINEA:W13 Dime/Eat/Dress /0-3                          Cont
14    R14FINEA            R14FINEA:W14 Dime/Eat/Dress /0-3                          Cont
15    R15FINEA            R15FINEA:W15 Dime/Eat/Dress /0-3                          Cont
16    R16FINEA            R16FINEA:W16 Dime/Eat/Dress /0-3                          Cont

 2    S2FINEA             S2FINEA:W2 Dime/Eat/Dress /0-3                            Cont
 3    S3FINEA             S3FINEA:W3 Dime/Eat/Dress /0-3                            Cont
 4    S4FINEA             S4FINEA:W4 Dime/Eat/Dress /0-3                            Cont
 5    S5FINEA             S5FINEA:W5 Dime/Eat/Dress /0-3                            Cont
 6    S6FINEA             S6FINEA:W6 Dime/Eat/Dress /0-3                            Cont
 7    S7FINEA             S7FINEA:W7 Dime/Eat/Dress /0-3                            Cont
 8    S8FINEA             S8FINEA:W8 Dime/Eat/Dress /0-3                            Cont
 9    S9FINEA             S9FINEA:W9 Dime/Eat/Dress /0-3                            Cont
10    S10FINEA            S10FINEA:W10 Dime/Eat/Dress /0-3                          Cont
11    S11FINEA            S11FINEA:W11 Dime/Eat/Dress /0-3                          Cont
12    S12FINEA            S12FINEA:W12 Dime/Eat/Dress /0-3                          Cont
13    S13FINEA            S13FINEA:W13 Dime/Eat/Dress /0-3                          Cont
14    S14FINEA            S14FINEA:W14 Dime/Eat/Dress /0-3                          Cont
15    S15FINEA            S15FINEA:W15 Dime/Eat/Dress /0-3                          Cont
16    S16FINEA            S16FINEA:W16 Dime/Eat/Dress /0-3                          Cont

 1    R1MOBILW            R1MOBILW:W1 Any Diff-sum of Mobility measures /0-5        Cont

 1    S1MOBILW            S1MOBILW:W1 Any Diff-sum of Mobility measures /0-5        Cont

 1    R1LGMUSW            R1LGMUSW:W1 Any Diff-sum of Large Muscle measures /0-4    Cont

 1    S1LGMUSW            S1LGMUSW:W1 Any Diff-sum of Large Muscle measures /0-4    Cont
```

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2MOBILA	11407	0.69	1.20	0.0	5.0
R3MOBILA	17949	1.01	1.44	0.0	5.0
R4MOBILA	21352	1.01	1.46	0.0	5.0
R5MOBILA	19541	1.07	1.49	0.0	5.0
R6MOBILA	18151	1.16	1.52	0.0	5.0
R7MOBILA	20107	1.11	1.49	0.0	5.0
R8MOBILA	18454	1.21	1.54	0.0	5.0
R9MOBILA	17205	1.22	1.55	0.0	5.0
R10MOBILA	21903	1.18	1.54	0.0	5.0
R11MOBILA	20535	1.21	1.56	0.0	5.0
R12MOBILA	18731	1.27	1.57	0.0	5.0
R13MOBILA	20872	1.20	1.56	0.0	5.0
R14MOBILA	17120	1.27	1.58	0.0	5.0
R15MOBILA	15649	1.17	1.55	0.0	5.0
R16MOBILA	15725	1.24	1.58	0.0	5.0
S2MOBILA	8731	0.62	1.12	0.0	5.0
S3MOBILA	11903	0.83	1.31	0.0	5.0
S4MOBILA	13972	0.83	1.32	0.0	5.0
S5MOBILA	12723	0.88	1.35	0.0	5.0
S6MOBILA	11634	0.95	1.38	0.0	5.0
S7MOBILA	12968	0.91	1.35	0.0	5.0
S8MOBILA	11733	0.99	1.40	0.0	5.0
S9MOBILA	10645	0.98	1.39	0.0	5.0
S10MOBILA	13434	0.96	1.39	0.0	5.0
S11MOBILA	12480	0.99	1.42	0.0	5.0
S12MOBILA	11009	1.04	1.43	0.0	5.0
S13MOBILA	11770	0.98	1.43	0.0	5.0
S14MOBILA	9352	1.03	1.44	0.0	5.0
S15MOBILA	8467	0.95	1.42	0.0	5.0
S16MOBILA	7829	0.99	1.44	0.0	5.0
R2LGMUSA	11419	1.06	1.28	0.0	4.0
R3LGMUSA	17946	1.18	1.31	0.0	4.0
R4LGMUSA	21345	1.17	1.31	0.0	4.0
R5LGMUSA	19544	1.20	1.31	0.0	4.0
R6LGMUSA	18151	1.30	1.32	0.0	4.0
R7LGMUSA	20102	1.26	1.32	0.0	4.0
R8LGMUSA	18457	1.36	1.34	0.0	4.0
R9LGMUSA	17203	1.34	1.33	0.0	4.0
R10LGMUSA	21898	1.34	1.38	0.0	4.0
R11LGMUSA	20533	1.34	1.39	0.0	4.0
R12LGMUSA	18728	1.38	1.41	0.0	4.0
R13LGMUSA	20873	1.32	1.40	0.0	4.0
R14LGMUSA	17118	1.34	1.41	0.0	4.0
R15LGMUSA	15649	1.24	1.37	0.0	4.0
R16LGMUSA	15720	1.27	1.37	0.0	4.0
S2LGMUSA	8740	1.00	1.23	0.0	4.0
S3LGMUSA	11901	1.07	1.28	0.0	4.0
S4LGMUSA	13966	1.06	1.27	0.0	4.0
S5LGMUSA	12723	1.09	1.27	0.0	4.0
S6LGMUSA	11635	1.18	1.28	0.0	4.0
S7LGMUSA	12962	1.14	1.28	0.0	4.0
S8LGMUSA	11732	1.22	1.30	0.0	4.0
S9LGMUSA	10642	1.20	1.28	0.0	4.0

S10LGMUSA	13431	1.20	1.34	0.0	4.0
S11LGMUSA	12479	1.19	1.34	0.0	4.0
S12LGMUSA	11008	1.22	1.35	0.0	4.0
S13LGMUSA	11770	1.17	1.34	0.0	4.0
S14LGMUSA	9352	1.17	1.35	0.0	4.0
S15LGMUSA	8467	1.08	1.30	0.0	4.0
S16LGMUSA	7826	1.10	1.30	0.0	4.0
R2GROSSA	11420	0.27	0.83	0.0	5.0
R3GROSSA	17955	0.52	1.13	0.0	5.0
R4GROSSA	21359	0.53	1.15	0.0	5.0
R5GROSSA	19554	0.55	1.17	0.0	5.0
R6GROSSA	18158	0.59	1.19	0.0	5.0
R7GROSSA	20118	0.55	1.16	0.0	5.0
R8GROSSA	18462	0.60	1.20	0.0	5.0
R9GROSSA	17209	0.61	1.21	0.0	5.0
R10GROSSA	21906	0.59	1.21	0.0	5.0
R11GROSSA	20536	0.61	1.22	0.0	5.0
R12GROSSA	18732	0.64	1.24	0.0	5.0
R13GROSSA	20876	0.61	1.21	0.0	5.0
R14GROSSA	17120	0.63	1.21	0.0	5.0
R15GROSSA	15650	0.59	1.18	0.0	5.0
R16GROSSA	15725	0.63	1.21	0.0	5.0
S2GROSSA	8741	0.23	0.75	0.0	5.0
S3GROSSA	11907	0.38	0.95	0.0	5.0
S4GROSSA	13974	0.38	0.97	0.0	5.0
S5GROSSA	12725	0.40	0.99	0.0	5.0
S6GROSSA	11636	0.41	1.00	0.0	5.0
S7GROSSA	12970	0.39	0.97	0.0	5.0
S8GROSSA	11734	0.43	1.01	0.0	5.0
S9GROSSA	10645	0.42	0.99	0.0	5.0
S10GROSSA	13436	0.42	1.01	0.0	5.0
S11GROSSA	12480	0.45	1.04	0.0	5.0
S12GROSSA	11009	0.46	1.05	0.0	5.0
S13GROSSA	11772	0.44	1.03	0.0	5.0
S14GROSSA	9352	0.46	1.04	0.0	5.0
S15GROSSA	8467	0.43	1.02	0.0	5.0
S16GROSSA	7829	0.45	1.04	0.0	5.0
R2FINEA	19641	0.13	0.42	0.0	3.0
R3FINEA	17954	0.22	0.57	0.0	3.0
R4FINEA	21356	0.21	0.57	0.0	3.0
R5FINEA	19554	0.22	0.57	0.0	3.0
R6FINEA	18157	0.22	0.57	0.0	3.0
R7FINEA	20119	0.21	0.56	0.0	3.0
R8FINEA	18461	0.23	0.59	0.0	3.0
R9FINEA	17208	0.24	0.59	0.0	3.0
R10FINEA	21902	0.24	0.59	0.0	3.0
R11FINEA	20536	0.23	0.60	0.0	3.0
R12FINEA	18730	0.26	0.62	0.0	3.0
R13FINEA	20875	0.23	0.59	0.0	3.0
R14FINEA	17120	0.22	0.58	0.0	3.0
R15FINEA	15649	0.22	0.57	0.0	3.0
R16FINEA	15718	0.23	0.58	0.0	3.0
S2FINEA	13089	0.09	0.36	0.0	3.0
S3FINEA	11906	0.17	0.50	0.0	3.0
S4FINEA	13973	0.16	0.49	0.0	3.0

S5FINEA	12725	0.17	0.50	0.0	3.0
S6FINEA	11636	0.16	0.48	0.0	3.0
S7FINEA	12971	0.15	0.47	0.0	3.0
S8FINEA	11734	0.18	0.51	0.0	3.0
S9FINEA	10644	0.17	0.49	0.0	3.0
S10FINEA	13434	0.18	0.51	0.0	3.0
S11FINEA	12480	0.18	0.52	0.0	3.0
S12FINEA	11009	0.19	0.54	0.0	3.0
S13FINEA	11772	0.17	0.50	0.0	3.0
S14FINEA	9352	0.17	0.50	0.0	3.0
S15FINEA	8467	0.17	0.49	0.0	3.0
S16FINEA	7825	0.17	0.49	0.0	3.0
R1MOBILW	12641	1.04	1.36	0.0	5.0
S1MOBILW	9891	0.97	1.31	0.0	5.0
R1LGMUSW	12649	1.31	1.34	0.0	4.0
S1LGMUSW	9897	1.27	1.31	0.0	4.0

How Constructed

Several summary measures for functional limitations are included in an attempt to provide some consistency across waves. Wallace and Herzog present summary measures in their paper (Wallace and Herzog, 1995) which include measures for ADLs, mobility, large muscle, and IADLs. For ADL and IADL summary measures, please see "ADL Summary" and "IADL Summary." The mobility and large muscle indices are included here. After examining individual measures, two groupings of the most consistent cross wave measures were added, gross and fine motor summaries.

The large muscle index uses the sitting for 2 hrs, getting up from a chair, stooping, kneeling or crouching, and pushing or pulling large objects activities. The mobility index uses the walking one block, walking several blocks, walking across a room, climbing one flight of stairs, and climbing several flights of stairs activities. The fine motor index uses the picking up a dime, eating, and dressing activities. The gross motor index uses the walking one block, walking across a room, climbing one flight of stairs, getting in or out of bed, and bathing activities. In all waves the "any difficulty" versions of the individual measures are used to construct these measures. Each limitation adds one to the summary measure, that is:

RwMOBILA= sum (RwWALKSA, RwWALK1A, RwWALKRA, RwCLIMSA, RwCLIM1A)

RwLGMUSA= sum (RwSITA, RwCHAIRA, RwSTOOPA, RwPUSHA)

RwGROSSA= sum (RwWALK1A, RwWALKRA, RwCLIM1A, RwBEDA, RwBATHA)

RwFINEA= sum (RwDIMEA, RwEATA, RwDRESSA)

In Wave 2A, there is no R2WALK1A for R2GROSSA so we set .Q to R2GROSSA.

In Wave 2A, there are no R2WALK1A and R2CLIMSA so we set R2MOBILA and R2GROSSA to .Q for AHEAD Respondents in Wave 2. There are no R2SITA, R2CHAIRA and R2STOOPA so we set R2LGMUSA to .Q as well.

Please see "Activities of Daily Living (ADLs): Any difficulty" for a description of how RwWALKRA, RwBEDA, RwBATHA, RwEATA, and RwDRESSA are derived. Please see "Other Functional Limitations: Any difficulty" for a description of how the other individual 0/1 variables are constructed. Note that special missing values in the input variables (including "don't do" which is coded as .X) are counted as a zero input to the summary variables unless all inputs are missing, in which case the summary variable is set to

missing as well.

For Wave 1 only, alternate versions of two of these measures are derived. R1MOBILW is analogous to RwMOBILA and R1LGMUSW is analogous to RwLGMUSA. These measures use the variables recoded for comparison to Wallace and Herzog, and are provided for comparison to the results found in that paper. Each limitation adds one to the summary measure, that is:

R1MOBILW= sum (R1WALKSW, R1WALK1W, R1WALKRW, R1CLIMSW, R1CLIM1W)

R1LGMUSW= sum (R1SITW, R1CHAIRW, R1STOOPW, R1PUSHW)

Please see "Activities of Daily Living (ADLs): Recodes for Comparison to Wallace and Herzog" for a description of how RwWALKRW is derived. Please see "Other Functional Limitations: Recodes for Comparison to Wallace and Herzog" for how the other individual 0/1 variables are constructed.

The spouse variables are taken from the spouse's self-reported wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

Cross Wave Differences in Original HRS Data

In Wave 2A, there are no R2WALK1A and R2CLIMSA so we set R2MOBILA and R2GROSSA to .Q for AHEAD Respondents in Wave 2. There are no R2SITA, R2CHAIRA and R2STOOPA, so we set R2LGMUSA to .Q as well.

Please see "Cross Wave Differences in Original HRS Data" for the "Activities of daily living (ADLs): Any difficulty" and for "Other Functional Limitations: Any difficulty."

Safety Supervision Prior to Death

Wave	Variable	Label	Type
E	RESUPER	RESUPER:EXIT R supervised for safety	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RESUPER	13787	0.70	0.46	0.0	1.0

Categorical Variable Codes

RESUPER: EXIT R supervised for safety

Value	
.D=DK	164
.M=Oth missing	22
.Q=Not asked this wv	3727
.R=RF	12
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	4119
1.Yes	9668

How Constructed

RESUPER indicates whether the Respondent received supervision to ensure safety in their last 3 months of life.

The question about safety supervision is first asked in Wave 6. RESUPER is set to .Q if the Respondent's Exit Interview took place from Waves 2A to 5.

Cross Wave Differences in Original HRS Data

There are no questions asked about safety supervision prior to Exit Interview Wave 6; therefore RESUPER is set to .Q if the Respondent's Exit Interview took place from Wave 2A to 5.

HRS Variables Used

Exit Interview Variables

HRS 2002-2022:
xG103 ANYONE MONITOR OR SUPERVISE R

ADLs, IADLs, and Finances: Total Number of Helpers

Wave	Variable	Label	Type
3	R3HLPRTN	R3HLPRTN:W3 Total number of helpers who helped last month	Categ
4	R4HLPRTN	R4HLPRTN:W4 Total number of helpers who helped last month	Categ
5	R5HLPRTN	R5HLPRTN:W5 Total number of helpers who helped last month	Categ
6	R6HLPRTN	R6HLPRTN:W6 Total number of helpers who helped last month	Categ
7	R7HLPRTN	R7HLPRTN:W7 Total number of helpers who helped last month	Categ
8	R8HLPRTN	R8HLPRTN:W8 Total number of helpers who helped last month	Categ
9	R9HLPRTN	R9HLPRTN:W9 Total number of helpers who helped last month	Categ
10	R10HLPRTN	R10HLPRTN:W10 Total number of helpers who helped last month	Categ
11	R11HLPRTN	R11HLPRTN:W11 Total number of helpers who helped last month	Categ
12	R12HLPRTN	R12HLPRTN:W12 Total number of helpers who helped last month	Categ
13	R13HLPRTN	R13HLPRTN:W13 Total number of helpers who helped last month	Categ
14	R14HLPRTN	R14HLPRTN:W14 Total number of helpers who helped last month	Categ
15	R15HLPRTN	R15HLPRTN:W15 Total number of helpers who helped last month	Categ
16	R16HLPRTN	R16HLPRTN:W16 Total number of helpers who helped last month	Categ
3	S3HLPRTN	S3HLPRTN:W3 Total number of helpers who helped last month	Categ
4	S4HLPRTN	S4HLPRTN:W4 Total number of helpers who helped last month	Categ
5	S5HLPRTN	S5HLPRTN:W5 Total number of helpers who helped last month	Categ
6	S6HLPRTN	S6HLPRTN:W6 Total number of helpers who helped last month	Categ
7	S7HLPRTN	S7HLPRTN:W7 Total number of helpers who helped last month	Categ
8	S8HLPRTN	S8HLPRTN:W8 Total number of helpers who helped last month	Categ
9	S9HLPRTN	S9HLPRTN:W9 Total number of helpers who helped last month	Categ
10	S10HLPRTN	S10HLPRTN:W10 Total number of helpers who helped last month	Categ
11	S11HLPRTN	S11HLPRTN:W11 Total number of helpers who helped last month	Categ
12	S12HLPRTN	S12HLPRTN:W12 Total number of helpers who helped last month	Categ
13	S13HLPRTN	S13HLPRTN:W13 Total number of helpers who helped last month	Categ
14	S14HLPRTN	S14HLPRTN:W14 Total number of helpers who helped last month	Categ
15	S15HLPRTN	S15HLPRTN:W15 Total number of helpers who helped last month	Categ
16	S16HLPRTN	S16HLPRTN:W16 Total number of helpers who helped last month	Categ
3	R3INHPTN	R3INHPTN:W3 Total number of helpers ever helped	Categ
4	R4INHPTN	R4INHPTN:W4 Total number of helpers ever helped	Categ
5	R5INHPTN	R5INHPTN:W5 Total number of helpers ever helped	Categ
6	R6INHPTN	R6INHPTN:W6 Total number of helpers ever helped	Categ
7	R7INHPTN	R7INHPTN:W7 Total number of helpers ever helped	Categ
8	R8INHPTN	R8INHPTN:W8 Total number of helpers ever helped	Categ
9	R9INHPTN	R9INHPTN:W9 Total number of helpers ever helped	Categ
10	R10INHPTN	R10INHPTN:W10 Total number of helpers ever helped	Categ
11	R11INHPTN	R11INHPTN:W11 Total number of helpers ever helped	Categ
12	R12INHPTN	R12INHPTN:W12 Total number of helpers ever helped	Categ
13	R13INHPTN	R13INHPTN:W13 Total number of helpers ever helped	Categ
14	R14INHPTN	R14INHPTN:W14 Total number of helpers ever helped	Categ
15	R15INHPTN	R15INHPTN:W15 Total number of helpers ever helped	Categ
16	R16INHPTN	R16INHPTN:W16 Total number of helpers ever helped	Categ
3	S3INHPTN	S3INHPTN:W3 Total number of helpers ever helped	Categ
4	S4INHPTN	S4INHPTN:W4 Total number of helpers ever helped	Categ
5	S5INHPTN	S5INHPTN:W5 Total number of helpers ever helped	Categ
6	S6INHPTN	S6INHPTN:W6 Total number of helpers ever helped	Categ
7	S7INHPTN	S7INHPTN:W7 Total number of helpers ever helped	Categ
8	S8INHPTN	S8INHPTN:W8 Total number of helpers ever helped	Categ
9	S9INHPTN	S9INHPTN:W9 Total number of helpers ever helped	Categ
10	S10INHPTN	S10INHPTN:W10 Total number of helpers ever helped	Categ
11	S11INHPTN	S11INHPTN:W11 Total number of helpers ever helped	Categ
12	S12INHPTN	S12INHPTN:W12 Total number of helpers ever helped	Categ
13	S13INHPTN	S13INHPTN:W13 Total number of helpers ever helped	Categ
14	S14INHPTN	S14INHPTN:W14 Total number of helpers ever helped	Categ
15	S15INHPTN	S15INHPTN:W15 Total number of helpers ever helped	Categ
16	S16INHPTN	S16INHPTN:W16 Total number of helpers ever helped	Categ
3	R3INHPE	R3INHPE:W3 Any employee of institution ever helped	Categ
4	R4INHPE	R4INHPE:W4 Any employee of institution ever helped	Categ
5	R5INHPE	R5INHPE:W5 Any employee of institution ever helped	Categ
6	R6INHPE	R6INHPE:W6 Any employee of institution ever helped	Categ
7	R7INHPE	R7INHPE:W7 Any employee of institution ever helped	Categ
8	R8INHPE	R8INHPE:W8 Any employee of institution ever helped	Categ

9	R9INHPE	R9INHPE:W9 Any employee of institution ever helped	Categ
10	R10INHPE	R10INHPE:W10 Any employee of institution ever helped	Categ
11	R11INHPE	R11INHPE:W11 Any employee of institution ever helped	Categ
12	R12INHPE	R12INHPE:W12 Any employee of institution ever helped	Categ
13	R13INHPE	R13INHPE:W13 Any employee of institution ever helped	Categ
14	R14INHPE	R14INHPE:W14 Any employee of institution ever helped	Categ
15	R15INHPE	R15INHPE:W15 Any employee of institution ever helped	Categ
16	R16INHPE	R16INHPE:W16 Any employee of institution ever helped	Categ
3	S3INHPE	S3INHPE:W3 Any employee of institution ever helped	Categ
4	S4INHPE	S4INHPE:W4 Any employee of institution ever helped	Categ
5	S5INHPE	S5INHPE:W5 Any employee of institution ever helped	Categ
6	S6INHPE	S6INHPE:W6 Any employee of institution ever helped	Categ
7	S7INHPE	S7INHPE:W7 Any employee of institution ever helped	Categ
8	S8INHPE	S8INHPE:W8 Any employee of institution ever helped	Categ
9	S9INHPE	S9INHPE:W9 Any employee of institution ever helped	Categ
10	S10INHPE	S10INHPE:W10 Any employee of institution ever helped	Categ
11	S11INHPE	S11INHPE:W11 Any employee of institution ever helped	Categ
12	S12INHPE	S12INHPE:W12 Any employee of institution ever helped	Categ
13	S13INHPE	S13INHPE:W13 Any employee of institution ever helped	Categ
14	S14INHPE	S14INHPE:W14 Any employee of institution ever helped	Categ
15	S15INHPE	S15INHPE:W15 Any employee of institution ever helped	Categ
16	S16INHPE	S16INHPE:W16 Any employee of institution ever helped	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3HLPRTN	17980	0.05	0.37	0.0	7.0
R4HLPRTN	21318	0.19	0.71	0.0	11.0
R5HLPRTN	19513	0.22	0.69	0.0	16.0
R6HLPRTN	18107	0.22	0.63	0.0	8.0
R7HLPRTN	20050	0.21	0.63	0.0	7.0
R8HLPRTN	18407	0.23	0.65	0.0	9.0
R9HLPRTN	17163	0.23	0.66	0.0	9.0
R10HLPRTN	21973	0.26	0.75	0.0	7.0
R11HLPRTN	20493	0.26	0.74	0.0	8.0
R12HLPRTN	18668	0.28	0.77	0.0	9.0
R13HLPRTN	20816	0.25	0.74	0.0	8.0
R14HLPRTN	17087	0.24	0.70	0.0	7.0
R15HLPRTN	15654	0.22	0.67	0.0	9.0
R16HLPRTN	15723	0.24	0.71	0.0	8.0
S3HLPRTN	11914	0.04	0.35	0.0	7.0
S4HLPRTN	13966	0.10	0.55	0.0	11.0
S5HLPRTN	12711	0.15	0.51	0.0	7.0
S6HLPRTN	11622	0.15	0.51	0.0	7.0
S7HLPRTN	12950	0.15	0.51	0.0	7.0
S8HLPRTN	11714	0.16	0.54	0.0	9.0
S9HLPRTN	10632	0.15	0.51	0.0	6.0
S10HLPRTN	13502	0.19	0.61	0.0	7.0
S11HLPRTN	12470	0.19	0.62	0.0	8.0
S12HLPRTN	10991	0.21	0.66	0.0	7.0
S13HLPRTN	11750	0.19	0.63	0.0	8.0
S14HLPRTN	9339	0.19	0.60	0.0	6.0
S15HLPRTN	8460	0.17	0.57	0.0	9.0
S16HLPRTN	7829	0.18	0.59	0.0	7.0
R3INHPTN	17991	0.05	0.40	0.0	9.0
R4INHPTN	21384	0.21	0.80	0.0	14.0
R5INHPTN	19578	0.26	0.82	0.0	16.0

R6INHPTN	18165	0.24	0.67	0.0	8.0
R7INHPTN	20129	0.23	0.68	0.0	7.0
R8INHPTN	18469	0.25	0.71	0.0	9.0
R9INHPTN	17217	0.25	0.72	0.0	9.0
R10INHPTN	22034	0.29	0.81	0.0	9.0
R11INHPTN	20554	0.28	0.79	0.0	8.0
R12INHPTN	18747	0.31	0.85	0.0	9.0
R13INHPTN	20912	0.28	0.80	0.0	11.0
R14INHPTN	17146	0.26	0.75	0.0	7.0
R15INHPTN	15723	0.24	0.73	0.0	9.0
R16INHPTN	15787	0.27	0.77	0.0	8.0
S3INHPTN	11917	0.04	0.34	0.0	8.0
S4INHPTN	13980	0.09	0.54	0.0	12.0
S5INHPTN	12730	0.17	0.61	0.0	12.0
S6INHPTN	11639	0.16	0.54	0.0	7.0
S7INHPTN	12972	0.16	0.55	0.0	7.0
S8INHPTN	11735	0.17	0.57	0.0	9.0
S9INHPTN	10646	0.16	0.55	0.0	7.0
S10INHPTN	13513	0.21	0.65	0.0	7.0
S11INHPTN	12484	0.21	0.65	0.0	8.0
S12INHPTN	11012	0.23	0.71	0.0	7.0
S13INHPTN	11779	0.21	0.68	0.0	8.0
S14INHPTN	9358	0.20	0.64	0.0	7.0
S15INHPTN	8477	0.18	0.60	0.0	9.0
S16INHPTN	7840	0.20	0.64	0.0	7.0
R3INHPE	17991	0.00	0.02	0.0	1.0
R4INHPE	21384	0.01	0.10	0.0	1.0
R5INHPE	19578	0.01	0.12	0.0	1.0
R6INHPE	18165	0.02	0.15	0.0	1.0
R7INHPE	20129	0.02	0.14	0.0	1.0
R8INHPE	18469	0.02	0.14	0.0	1.0
R9INHPE	17217	0.02	0.14	0.0	1.0
R10INHPE	22034	0.02	0.13	0.0	1.0
R11INHPE	20554	0.02	0.14	0.0	1.0
R12INHPE	18747	0.02	0.13	0.0	1.0
R13INHPE	20912	0.02	0.12	0.0	1.0
R14INHPE	17146	0.01	0.11	0.0	1.0
R15INHPE	15723	0.01	0.10	0.0	1.0
R16INHPE	15787	0.01	0.10	0.0	1.0
S3INHPE	11917	0.00	0.02	0.0	1.0
S4INHPE	13980	0.00	0.04	0.0	1.0
S5INHPE	12730	0.00	0.07	0.0	1.0
S6INHPE	11639	0.01	0.08	0.0	1.0
S7INHPE	12972	0.01	0.07	0.0	1.0
S8INHPE	11735	0.01	0.08	0.0	1.0
S9INHPE	10646	0.01	0.08	0.0	1.0
S10INHPE	13513	0.01	0.09	0.0	1.0
S11INHPE	12484	0.01	0.08	0.0	1.0
S12INHPE	11012	0.01	0.07	0.0	1.0
S13INHPE	11779	0.01	0.07	0.0	1.0
S14INHPE	9358	0.00	0.07	0.0	1.0
S15INHPE	8477	0.00	0.06	0.0	1.0
S16INHPE	7840	0.00	0.06	0.0	1.0

Categorical Variable Codes

RwINHPE: Any employee of institution ever helped

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No			17982	21172	19292	17771	19741	18096	16855	21649
1.Yes			9	212	286	394	388	373	362	385

Value	w11	w12	w13	w14	w15	w16
0.No	20166	18408	20592	16934	15560	15611
1.Yes	388	339	320	212	163	176

SwINHPE: Any employee of institution ever helped

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			417	536	311	220	380	317	365	724
0.No			11913	13961	12669	11568	12906	11659	10583	13414
1.Yes			4	19	61	71	66	76	63	99

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	12410	10950	11713	9318	8446	7808
1.Yes	74	62	66	40	31	32

How Constructed

RwHLPRTN is the Respondent's total number of helpers who helped last month. RwINHPTN is the total number of helpers who ever helped. These totals do not include employees of institutions as a result of the survey design as described below. RwINHPE indicates whether any employee of an institution ever helped. The number of employees of an institution cannot be accurately counted due to the nature of institutional care. SwHLPRTN, SwINHPTN, and SwINHPE provide this information for the Respondent's spouse or partner.

Respondents are asked whether they had any difficulty with several ADLs, IADLs and with managing their finances. If the Respondent indicated they had any difficulty with an ADL, the Respondent is asked if anyone ever helped them with that ADL. At the end of the ADL survey section, the Respondent is asked who helped with ADLs if any help was indicated. In the same manner, the Respondent is also asked who helped with IADLs and who helped with managing their finances. These three lists of helpers are compiled into a helper list and the Respondent is asked about the details of the help each helper provided individually in a separate survey section. A helper may be a spouse, child, child's spouse, grandchild, other relative, other individual, professional, member of an organization, or an employee of an institution. If a helper is an employee of an institution, they are added to the helper list, but the Respondent is not asked about this helper in the helper survey section.

The SwHLPRTN, SwINHPTN, and SwINHPE variables are taken from the Wave "w" spouse's self-reported RwHLPRTN, RwINHPTN, and RwINHPE variables.

Cross Wave Differences in Original HRS Data

Helper variables are available in all waves except Wave 1 and Wave 2.

In Wave 5, the spouse of the helper is automatically added to the helper list if the helper is listed as married in the household member and child preload file. Helpers listed as employees of an institution are not added to the helper list.

HRS Variables Used

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AHEAD 1995:
    D10             HHMEM REL TO IDFM
    D1961           E83.WHO HELP-11
    D1967           E83A.TYPE HELPER-1
    D1975           E84.WHO HELP-2
    D1976           E84A.TYPE HELPER-2
    D1984           E85.WHO HELP-3
    D1985           E85A.TYPE HELPER-3
    D1988           E86.WHO HELP-4
    D1989           E86A.TYPE HELPER-4
    D1992           E87.WHO HELP-5
    D1993           E87A.TYPE HELPER-5
    D1996           E88.WHO HELP-6
    D1997           E88A.TYPE HELPER-6
    D2000           E89.WHO HELP-7
    D2001           E89A.TYPE HELPER-7
    D2041           E99.IADLS-WHO HELP,1
    D2042           E99A.TYPE IADL HELPER-1
    D2050           E100.IADLS-WHO HELP,2
    D2051           E100A.TYPE IADL HELPER-2
    D2055           E101.IADLS-WHO HELP,3
    D2056           E101A.TYPE IADL HELPER-3
    D2061           E102.IADLS-WHO HELP,4
    D2062           E102A.TYPE IADL HELPER-4
    D2067           E103.IADLS-WHO HELP,5
    D2068           E103A.TYPE IADL HELPER-5
    D2073           E104.IADLS-WHO HELP,6
    D2074           E104A.TYPE IADL HELPER-6
    D2107           E107. MONEY HELP-1
    D2108           E107A.TYPE MONEY HELPER-1
    D2121           E108. MONEY HELPER-2
    D2122           E108A.TYPE MONEY HELPER-2
    D2135A          HELPER RELATIONSHIP COMBINED SOURCE
    D2140           E160.HELPER OFTEN
    D6              HHMEM STATUS W2
HRS 1996:
    E10             HHMEM REL TO FAMILY R
    E1976           E83.WHO HELP-11
    E1982           E83A.TYPE HELPER-1
    E1990           E84.WHO HELP-2
    E1991           E84A.TYPE HELPER-2
    E1999           E85.WHO HELP-3
    E2000           E85A.TYPE HELPER-3
    E2003           E86.WHO HELP-4
    E2004           E86A.TYPE HELPER-4
    E2007           E87.WHO HELP-5
    E2008           E87A.TYPE HELPER-5
    E2011           E88.WHO HELP-6
    E2012           E88A.TYPE HELPER-6
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	E2015	E89.WHO HELP-7
	E2016	E89A.TYPE HELPER-7
	E2056	E99.IADLS-WHO HELP,1
	E2057	E99A.TYPE IADL HELPER-1
	E2065	E100.IADLS-WHO HELP,2
	E2066	E100A.TYPE IADL HELPER-2
	E2070	E101.IADLS-WHO HELP,3
	E2071	E101A.TYPE IADL HELPER-3
	E2076	E102.IADLS-WHO HELP,4
	E2077	E102A.TYPE IADL HELPER-4
	E2082	E103.IADLS-WHO HELP,5
	E2083	E103A.TYPE IADL HELPER-5
	E2088	E104.IADLS-WHO HELP,6
	E2089	E104A.TYPE IADL HELPER-6
	E2101	E107. MONEY HELP-1
	E2102	E107A.TYPE MONEY HELPER-1
	E2109	E108. MONEY HELPER-2
	E2110	E108A.TYPE MONEY HELPER-2
	E2120A	HELPER RELATIONSHIP COMBINED SOURCE
	E2123	E158-1. HELPER OFTEN
	E6	UPDATED HHMEM STATUS
HRS 1998:		
	F11	HHMEM REL TO IDFM - UPDATED
	F2502	E83.WHO HELP-11
	F2508	E83A.TYPE HELPER-1
	F2516	E84.WHO HELP-2
	F2517	E84A.TYPE HELPER-2
	F2525	E85.WHO HELP-3
	F2526	E85A.TYPE HELPER-3
	F2529	E86.WHO HELP-4
	F2530	E86A.TYPE HELPER-4
	F2533	E87.WHO HELP-5
	F2534	E87A.TYPE HELPER-5
	F2537	E88.WHO HELP-6
	F2538	E88A.TYPE HELPER-6
	F2541	E89.WHO HELP-7
	F2542	E89A.TYPE HELPER-7
	F2582	E99.IADLS-WHO HELP,1
	F2583	E99A.TYPE IADL HELPER-1
	F2591	E100.IADLS-WHO HELP,2
	F2592	E100A.TYPE IADL HELPER-2
	F2596	E101.IADLS-WHO HELP,3
	F2597	E101A.TYPE IADL HELPER-3
	F2602	E102.IADLS-WHO HELP,4
	F2603	E102A.TYPE IADL HELPER-4
	F2608	E103.IADLS-WHO HELP,5
	F2609	E103A.TYPE IADL HELPER-5
	F2614	E104.IADLS-WHO HELP,6
	F2615	E104A.TYPE IADL HELPER-6
	F2621	E107. MONEY HELP-1
	F2622	E107A.TYPE MONEY HELPER-1
	F2625	E108. MONEY HELPER-2
	F2626	E108A.TYPE MONEY HELPER-2
	F2639A	HELPER RELATIONSHIP COMBINED SOURCE
	F2642	E158-1. HELPER OFTEN
	F7	HHMEM STATUS
HRS 2000:		
	G11	HHMEM REL TO IDFM - UPDATED
	G2800	E83.WHO HELP-11

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    G2806           E83A.TYPE HELPER-1
    G2814           E84.WHO HELP-2
    G2815           E84A.TYPE HELPER-2
    G2823           E85.WHO HELP-3
    G2824           E85A.TYPE HELPER-3
    G2827           E86.WHO HELP-4
    G2828           E86A.TYPE HELPER-4
    G2831           E87.WHO HELP-5
    G2832           E87A.TYPE HELPER-5
    G2835           E88.WHO HELP-6
    G2836           E88A.TYPE HELPER-6
    G2839           E89.WHO HELP-7
    G2840           E89A.TYPE HELPER-7
    G2880           E99.IADLS-WHO HELP-1
    G2881           E99A.TYPE IADL HELPER-1
    G2889           E100.IADLS-WHO HELP-2
    G2890           E100A.TYPE IADL HELPER-2
    G2894           E101.IADLS-WHO HELP-3
    G2895           E101A.TYPE IADL HELPER-3
    G2900           E102.IADLS-WHO HELP-4
    G2901           E102A.TYPE IADL HELPER-4
    G2906           E103.IADLS-WHO HELP-5
    G2907           E103A.TYPE IADL HELPER-5
    G2912           E104.IADLS-WHO HELP-6
    G2913           E104A.TYPE IADL HELPER-6
    G2919           E107. MONEY HELP-1
    G2920           E107A.TYPE MONEY HELPER-1
    G2923           E108. MONEY HELPER-2
    G2924           E108A.TYPE MONEY HELPER-2
    G2947A          HELPER RELATIONSHIP COMBINED SOURCE
    G2950           E158-1.  HELPER OFTEN
    G2976           E158-2. HELPER OFTEN
    G7              HHMEM STATUS - UPDATED
HRS 2002-2022:
    xG069           HELPER RELATIONSHIP
    xG070           FREQ OF HELP GIVEN- DAYS IN LAST MONTH
    xG071           FREQ OF HELP GIVEN- DAYS PER WEEK
    xG072           DID HELPER HELP EVERY DY
    xG073           #HRS OF HELP
    xG076           HELPER PAID TO HELP
    xG078           AMOUNT R/SP/P PAID HELPER
    xG079           AMOUNT R/SP/P PAID HELPER- PER
    xG080            AMT R/SP/P PAID HELPER- LESS/MORE $100
    xX056_MC        RESIDENCY STATUS-UPDATED
    xX061_MC        RELATIONSHIP TO R-UPDATED
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ADLs, IADLs, and Finances: Number of Paid and Unpaid Helpers

Wave	Variable	Label	Type
3	R3HLPRPN	R3HLPRPN:W3 Number of paid helpers who helped last month	Categ
4	R4HLPRPN	R4HLPRPN:W4 Number of paid helpers who helped last month	Categ
5	R5HLPRPN	R5HLPRPN:W5 Number of paid helpers who helped last month	Categ
6	R6HLPRPN	R6HLPRPN:W6 Number of paid helpers who helped last month	Categ
7	R7HLPRPN	R7HLPRPN:W7 Number of paid helpers who helped last month	Categ
8	R8HLPRPN	R8HLPRPN:W8 Number of paid helpers who helped last month	Categ
9	R9HLPRPN	R9HLPRPN:W9 Number of paid helpers who helped last month	Categ
10	R10HLPRPN	R10HLPRPN:W10 Number of paid helpers who helped last month	Categ
11	R11HLPRPN	R11HLPRPN:W11 Number of paid helpers who helped last month	Categ
12	R12HLPRPN	R12HLPRPN:W12 Number of paid helpers who helped last month	Categ
13	R13HLPRPN	R13HLPRPN:W13 Number of paid helpers who helped last month	Categ
14	R14HLPRPN	R14HLPRPN:W14 Number of paid helpers who helped last month	Categ
15	R15HLPRPN	R15HLPRPN:W15 Number of paid helpers who helped last month	Categ
16	R16HLPRPN	R16HLPRPN:W16 Number of paid helpers who helped last month	Categ
3	S3HLPRPN	S3HLPRPN:W3 Number of paid helpers who helped last month	Categ
4	S4HLPRPN	S4HLPRPN:W4 Number of paid helpers who helped last month	Categ
5	S5HLPRPN	S5HLPRPN:W5 Number of paid helpers who helped last month	Categ
6	S6HLPRPN	S6HLPRPN:W6 Number of paid helpers who helped last month	Categ
7	S7HLPRPN	S7HLPRPN:W7 Number of paid helpers who helped last month	Categ
8	S8HLPRPN	S8HLPRPN:W8 Number of paid helpers who helped last month	Categ
9	S9HLPRPN	S9HLPRPN:W9 Number of paid helpers who helped last month	Categ
10	S10HLPRPN	S10HLPRPN:W10 Number of paid helpers who helped last month	Categ
11	S11HLPRPN	S11HLPRPN:W11 Number of paid helpers who helped last month	Categ
12	S12HLPRPN	S12HLPRPN:W12 Number of paid helpers who helped last month	Categ
13	S13HLPRPN	S13HLPRPN:W13 Number of paid helpers who helped last month	Categ
14	S14HLPRPN	S14HLPRPN:W14 Number of paid helpers who helped last month	Categ
15	S15HLPRPN	S15HLPRPN:W15 Number of paid helpers who helped last month	Categ
16	S16HLPRPN	S16HLPRPN:W16 Number of paid helpers who helped last month	Categ
3	R3INHPPN	R3INHPPN:W3 Number of paid helpers ever helped	Categ
4	R4INHPPN	R4INHPPN:W4 Number of paid helpers ever helped	Categ
5	R5INHPPN	R5INHPPN:W5 Number of paid helpers ever helped	Categ
6	R6INHPPN	R6INHPPN:W6 Number of paid helpers ever helped	Categ
7	R7INHPPN	R7INHPPN:W7 Number of paid helpers ever helped	Categ
8	R8INHPPN	R8INHPPN:W8 Number of paid helpers ever helped	Categ
9	R9INHPPN	R9INHPPN:W9 Number of paid helpers ever helped	Categ
10	R10INHPPN	R10INHPPN:W10 Number of paid helpers ever helped	Categ
11	R11INHPPN	R11INHPPN:W11 Number of paid helpers ever helped	Categ
12	R12INHPPN	R12INHPPN:W12 Number of paid helpers ever helped	Categ
13	R13INHPPN	R13INHPPN:W13 Number of paid helpers ever helped	Categ
14	R14INHPPN	R14INHPPN:W14 Number of paid helpers ever helped	Categ
15	R15INHPPN	R15INHPPN:W15 Number of paid helpers ever helped	Categ
16	R16INHPPN	R16INHPPN:W16 Number of paid helpers ever helped	Categ
3	S3INHPPN	S3INHPPN:W3 Number of paid helpers ever helped	Categ
4	S4INHPPN	S4INHPPN:W4 Number of paid helpers ever helped	Categ
5	S5INHPPN	S5INHPPN:W5 Number of paid helpers ever helped	Categ
6	S6INHPPN	S6INHPPN:W6 Number of paid helpers ever helped	Categ
7	S7INHPPN	S7INHPPN:W7 Number of paid helpers ever helped	Categ
8	S8INHPPN	S8INHPPN:W8 Number of paid helpers ever helped	Categ
9	S9INHPPN	S9INHPPN:W9 Number of paid helpers ever helped	Categ
10	S10INHPPN	S10INHPPN:W10 Number of paid helpers ever helped	Categ
11	S11INHPPN	S11INHPPN:W11 Number of paid helpers ever helped	Categ
12	S12INHPPN	S12INHPPN:W12 Number of paid helpers ever helped	Categ
13	S13INHPPN	S13INHPPN:W13 Number of paid helpers ever helped	Categ
14	S14INHPPN	S14INHPPN:W14 Number of paid helpers ever helped	Categ
15	S15INHPPN	S15INHPPN:W15 Number of paid helpers ever helped	Categ
16	S16INHPPN	S16INHPPN:W16 Number of paid helpers ever helped	Categ
3	R3HLPRUN	R3HLPRUN:W3 Number of unpaid helpers who helped last month	Categ
4	R4HLPRUN	R4HLPRUN:W4 Number of unpaid helpers who helped last month	Categ
5	R5HLPRUN	R5HLPRUN:W5 Number of unpaid helpers who helped last month	Categ
6	R6HLPRUN	R6HLPRUN:W6 Number of unpaid helpers who helped last month	Categ
7	R7HLPRUN	R7HLPRUN:W7 Number of unpaid helpers who helped last month	Categ
8	R8HLPRUN	R8HLPRUN:W8 Number of unpaid helpers who helped last month	Categ

9	R9HLPRUN	R9HLPRUN:W9 Number of unpaid helpers who helped last month	Categ
10	R10HLPRUN	R10HLPRUN:W10 Number of unpaid helpers who helped last month	Categ
11	R11HLPRUN	R11HLPRUN:W11 Number of unpaid helpers who helped last month	Categ
12	R12HLPRUN	R12HLPRUN:W12 Number of unpaid helpers who helped last month	Categ
13	R13HLPRUN	R13HLPRUN:W13 Number of unpaid helpers who helped last month	Categ
14	R14HLPRUN	R14HLPRUN:W14 Number of unpaid helpers who helped last month	Categ
15	R15HLPRUN	R15HLPRUN:W15 Number of unpaid helpers who helped last month	Categ
16	R16HLPRUN	R16HLPRUN:W16 Number of unpaid helpers who helped last month	Categ
3	S3HLPRUN	S3HLPRUN:W3 Number of unpaid helpers who helped last month	Categ
4	S4HLPRUN	S4HLPRUN:W4 Number of unpaid helpers who helped last month	Categ
5	S5HLPRUN	S5HLPRUN:W5 Number of unpaid helpers who helped last month	Categ
6	S6HLPRUN	S6HLPRUN:W6 Number of unpaid helpers who helped last month	Categ
7	S7HLPRUN	S7HLPRUN:W7 Number of unpaid helpers who helped last month	Categ
8	S8HLPRUN	S8HLPRUN:W8 Number of unpaid helpers who helped last month	Categ
9	S9HLPRUN	S9HLPRUN:W9 Number of unpaid helpers who helped last month	Categ
10	S10HLPRUN	S10HLPRUN:W10 Number of unpaid helpers who helped last month	Categ
11	S11HLPRUN	S11HLPRUN:W11 Number of unpaid helpers who helped last month	Categ
12	S12HLPRUN	S12HLPRUN:W12 Number of unpaid helpers who helped last month	Categ
13	S13HLPRUN	S13HLPRUN:W13 Number of unpaid helpers who helped last month	Categ
14	S14HLPRUN	S14HLPRUN:W14 Number of unpaid helpers who helped last month	Categ
15	S15HLPRUN	S15HLPRUN:W15 Number of unpaid helpers who helped last month	Categ
16	S16HLPRUN	S16HLPRUN:W16 Number of unpaid helpers who helped last month	Categ
3	R3INHPUN	R3INHPUN:W3 Number of unpaid helpers ever helped	Categ
4	R4INHPUN	R4INHPUN:W4 Number of unpaid helpers ever helped	Categ
5	R5INHPUN	R5INHPUN:W5 Number of unpaid helpers ever helped	Categ
6	R6INHPUN	R6INHPUN:W6 Number of unpaid helpers ever helped	Categ
7	R7INHPUN	R7INHPUN:W7 Number of unpaid helpers ever helped	Categ
8	R8INHPUN	R8INHPUN:W8 Number of unpaid helpers ever helped	Categ
9	R9INHPUN	R9INHPUN:W9 Number of unpaid helpers ever helped	Categ
10	R10INHPUN	R10INHPUN:W10 Number of unpaid helpers ever helped	Categ
11	R11INHPUN	R11INHPUN:W11 Number of unpaid helpers ever helped	Categ
12	R12INHPUN	R12INHPUN:W12 Number of unpaid helpers ever helped	Categ
13	R13INHPUN	R13INHPUN:W13 Number of unpaid helpers ever helped	Categ
14	R14INHPUN	R14INHPUN:W14 Number of unpaid helpers ever helped	Categ
15	R15INHPUN	R15INHPUN:W15 Number of unpaid helpers ever helped	Categ
16	R16INHPUN	R16INHPUN:W16 Number of unpaid helpers ever helped	Categ
3	S3INHPUN	S3INHPUN:W3 Number of unpaid helpers ever helped	Categ
4	S4INHPUN	S4INHPUN:W4 Number of unpaid helpers ever helped	Categ
5	S5INHPUN	S5INHPUN:W5 Number of unpaid helpers ever helped	Categ
6	S6INHPUN	S6INHPUN:W6 Number of unpaid helpers ever helped	Categ
7	S7INHPUN	S7INHPUN:W7 Number of unpaid helpers ever helped	Categ
8	S8INHPUN	S8INHPUN:W8 Number of unpaid helpers ever helped	Categ
9	S9INHPUN	S9INHPUN:W9 Number of unpaid helpers ever helped	Categ
10	S10INHPUN	S10INHPUN:W10 Number of unpaid helpers ever helped	Categ
11	S11INHPUN	S11INHPUN:W11 Number of unpaid helpers ever helped	Categ
12	S12INHPUN	S12INHPUN:W12 Number of unpaid helpers ever helped	Categ
13	S13INHPUN	S13INHPUN:W13 Number of unpaid helpers ever helped	Categ
14	S14INHPUN	S14INHPUN:W14 Number of unpaid helpers ever helped	Categ
15	S15INHPUN	S15INHPUN:W15 Number of unpaid helpers ever helped	Categ
16	S16INHPUN	S16INHPUN:W16 Number of unpaid helpers ever helped	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3HLPRPN	17991	0.00	0.08	0.0	3.0
R4HLPRPN	21378	0.03	0.20	0.0	4.0
R5HLPRPN	19574	0.03	0.18	0.0	4.0
R6HLPRPN	18162	0.03	0.19	0.0	3.0
R7HLPRPN	20126	0.03	0.19	0.0	4.0
R8HLPRPN	18461	0.03	0.20	0.0	4.0
R9HLPRPN	17212	0.03	0.21	0.0	7.0
R10HLPRPN	22028	0.04	0.23	0.0	5.0

R11HLPRPN	20549	0.04	0.24	0.0	5.0
R12HLPRPN	18739	0.04	0.25	0.0	5.0
R13HLPRPN	20897	0.04	0.24	0.0	5.0
R14HLPRPN	17139	0.04	0.23	0.0	6.0
R15HLPRPN	15716	0.03	0.22	0.0	5.0
R16HLPRPN	15785	0.04	0.22	0.0	4.0
S3HLPRPN	11917	0.00	0.06	0.0	3.0
S4HLPRPN	13979	0.01	0.13	0.0	3.0
S5HLPRPN	12730	0.01	0.11	0.0	4.0
S6HLPRPN	11639	0.01	0.13	0.0	3.0
S7HLPRPN	12972	0.01	0.13	0.0	4.0
S8HLPRPN	11733	0.01	0.13	0.0	4.0
S9HLPRPN	10645	0.01	0.12	0.0	3.0
S10HLPRPN	13512	0.01	0.15	0.0	5.0
S11HLPRPN	12483	0.02	0.15	0.0	4.0
S12HLPRPN	11012	0.02	0.17	0.0	5.0
S13HLPRPN	11775	0.02	0.17	0.0	5.0
S14HLPRPN	9357	0.02	0.18	0.0	6.0
S15HLPRPN	8477	0.02	0.16	0.0	5.0
S16HLPRPN	7840	0.02	0.15	0.0	2.0
R3INHPPN	17991	0.00	0.08	0.0	3.0
R4INHPPN	21384	0.03	0.20	0.0	4.0
R5INHPPN	19578	0.03	0.18	0.0	4.0
R6INHPPN	18165	0.03	0.19	0.0	3.0
R7INHPPN	20129	0.03	0.19	0.0	4.0
R8INHPPN	18469	0.03	0.20	0.0	4.0
R9INHPPN	17217	0.03	0.22	0.0	7.0
R10INHPPN	22034	0.04	0.23	0.0	5.0
R11INHPPN	20554	0.04	0.24	0.0	5.0
R12INHPPN	18747	0.04	0.25	0.0	5.0
R13INHPPN	20912	0.04	0.24	0.0	5.0
R14INHPPN	17146	0.04	0.24	0.0	6.0
R15INHPPN	15723	0.03	0.22	0.0	5.0
R16INHPPN	15787	0.04	0.22	0.0	4.0
S3INHPPN	11917	0.00	0.06	0.0	3.0
S4INHPPN	13980	0.01	0.13	0.0	3.0
S5INHPPN	12730	0.01	0.11	0.0	4.0
S6INHPPN	11639	0.01	0.13	0.0	3.0
S7INHPPN	12972	0.01	0.13	0.0	4.0
S8INHPPN	11735	0.01	0.13	0.0	4.0
S9INHPPN	10646	0.01	0.12	0.0	3.0
S10INHPPN	13513	0.01	0.15	0.0	5.0
S11INHPPN	12484	0.02	0.15	0.0	4.0
S12INHPPN	11012	0.02	0.17	0.0	5.0
S13INHPPN	11779	0.02	0.17	0.0	5.0
S14INHPPN	9358	0.02	0.18	0.0	6.0
S15INHPPN	8477	0.02	0.16	0.0	5.0
S16INHPPN	7840	0.02	0.15	0.0	2.0
R3HLPRUN	17986	0.05	0.34	0.0	7.0
R4HLPRUN	21338	0.16	0.63	0.0	11.0
R5HLPRUN	19522	0.20	0.63	0.0	16.0
R6HLPRUN	18113	0.19	0.56	0.0	8.0
R7HLPRUN	20067	0.18	0.56	0.0	7.0
R8HLPRUN	18420	0.20	0.58	0.0	9.0
R9HLPRUN	17171	0.19	0.58	0.0	8.0

R10HLPRUN	21988	0.23	0.66	0.0	7.0
R11HLPRUN	20503	0.22	0.64	0.0	8.0
R12HLPRUN	18687	0.24	0.68	0.0	8.0
R13HLPRUN	20842	0.22	0.65	0.0	7.0
R14HLPRUN	17100	0.20	0.61	0.0	7.0
R15HLPRUN	15686	0.19	0.59	0.0	9.0
R16HLPRUN	15778	0.21	0.63	0.0	8.0
S3HLPRUN	11917	0.04	0.33	0.0	7.0
S4HLPRUN	13970	0.08	0.49	0.0	11.0
S5HLPRUN	12711	0.14	0.48	0.0	7.0
S6HLPRUN	11622	0.14	0.46	0.0	7.0
S7HLPRUN	12953	0.14	0.47	0.0	6.0
S8HLPRUN	11719	0.15	0.50	0.0	9.0
S9HLPRUN	10633	0.14	0.47	0.0	6.0
S10HLPRUN	13503	0.18	0.56	0.0	7.0
S11HLPRUN	12473	0.18	0.56	0.0	8.0
S12HLPRUN	10993	0.20	0.60	0.0	7.0
S13HLPRUN	11757	0.18	0.57	0.0	7.0
S14HLPRUN	9339	0.17	0.53	0.0	6.0
S15HLPRUN	8464	0.15	0.52	0.0	9.0
S16HLPRUN	7840	0.17	0.55	0.0	7.0
R3INHPUN	17991	0.04	0.30	0.0	7.0
R4INHPUN	21384	0.15	0.60	0.0	12.0
R5INHPUN	19578	0.20	0.64	0.0	16.0
R6INHPUN	18165	0.19	0.56	0.0	8.0
R7INHPUN	20129	0.19	0.57	0.0	7.0
R8INHPUN	18469	0.20	0.59	0.0	9.0
R9INHPUN	17217	0.20	0.59	0.0	8.0
R10INHPUN	22034	0.23	0.67	0.0	7.0
R11INHPUN	20554	0.23	0.65	0.0	8.0
R12INHPUN	18747	0.25	0.69	0.0	8.0
R13INHPUN	20912	0.22	0.66	0.0	8.0
R14INHPUN	17146	0.21	0.61	0.0	7.0
R15INHPUN	15723	0.19	0.60	0.0	9.0
R16INHPUN	15787	0.21	0.64	0.0	8.0
S3INHPUN	11917	0.03	0.24	0.0	7.0
S4INHPUN	13980	0.06	0.42	0.0	12.0
S5INHPUN	12730	0.14	0.48	0.0	7.0
S6INHPUN	11639	0.14	0.47	0.0	7.0
S7INHPUN	12972	0.14	0.47	0.0	6.0
S8INHPUN	11735	0.15	0.50	0.0	9.0
S9INHPUN	10646	0.14	0.48	0.0	7.0
S10INHPUN	13513	0.18	0.56	0.0	7.0
S11INHPUN	12484	0.18	0.56	0.0	8.0
S12INHPUN	11012	0.20	0.60	0.0	7.0
S13INHPUN	11779	0.18	0.58	0.0	8.0
S14INHPUN	9358	0.17	0.54	0.0	6.0
S15INHPUN	8477	0.15	0.53	0.0	9.0
S16INHPUN	7840	0.17	0.55	0.0	7.0

How Constructed

RwHLPRPN is the Respondent's number of paid helpers who helped last month. RwINHPPN is the number of paid helpers who ever helped. RwHLPRUN is the Respondent's number of unpaid helpers who helped last month. RwINHPUN is the number of unpaid helpers who ever helped. These totals do not include employees of institutions as a result of the survey design as described below. SwHLPRPN, SwINHPPN, SwHLPRUN, and SwINHPUN provide this information for the Respondent's spouse or partner.

Respondents are asked whether they had any difficulty with several ADLs, IADLs and with managing their finances. If the Respondent indicated they had any difficulty with an ADL, the Respondent is asked if anyone ever helped them with that ADL. At the end of the ADL survey section, the Respondent is asked who helped with ADLs if any help was indicated. In the same manner, the Respondent is also asked who helped with IADLs and who helped with managing their finances. These three lists of helpers are compiled into a helper list and the Respondent is asked about the details of the help each helper provided individually in a separate survey section. A helper may be a spouse, child, child's spouse, grandchild, other relative, other individual, professional, member of an organization, or an employee of an institution. If a helper is an employee of an institution, they are added to the helper list, but the Respondent is not asked about this helper in the helper survey section.

In the separate helper survey section, the Respondent is asked if each helper on the helper list was paid. The exceptions are employees of institution, as described above, and spouse helpers, who are assumed to be unpaid.

The SwHLPRPN, SwINHPPN, SwHLPRUN, and SwINHPUN, variables are taken from the Wave "w" spouse's self-reported RwHLPRPN, RwINHPPN, RwHLPRUN, and RwINHPUN variables.

Cross Wave Differences in Original HRS Data

Helper variables are available in all waves except Wave 1 and Wave 2.

HRS Variables Used

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AHEAD 1995:
    D10             HHMEM REL TO IDFM
    D1961           E83.WHO HELP-11
    D1967           E83A.TYPE HELPER-1
    D1975           E84.WHO HELP-2
    D1976           E84A.TYPE HELPER-2
    D1984           E85.WHO HELP-3
    D1985           E85A.TYPE HELPER-3
    D1988           E86.WHO HELP-4
    D1989           E86A.TYPE HELPER-4
    D1992           E87.WHO HELP-5
    D1993           E87A.TYPE HELPER-5
    D1996           E88.WHO HELP-6
    D1997           E88A.TYPE HELPER-6
    D2000           E89.WHO HELP-7
    D2001           E89A.TYPE HELPER-7
    D2041           E99.IADLS-WHO HELP,1
    D2042           E99A.TYPE IADL HELPER-1
    D2050           E100.IADLS-WHO HELP,2
    D2051           E100A.TYPE IADL HELPER-2
    D2055           E101.IADLS-WHO HELP,3
    D2056           E101A.TYPE IADL HELPER-3
    D2061           E102.IADLS-WHO HELP,4
    D2062           E102A.TYPE IADL HELPER-4
    D2067           E103.IADLS-WHO HELP,5
    D2068           E103A.TYPE IADL HELPER-5
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    D2073           E104.IADLS-WHO HELP,6
    D2074           E104A.TYPE IADL HELPER-6
    D2107           E107. MONEY HELP-1
    D2108           E107A.TYPE MONEY HELPER-1
    D2121           E108. MONEY HELPER-2
    D2122           E108A.TYPE MONEY HELPER-2
    D2135A          HELPER RELATIONSHIP COMBINED SOURCE
    D2140           E160.HELPER OFTEN
    D2146           E162.HELPER PAID
    D6              HHMEM STATUS W2
HRS 1996:
    E10             HHMEM REL TO FAMILY R
    E1976           E83.WHO HELP-11
    E1982           E83A.TYPE HELPER-1
    E1990           E84.WHO HELP-2
    E1991           E84A.TYPE HELPER-2
    E1999           E85.WHO HELP-3
    E2000           E85A.TYPE HELPER-3
    E2003           E86.WHO HELP-4
    E2004           E86A.TYPE HELPER-4
    E2007           E87.WHO HELP-5
    E2008           E87A.TYPE HELPER-5
    E2011           E88.WHO HELP-6
    E2012           E88A.TYPE HELPER-6
    E2015           E89.WHO HELP-7
    E2016           E89A.TYPE HELPER-7
    E2056           E99.IADLS-WHO HELP,1
    E2057           E99A.TYPE IADL HELPER-1
    E2065           E100.IADLS-WHO HELP,2
    E2066           E100A.TYPE IADL HELPER-2
    E2070           E101.IADLS-WHO HELP,3
    E2071           E101A.TYPE IADL HELPER-3
    E2076           E102.IADLS-WHO HELP,4
    E2077           E102A.TYPE IADL HELPER-4
    E2082           E103.IADLS-WHO HELP,5
    E2083           E103A.TYPE IADL HELPER-5
    E2088           E104.IADLS-WHO HELP,6
    E2089           E104A.TYPE IADL HELPER-6
    E2101           E107. MONEY HELP-1
    E2102           E107A.TYPE MONEY HELPER-1
    E2109           E108. MONEY HELPER-2
    E2110           E108A.TYPE MONEY HELPER-2
    E2120A          HELPER RELATIONSHIP COMBINED SOURCE
    E2123           E158-1. HELPER OFTEN
    E2130           E162-1. HELPER PAID
    E2149           E162-2. HELPER-SP PAID
    E6              UPDATED HHMEM STATUS
HRS 1998:
    F11             HHMEM REL TO IDFM - UPDATED
    F2502           E83.WHO HELP-11
    F2508           E83A.TYPE HELPER-1
    F2516           E84.WHO HELP-2
    F2517           E84A.TYPE HELPER-2
    F2525           E85.WHO HELP-3
    F2526           E85A.TYPE HELPER-3
    F2529           E86.WHO HELP-4
    F2530           E86A.TYPE HELPER-4
    F2533           E87.WHO HELP-5
    F2534           E87A.TYPE HELPER-5
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F2537	E88.WHO HELP-6
F2538	E88A.TYPE HELPER-6
F2541	E89.WHO HELP-7
F2542	E89A.TYPE HELPER-7
F2582	E99.IADLS-WHO HELP,1
F2583	E99A.TYPE IADL HELPER-1
F2591	E100.IADLS-WHO HELP,2
F2592	E100A.TYPE IADL HELPER-2
F2596	E101.IADLS-WHO HELP,3
F2597	E101A.TYPE IADL HELPER-3
F2602	E102.IADLS-WHO HELP,4
F2603	E102A.TYPE IADL HELPER-4
F2608	E103.IADLS-WHO HELP,5
F2609	E103A.TYPE IADL HELPER-5
F2614	E104.IADLS-WHO HELP,6
F2615	E104A.TYPE IADL HELPER-6
F2621	E107. MONEY HELP-1
F2622	E107A.TYPE MONEY HELPER-1
F2625	E108. MONEY HELPER-2
F2626	E108A.TYPE MONEY HELPER-2
F2639A	HELPER RELATIONSHIP COMBINED SOURCE
F2642	E158-1. HELPER OFTEN
F2649	E162-1. HELPER PAID
F2665	E162-2. HELPER PAID
F7	HHMEM STATUS
HRS 2000:	
G11	HHMEM REL TO IDFM - UPDATED
G2800	E83.WHO HELP-11
G2806	E83A.TYPE HELPER-1
G2814	E84.WHO HELP-2
G2815	E84A.TYPE HELPER-2
G2823	E85.WHO HELP-3
G2824	E85A.TYPE HELPER-3
G2827	E86.WHO HELP-4
G2828	E86A.TYPE HELPER-4
G2831	E87.WHO HELP-5
G2832	E87A.TYPE HELPER-5
G2835	E88.WHO HELP-6
G2836	E88A.TYPE HELPER-6
G2839	E89.WHO HELP-7
G2840	E89A.TYPE HELPER-7
G2880	E99.IADLS-WHO HELP-1
G2881	E99A.TYPE IADL HELPER-1
G2889	E100.IADLS-WHO HELP-2
G2890	E100A.TYPE IADL HELPER-2
G2894	E101.IADLS-WHO HELP-3
G2895	E101A.TYPE IADL HELPER-3
G2900	E102.IADLS-WHO HELP-4
G2901	E102A.TYPE IADL HELPER-4
G2906	E103.IADLS-WHO HELP-5
G2907	E103A.TYPE IADL HELPER-5
G2912	E104.IADLS-WHO HELP-6
G2913	E104A.TYPE IADL HELPER-6
G2919	E107. MONEY HELP-1
G2920	E107A.TYPE MONEY HELPER-1
G2923	E108. MONEY HELPER-2
G2924	E108A.TYPE MONEY HELPER-2
G2947A	HELPER RELATIONSHIP COMBINED SOURCE
G2950	E158-1. HELPER OFTEN

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    G2957           E162-1. HELPER PAID
    G2976           E158-2. HELPER OFTEN
    G2983           E162-2. HELPER PAID
    G7              HHMEM STATUS - UPDATED
HRS 2002-2022:
    xG069           HELPER RELATIONSHIP
    xG070           FREQ OF HELP GIVEN- DAYS IN LAST MONTH
    xG071           FREQ OF HELP GIVEN- DAYS PER WEEK
    xG072           DID HELPER HELP EVERY DY
    xG073           #HRS OF HELP
    xG076           HELPER PAID TO HELP
    xG078           AMOUNT R/SP/P PAID HELPER
    xG079           AMOUNT R/SP/P PAID HELPER- PER
    xG080            AMT R/SP/P PAID HELPER- LESS/MORE $100
    xX056_MC        RESIDENCY STATUS-UPDATED
    xX061_MC        RELATIONSHIP TO R-UPDATED
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ADLs, IADLs, and Finances: Number of Family and Non-Family Helpers

Wave	Variable	Label	Type
3	R3HLPRFN	R3HLPRFN:W3 Number of family helpers who helped last month	Categ
4	R4HLPRFN	R4HLPRFN:W4 Number of family helpers who helped last month	Categ
5	R5HLPRFN	R5HLPRFN:W5 Number of family helpers who helped last month	Categ
6	R6HLPRFN	R6HLPRFN:W6 Number of family helpers who helped last month	Categ
7	R7HLPRFN	R7HLPRFN:W7 Number of family helpers who helped last month	Categ
8	R8HLPRFN	R8HLPRFN:W8 Number of family helpers who helped last month	Categ
9	R9HLPRFN	R9HLPRFN:W9 Number of family helpers who helped last month	Categ
10	R10HLPRFN	R10HLPRFN:W10 Number of family helpers who helped last month	Categ
11	R11HLPRFN	R11HLPRFN:W11 Number of family helpers who helped last month	Categ
12	R12HLPRFN	R12HLPRFN:W12 Number of family helpers who helped last month	Categ
13	R13HLPRFN	R13HLPRFN:W13 Number of family helpers who helped last month	Categ
14	R14HLPRFN	R14HLPRFN:W14 Number of family helpers who helped last month	Categ
15	R15HLPRFN	R15HLPRFN:W15 Number of family helpers who helped last month	Categ
16	R16HLPRFN	R16HLPRFN:W16 Number of family helpers who helped last month	Categ
3	S3HLPRFN	S3HLPRFN:W3 Number of family helpers who helped last month	Categ
4	S4HLPRFN	S4HLPRFN:W4 Number of family helpers who helped last month	Categ
5	S5HLPRFN	S5HLPRFN:W5 Number of family helpers who helped last month	Categ
6	S6HLPRFN	S6HLPRFN:W6 Number of family helpers who helped last month	Categ
7	S7HLPRFN	S7HLPRFN:W7 Number of family helpers who helped last month	Categ
8	S8HLPRFN	S8HLPRFN:W8 Number of family helpers who helped last month	Categ
9	S9HLPRFN	S9HLPRFN:W9 Number of family helpers who helped last month	Categ
10	S10HLPRFN	S10HLPRFN:W10 Number of family helpers who helped last month	Categ
11	S11HLPRFN	S11HLPRFN:W11 Number of family helpers who helped last month	Categ
12	S12HLPRFN	S12HLPRFN:W12 Number of family helpers who helped last month	Categ
13	S13HLPRFN	S13HLPRFN:W13 Number of family helpers who helped last month	Categ
14	S14HLPRFN	S14HLPRFN:W14 Number of family helpers who helped last month	Categ
15	S15HLPRFN	S15HLPRFN:W15 Number of family helpers who helped last month	Categ
16	S16HLPRFN	S16HLPRFN:W16 Number of family helpers who helped last month	Categ
3	R3INHPFN	R3INHPFN:W3 Number of family helpers ever helped	Categ
4	R4INHPFN	R4INHPFN:W4 Number of family helpers ever helped	Categ
5	R5INHPFN	R5INHPFN:W5 Number of family helpers ever helped	Categ
6	R6INHPFN	R6INHPFN:W6 Number of family helpers ever helped	Categ
7	R7INHPFN	R7INHPFN:W7 Number of family helpers ever helped	Categ
8	R8INHPFN	R8INHPFN:W8 Number of family helpers ever helped	Categ
9	R9INHPFN	R9INHPFN:W9 Number of family helpers ever helped	Categ
10	R10INHPFN	R10INHPFN:W10 Number of family helpers ever helped	Categ
11	R11INHPFN	R11INHPFN:W11 Number of family helpers ever helped	Categ
12	R12INHPFN	R12INHPFN:W12 Number of family helpers ever helped	Categ
13	R13INHPFN	R13INHPFN:W13 Number of family helpers ever helped	Categ
14	R14INHPFN	R14INHPFN:W14 Number of family helpers ever helped	Categ
15	R15INHPFN	R15INHPFN:W15 Number of family helpers ever helped	Categ
16	R16INHPFN	R16INHPFN:W16 Number of family helpers ever helped	Categ
3	S3INHPFN	S3INHPFN:W3 Number of family helpers ever helped	Categ
4	S4INHPFN	S4INHPFN:W4 Number of family helpers ever helped	Categ
5	S5INHPFN	S5INHPFN:W5 Number of family helpers ever helped	Categ
6	S6INHPFN	S6INHPFN:W6 Number of family helpers ever helped	Categ
7	S7INHPFN	S7INHPFN:W7 Number of family helpers ever helped	Categ
8	S8INHPFN	S8INHPFN:W8 Number of family helpers ever helped	Categ
9	S9INHPFN	S9INHPFN:W9 Number of family helpers ever helped	Categ
10	S10INHPFN	S10INHPFN:W10 Number of family helpers ever helped	Categ
11	S11INHPFN	S11INHPFN:W11 Number of family helpers ever helped	Categ
12	S12INHPFN	S12INHPFN:W12 Number of family helpers ever helped	Categ
13	S13INHPFN	S13INHPFN:W13 Number of family helpers ever helped	Categ
14	S14INHPFN	S14INHPFN:W14 Number of family helpers ever helped	Categ
15	S15INHPFN	S15INHPFN:W15 Number of family helpers ever helped	Categ
16	S16INHPFN	S16INHPFN:W16 Number of family helpers ever helped	Categ
3	R3HLPRNFN	R3HLPRNFN:W3 Number of non-family helpers who helped last month	Categ
4	R4HLPRNFN	R4HLPRNFN:W4 Number of non-family helpers who helped last month	Categ
5	R5HLPRNFN	R5HLPRNFN:W5 Number of non-family helpers who helped last month	Categ
6	R6HLPRNFN	R6HLPRNFN:W6 Number of non-family helpers who helped last month	Categ
7	R7HLPRNFN	R7HLPRNFN:W7 Number of non-family helpers who helped last month	Categ
8	R8HLPRNFN	R8HLPRNFN:W8 Number of non-family helpers who helped last month	Categ

9	R9HLPRNFN	R9HLPRNFN:W9 Number of non-family helpers who helped last month	Categ
10	R10HLPRNFN	R10HLPRNFN:W10 Number of non-family helpers who helped last month	Categ
11	R11HLPRNFN	R11HLPRNFN:W11 Number of non-family helpers who helped last month	Categ
12	R12HLPRNFN	R12HLPRNFN:W12 Number of non-family helpers who helped last month	Categ
13	R13HLPRNFN	R13HLPRNFN:W13 Number of non-family helpers who helped last month	Categ
14	R14HLPRNFN	R14HLPRNFN:W14 Number of non-family helpers who helped last month	Categ
15	R15HLPRNFN	R15HLPRNFN:W15 Number of non-family helpers who helped last month	Categ
16	R16HLPRNFN	R16HLPRNFN:W16 Number of non-family helpers who helped last month	Categ
3	S3HLPRNFN	S3HLPRNFN:W3 Number of non-family helpers who helped last month	Categ
4	S4HLPRNFN	S4HLPRNFN:W4 Number of non-family helpers who helped last month	Categ
5	S5HLPRNFN	S5HLPRNFN:W5 Number of non-family helpers who helped last month	Categ
6	S6HLPRNFN	S6HLPRNFN:W6 Number of non-family helpers who helped last month	Categ
7	S7HLPRNFN	S7HLPRNFN:W7 Number of non-family helpers who helped last month	Categ
8	S8HLPRNFN	S8HLPRNFN:W8 Number of non-family helpers who helped last month	Categ
9	S9HLPRNFN	S9HLPRNFN:W9 Number of non-family helpers who helped last month	Categ
10	S10HLPRNFN	S10HLPRNFN:W10 Number of non-family helpers who helped last month	Categ
11	S11HLPRNFN	S11HLPRNFN:W11 Number of non-family helpers who helped last month	Categ
12	S12HLPRNFN	S12HLPRNFN:W12 Number of non-family helpers who helped last month	Categ
13	S13HLPRNFN	S13HLPRNFN:W13 Number of non-family helpers who helped last month	Categ
14	S14HLPRNFN	S14HLPRNFN:W14 Number of non-family helpers who helped last month	Categ
15	S15HLPRNFN	S15HLPRNFN:W15 Number of non-family helpers who helped last month	Categ
16	S16HLPRNFN	S16HLPRNFN:W16 Number of non-family helpers who helped last month	Categ
3	R3INHPNFN	R3INHPNFN:W3 Number of non-family helpers ever helped	Categ
4	R4INHPNFN	R4INHPNFN:W4 Number of non-family helpers ever helped	Categ
5	R5INHPNFN	R5INHPNFN:W5 Number of non-family helpers ever helped	Categ
6	R6INHPNFN	R6INHPNFN:W6 Number of non-family helpers ever helped	Categ
7	R7INHPNFN	R7INHPNFN:W7 Number of non-family helpers ever helped	Categ
8	R8INHPNFN	R8INHPNFN:W8 Number of non-family helpers ever helped	Categ
9	R9INHPNFN	R9INHPNFN:W9 Number of non-family helpers ever helped	Categ
10	R10INHPNFN	R10INHPNFN:W10 Number of non-family helpers ever helped	Categ
11	R11INHPNFN	R11INHPNFN:W11 Number of non-family helpers ever helped	Categ
12	R12INHPNFN	R12INHPNFN:W12 Number of non-family helpers ever helped	Categ
13	R13INHPNFN	R13INHPNFN:W13 Number of non-family helpers ever helped	Categ
14	R14INHPNFN	R14INHPNFN:W14 Number of non-family helpers ever helped	Categ
15	R15INHPNFN	R15INHPNFN:W15 Number of non-family helpers ever helped	Categ
16	R16INHPNFN	R16INHPNFN:W16 Number of non-family helpers ever helped	Categ
3	S3INHPNFN	S3INHPNFN:W3 Number of non-family helpers ever helped	Categ
4	S4INHPNFN	S4INHPNFN:W4 Number of non-family helpers ever helped	Categ
5	S5INHPNFN	S5INHPNFN:W5 Number of non-family helpers ever helped	Categ
6	S6INHPNFN	S6INHPNFN:W6 Number of non-family helpers ever helped	Categ
7	S7INHPNFN	S7INHPNFN:W7 Number of non-family helpers ever helped	Categ
8	S8INHPNFN	S8INHPNFN:W8 Number of non-family helpers ever helped	Categ
9	S9INHPNFN	S9INHPNFN:W9 Number of non-family helpers ever helped	Categ
10	S10INHPNFN	S10INHPNFN:W10 Number of non-family helpers ever helped	Categ
11	S11INHPNFN	S11INHPNFN:W11 Number of non-family helpers ever helped	Categ
12	S12INHPNFN	S12INHPNFN:W12 Number of non-family helpers ever helped	Categ
13	S13INHPNFN	S13INHPNFN:W13 Number of non-family helpers ever helped	Categ
14	S14INHPNFN	S14INHPNFN:W14 Number of non-family helpers ever helped	Categ
15	S15INHPNFN	S15INHPNFN:W15 Number of non-family helpers ever helped	Categ
16	S16INHPNFN	S16INHPNFN:W16 Number of non-family helpers ever helped	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3HLPRFN	17983	0.04	0.27	0.0	7.0
R4HLPRFN	21331	0.14	0.56	0.0	10.0
R5HLPRFN	19529	0.19	0.61	0.0	16.0
R6HLPRFN	18115	0.18	0.54	0.0	8.0
R7HLPRFN	20063	0.17	0.54	0.0	7.0
R8HLPRFN	18418	0.19	0.57	0.0	9.0
R9HLPRFN	17169	0.19	0.56	0.0	8.0
R10HLPRFN	21988	0.22	0.64	0.0	7.0

R11HLPRFN	20505	0.22	0.63	0.0	8.0
R12HLPRFN	18676	0.23	0.67	0.0	7.0
R13HLPRFN	20841	0.21	0.64	0.0	7.0
R14HLPRFN	17094	0.20	0.60	0.0	7.0
R15HLPRFN	15681	0.19	0.59	0.0	9.0
R16HLPRFN	15777	0.21	0.63	0.0	8.0
S3HLPRFN	11914	0.02	0.24	0.0	7.0
S4HLPRFN	13967	0.06	0.38	0.0	10.0
S5HLPRFN	12712	0.13	0.47	0.0	7.0
S6HLPRFN	11624	0.14	0.46	0.0	7.0
S7HLPRFN	12953	0.13	0.46	0.0	6.0
S8HLPRFN	11718	0.15	0.49	0.0	9.0
S9HLPRFN	10633	0.14	0.46	0.0	6.0
S10HLPRFN	13504	0.18	0.56	0.0	7.0
S11HLPRFN	12472	0.18	0.56	0.0	8.0
S12HLPRFN	10992	0.20	0.60	0.0	7.0
S13HLPRFN	11755	0.18	0.57	0.0	7.0
S14HLPRFN	9339	0.17	0.54	0.0	6.0
S15HLPRFN	8464	0.16	0.54	0.0	9.0
S16HLPRFN	7840	0.17	0.56	0.0	7.0
R3INHPFN	17991	0.05	0.36	0.0	9.0
R4INHPFN	21384	0.17	0.71	0.0	14.0
R5INHPFN	19578	0.23	0.74	0.0	16.0
R6INHPFN	18165	0.20	0.58	0.0	8.0
R7INHPFN	20129	0.19	0.59	0.0	7.0
R8INHPFN	18469	0.21	0.61	0.0	9.0
R9INHPFN	17217	0.20	0.61	0.0	8.0
R10INHPFN	22034	0.24	0.69	0.0	8.0
R11INHPFN	20554	0.24	0.68	0.0	8.0
R12INHPFN	18747	0.26	0.73	0.0	9.0
R13INHPFN	20912	0.24	0.69	0.0	7.0
R14INHPFN	17146	0.22	0.65	0.0	7.0
R15INHPFN	15723	0.20	0.63	0.0	9.0
R16INHPFN	15787	0.22	0.68	0.0	8.0
S3INHPFN	11917	0.03	0.32	0.0	8.0
S4INHPFN	13980	0.08	0.50	0.0	12.0
S5INHPFN	12730	0.15	0.57	0.0	12.0
S6INHPFN	11639	0.15	0.49	0.0	7.0
S7INHPFN	12972	0.15	0.49	0.0	6.0
S8INHPFN	11735	0.16	0.52	0.0	9.0
S9INHPFN	10646	0.15	0.50	0.0	7.0
S10INHPFN	13513	0.19	0.59	0.0	7.0
S11INHPFN	12484	0.19	0.60	0.0	8.0
S12INHPFN	11012	0.21	0.65	0.0	7.0
S13INHPFN	11779	0.19	0.62	0.0	7.0
S14INHPFN	9358	0.18	0.57	0.0	7.0
S15INHPFN	8477	0.17	0.55	0.0	9.0
S16INHPFN	7840	0.18	0.60	0.0	7.0
R3HLPRNFN	17988	0.01	0.11	0.0	5.0
R4HLPRNFN	21370	0.04	0.24	0.0	8.0
R5HLPRNFN	19562	0.03	0.22	0.0	5.0
R6HLPRNFN	17765	0.03	0.21	0.0	3.0
R7HLPRNFN	19730	0.03	0.22	0.0	5.0
R8HLPRNFN	18083	0.04	0.23	0.0	5.0
R9HLPRNFN	16851	0.04	0.25	0.0	7.0

R10HLPRNFN	21636	0.04	0.26	0.0	5.0
R11HLPRNFN	20156	0.04	0.26	0.0	5.0
R12HLPRNFN	18400	0.05	0.28	0.0	5.0
R13HLPRNFN	20568	0.04	0.26	0.0	5.0
R14HLPRNFN	16921	0.04	0.25	0.0	6.0
R15HLPRNFN	15534	0.03	0.22	0.0	5.0
R16HLPRNFN	15556	0.04	0.23	0.0	4.0
S3HLPRNFN	11917	0.00	0.07	0.0	3.0
S4HLPRNFN	13979	0.02	0.14	0.0	3.0
S5HLPRNFN	12729	0.01	0.13	0.0	4.0
S6HLPRNFN	11566	0.01	0.13	0.0	3.0
S7HLPRNFN	12903	0.01	0.14	0.0	4.0
S8HLPRNFN	11655	0.01	0.13	0.0	4.0
S9HLPRNFN	10583	0.01	0.13	0.0	3.0
S10HLPRNFN	13413	0.02	0.16	0.0	4.0
S11HLPRNFN	12409	0.02	0.16	0.0	4.0
S12HLPRNFN	10949	0.02	0.16	0.0	5.0
S13HLPRNFN	11707	0.02	0.17	0.0	5.0
S14HLPRNFN	9318	0.02	0.17	0.0	6.0
S15HLPRNFN	8442	0.01	0.11	0.0	2.0
S16HLPRNFN	7797	0.01	0.12	0.0	2.0
R3INHPNFN	17991	0.01	0.12	0.0	5.0
R4INHPNFN	21384	0.04	0.25	0.0	9.0
R5INHPNFN	19578	0.04	0.24	0.0	5.0
R6INHPNFN	18165	0.06	0.28	0.0	4.0
R7INHPNFN	20129	0.06	0.28	0.0	5.0
R8INHPNFN	18469	0.06	0.29	0.0	7.0
R9INHPNFN	17217	0.07	0.32	0.0	7.0
R10INHPNFN	22034	0.07	0.32	0.0	7.0
R11INHPNFN	20554	0.07	0.31	0.0	6.0
R12INHPNFN	18747	0.07	0.33	0.0	6.0
R13INHPNFN	20912	0.06	0.32	0.0	8.0
R14INHPNFN	17146	0.06	0.29	0.0	6.0
R15INHPNFN	15723	0.05	0.26	0.0	5.0
R16INHPNFN	15787	0.05	0.29	0.0	7.0
S3INHPNFN	11917	0.00	0.07	0.0	3.0
S4INHPNFN	13980	0.02	0.15	0.0	3.0
S5INHPNFN	12730	0.01	0.13	0.0	4.0
S6INHPNFN	11639	0.02	0.16	0.0	4.0
S7INHPNFN	12972	0.02	0.16	0.0	4.0
S8INHPNFN	11735	0.02	0.17	0.0	4.0
S9INHPNFN	10646	0.02	0.16	0.0	3.0
S10INHPNFN	13513	0.02	0.19	0.0	4.0
S11INHPNFN	12484	0.02	0.18	0.0	5.0
S12INHPNFN	11012	0.02	0.19	0.0	5.0
S13INHPNFN	11779	0.02	0.20	0.0	6.0
S14INHPNFN	9358	0.02	0.19	0.0	6.0
S15INHPNFN	8477	0.02	0.14	0.0	3.0
S16INHPNFN	7840	0.02	0.17	0.0	7.0

How Constructed

RwHLPRFN is the Respondent's number of family helpers who helped last month. RwINHPFN is the number of family helpers who ever helped. RwHLPRNFN is the Respondent's number of non-family helpers who helped last month. RwINHPNFN is the number of non-family helpers who ever helped. These totals do not include employees of institutions as a result of the survey design as described below. SwHLPRFN, SwINHPFN, SwHLPRNFN, and SwINHPNFN provide this information for the Respondent's spouse or partner.

Respondents are asked whether they had any difficulty with several ADLs, IADLs and with managing their finances. If the Respondent indicated they had any difficulty with an ADL, the Respondent is asked if anyone ever helped them with that ADL. At the end of the ADL survey section, the Respondent is asked who helped with ADLs if any help was indicated. In the same manner, the Respondent is also asked who helped with IADLs and who helped with managing their finances. These three lists of helpers are compiled into a helper list and the Respondent is asked about the details of the help each helper provided individually in a separate survey section. A helper may be a spouse, child, child's spouse, grandchild, other relative, other individual, professional, member of an organization, or an employee of an institution. If a helper is an employee of an institution, they are added to the helper list, but the Respondent is not asked about this helper in the helper survey section.

In the separate helper survey section, the Respondent is asked if each helper on the helper list was paid. The exceptions are employees of institution, as described above, and spouse helpers, who are assumed to be unpaid.

The SwHLPRFN, SwINHPFN, SwHLPRNFN, and SwINHPNFN, variables are taken from the Wave "w" spouse's self-reported RwHLPRFN, RwINHPFN, RwHLPRNFN, and RwINHPNFN variables.

Cross Wave Differences in Original HRS Data

Helper variables are available in all waves except Wave 1 and Wave 2.

HRS Variables Used

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AHEAD 1995:
    D10             HHMEM REL TO IDFM
    D1961           E83.WHO HELP-11
    D1967           E83A.TYPE HELPER-1
    D1975           E84.WHO HELP-2
    D1976           E84A.TYPE HELPER-2
    D1984           E85.WHO HELP-3
    D1985           E85A.TYPE HELPER-3
    D1988           E86.WHO HELP-4
    D1989           E86A.TYPE HELPER-4
    D1992           E87.WHO HELP-5
    D1993           E87A.TYPE HELPER-5
    D1996           E88.WHO HELP-6
    D1997           E88A.TYPE HELPER-6
    D2000           E89.WHO HELP-7
    D2001           E89A.TYPE HELPER-7
    D2041           E99.IADLS-WHO HELP,1
    D2042           E99A.TYPE IADL HELPER-1
    D2050           E100.IADLS-WHO HELP,2
    D2051           E100A.TYPE IADL HELPER-2
    D2055           E101.IADLS-WHO HELP,3
    D2056           E101A.TYPE IADL HELPER-3
    D2061           E102.IADLS-WHO HELP,4
    D2062           E102A.TYPE IADL HELPER-4
    D2067           E103.IADLS-WHO HELP,5
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    D2068           E103A.TYPE IADL HELPER-5
    D2073           E104.IADLS-WHO HELP,6
    D2074           E104A.TYPE IADL HELPER-6
    D2107           E107. MONEY HELP-1
    D2108           E107A.TYPE MONEY HELPER-1
    D2121           E108. MONEY HELPER-2
    D2122           E108A.TYPE MONEY HELPER-2
    D2135A          HELPER RELATIONSHIP COMBINED SOURCE
    D2140           E160.HELPER OFTEN
    D2146           E162.HELPER PAID
    D6              HHMEM STATUS W2
HRS 1996:
    E10             HHMEM REL TO FAMILY R
    E1976           E83.WHO HELP-11
    E1982           E83A.TYPE HELPER-1
    E1990           E84.WHO HELP-2
    E1991           E84A.TYPE HELPER-2
    E1999           E85.WHO HELP-3
    E2000           E85A.TYPE HELPER-3
    E2003           E86.WHO HELP-4
    E2004           E86A.TYPE HELPER-4
    E2007           E87.WHO HELP-5
    E2008           E87A.TYPE HELPER-5
    E2011           E88.WHO HELP-6
    E2012           E88A.TYPE HELPER-6
    E2015           E89.WHO HELP-7
    E2016           E89A.TYPE HELPER-7
    E2056           E99.IADLS-WHO HELP,1
    E2057           E99A.TYPE IADL HELPER-1
    E2065           E100.IADLS-WHO HELP,2
    E2066           E100A.TYPE IADL HELPER-2
    E2070           E101.IADLS-WHO HELP,3
    E2071           E101A.TYPE IADL HELPER-3
    E2076           E102.IADLS-WHO HELP,4
    E2077           E102A.TYPE IADL HELPER-4
    E2082           E103.IADLS-WHO HELP,5
    E2083           E103A.TYPE IADL HELPER-5
    E2088           E104.IADLS-WHO HELP,6
    E2089           E104A.TYPE IADL HELPER-6
    E2101           E107. MONEY HELP-1
    E2102           E107A.TYPE MONEY HELPER-1
    E2109           E108. MONEY HELPER-2
    E2110           E108A.TYPE MONEY HELPER-2
    E2120A          HELPER RELATIONSHIP COMBINED SOURCE
    E2123           E158-1. HELPER OFTEN
    E2130           E162-1. HELPER PAID
    E2149           E162-2. HELPER-SP PAID
    E6              UPDATED HHMEM STATUS
HRS 1998:
    F11             HHMEM REL TO IDFM - UPDATED
    F2502           E83.WHO HELP-11
    F2508           E83A.TYPE HELPER-1
    F2516           E84.WHO HELP-2
    F2517           E84A.TYPE HELPER-2
    F2525           E85.WHO HELP-3
    F2526           E85A.TYPE HELPER-3
    F2529           E86.WHO HELP-4
    F2530           E86A.TYPE HELPER-4
    F2533           E87.WHO HELP-5
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    F2534           E87A.TYPE HELPER-5
    F2537           E88.WHO HELP-6
    F2538           E88A.TYPE HELPER-6
    F2541           E89.WHO HELP-7
    F2542           E89A.TYPE HELPER-7
    F2582           E99.IADLS-WHO HELP,1
    F2583           E99A.TYPE IADL HELPER-1
    F2591           E100.IADLS-WHO HELP,2
    F2592           E100A.TYPE IADL HELPER-2
    F2596           E101.IADLS-WHO HELP,3
    F2597           E101A.TYPE IADL HELPER-3
    F2602           E102.IADLS-WHO HELP,4
    F2603           E102A.TYPE IADL HELPER-4
    F2608           E103.IADLS-WHO HELP,5
    F2609           E103A.TYPE IADL HELPER-5
    F2614           E104.IADLS-WHO HELP,6
    F2615           E104A.TYPE IADL HELPER-6
    F2621           E107. MONEY HELP-1
    F2622           E107A.TYPE MONEY HELPER-1
    F2625           E108. MONEY HELPER-2
    F2626           E108A.TYPE MONEY HELPER-2
    F2639A          HELPER RELATIONSHIP COMBINED SOURCE
    F2642           E158-1.  HELPER OFTEN
    F2649           E162-1. HELPER PAID
    F2665           E162-2. HELPER PAID
    F7              HHMEM STATUS
HRS 2000:
    G11             HHMEM REL TO IDFM - UPDATED
    G2800           E83.WHO HELP-11
    G2806           E83A.TYPE HELPER-1
    G2814           E84.WHO HELP-2
    G2815           E84A.TYPE HELPER-2
    G2823           E85.WHO HELP-3
    G2824           E85A.TYPE HELPER-3
    G2827           E86.WHO HELP-4
    G2828           E86A.TYPE HELPER-4
    G2831           E87.WHO HELP-5
    G2832           E87A.TYPE HELPER-5
    G2835           E88.WHO HELP-6
    G2836           E88A.TYPE HELPER-6
    G2839           E89.WHO HELP-7
    G2840           E89A.TYPE HELPER-7
    G2880           E99.IADLS-WHO HELP-1
    G2881           E99A.TYPE IADL HELPER-1
    G2889           E100.IADLS-WHO HELP-2
    G2890           E100A.TYPE IADL HELPER-2
    G2894           E101.IADLS-WHO HELP-3
    G2895           E101A.TYPE IADL HELPER-3
    G2900           E102.IADLS-WHO HELP-4
    G2901           E102A.TYPE IADL HELPER-4
    G2906           E103.IADLS-WHO HELP-5
    G2907           E103A.TYPE IADL HELPER-5
    G2912           E104.IADLS-WHO HELP-6
    G2913           E104A.TYPE IADL HELPER-6
    G2919           E107. MONEY HELP-1
    G2920           E107A.TYPE MONEY HELPER-1
    G2923           E108. MONEY HELPER-2
    G2924           E108A.TYPE MONEY HELPER-2
    G2947A          HELPER RELATIONSHIP COMBINED SOURCE
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    G2950           E158-1.  HELPER OFTEN
    G2957           E162-1. HELPER PAID
    G2976           E158-2. HELPER OFTEN
    G2983           E162-2. HELPER PAID
    G7              HHMEM STATUS - UPDATED
HRS 2002-2022:
    xG069           HELPER RELATIONSHIP
    xG070           FREQ OF HELP GIVEN- DAYS IN LAST MONTH
    xG071           FREQ OF HELP GIVEN- DAYS PER WEEK
    xG072           DID HELPER HELP EVERY DY
    xG073           #HRS OF HELP
    xG076           HELPER PAID TO HELP
    xG078           AMOUNT R/SP/P PAID HELPER
    xG079           AMOUNT R/SP/P PAID HELPER- PER
    xG080            AMT R/SP/P PAID HELPER- LESS/MORE $100
    xX056_MC        RESIDENCY STATUS-UPDATED
    xX061_MC        RELATIONSHIP TO R-UPDATED
```

ADLs, IADLs, and Finances: Total Amount of Help Received

Wave	Variable	Label	Type
3	R3HLPDYST	R3HLPDYST:W3 Total days got help last month	Categ
4	R4HLPDYST	R4HLPDYST:W4 Total days got help last month	Categ
5	R5HLPDYST	R5HLPDYST:W5 Total days got help last month	Categ
6	R6HLPDYST	R6HLPDYST:W6 Total days got help last month	Categ
7	R7HLPDYST	R7HLPDYST:W7 Total days got help last month	Categ
8	R8HLPDYST	R8HLPDYST:W8 Total days got help last month	Categ
9	R9HLPDYST	R9HLPDYST:W9 Total days got help last month	Categ
10	R10HLPDYST	R10HLPDYST:W10 Total days got help last month	Categ
11	R11HLPDYST	R11HLPDYST:W11 Total days got help last month	Categ
12	R12HLPDYST	R12HLPDYST:W12 Total days got help last month	Categ
13	R13HLPDYST	R13HLPDYST:W13 Total days got help last month	Categ
14	R14HLPDYST	R14HLPDYST:W14 Total days got help last month	Categ
15	R15HLPDYST	R15HLPDYST:W15 Total days got help last month	Categ
16	R16HLPDYST	R16HLPDYST:W16 Total days got help last month	Categ
3	S3HLPDYST	S3HLPDYST:W3 Total days got help last month	Categ
4	S4HLPDYST	S4HLPDYST:W4 Total days got help last month	Categ
5	S5HLPDYST	S5HLPDYST:W5 Total days got help last month	Categ
6	S6HLPDYST	S6HLPDYST:W6 Total days got help last month	Categ
7	S7HLPDYST	S7HLPDYST:W7 Total days got help last month	Categ
8	S8HLPDYST	S8HLPDYST:W8 Total days got help last month	Categ
9	S9HLPDYST	S9HLPDYST:W9 Total days got help last month	Categ
10	S10HLPDYST	S10HLPDYST:W10 Total days got help last month	Categ
11	S11HLPDYST	S11HLPDYST:W11 Total days got help last month	Categ
12	S12HLPDYST	S12HLPDYST:W12 Total days got help last month	Categ
13	S13HLPDYST	S13HLPDYST:W13 Total days got help last month	Categ
14	S14HLPDYST	S14HLPDYST:W14 Total days got help last month	Categ
15	S15HLPDYST	S15HLPDYST:W15 Total days got help last month	Categ
16	S16HLPDYST	S16HLPDYST:W16 Total days got help last month	Categ
3	R3HLPHRST	R3HLPHRST:W3 Total hours got help last month	Categ
4	R4HLPHRST	R4HLPHRST:W4 Total hours got help last month	Categ
5	R5HLPHRST	R5HLPHRST:W5 Total hours got help last month	Categ
6	R6HLPHRST	R6HLPHRST:W6 Total hours got help last month	Categ
7	R7HLPHRST	R7HLPHRST:W7 Total hours got help last month	Categ
8	R8HLPHRST	R8HLPHRST:W8 Total hours got help last month	Categ
9	R9HLPHRST	R9HLPHRST:W9 Total hours got help last month	Categ
10	R10HLPHRST	R10HLPHRST:W10 Total hours got help last month	Categ
11	R11HLPHRST	R11HLPHRST:W11 Total hours got help last month	Categ
12	R12HLPHRST	R12HLPHRST:W12 Total hours got help last month	Categ
13	R13HLPHRST	R13HLPHRST:W13 Total hours got help last month	Categ
14	R14HLPHRST	R14HLPHRST:W14 Total hours got help last month	Categ
15	R15HLPHRST	R15HLPHRST:W15 Total hours got help last month	Categ
16	R16HLPHRST	R16HLPHRST:W16 Total hours got help last month	Categ
3	S3HLPHRST	S3HLPHRST:W3 Total hours got help last month	Categ
4	S4HLPHRST	S4HLPHRST:W4 Total hours got help last month	Categ
5	S5HLPHRST	S5HLPHRST:W5 Total hours got help last month	Categ
6	S6HLPHRST	S6HLPHRST:W6 Total hours got help last month	Categ
7	S7HLPHRST	S7HLPHRST:W7 Total hours got help last month	Categ
8	S8HLPHRST	S8HLPHRST:W8 Total hours got help last month	Categ
9	S9HLPHRST	S9HLPHRST:W9 Total hours got help last month	Categ
10	S10HLPHRST	S10HLPHRST:W10 Total hours got help last month	Categ
11	S11HLPHRST	S11HLPHRST:W11 Total hours got help last month	Categ
12	S12HLPHRST	S12HLPHRST:W12 Total hours got help last month	Categ
13	S13HLPHRST	S13HLPHRST:W13 Total hours got help last month	Categ
14	S14HLPHRST	S14HLPHRST:W14 Total hours got help last month	Categ
15	S15HLPHRST	S15HLPHRST:W15 Total hours got help last month	Categ
16	S16HLPHRST	S16HLPHRST:W16 Total hours got help last month	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3HLPDYST	17971	0.62	5.43	0.0	137.0
R4HLPDYST	21291	2.50	10.94	0.0	186.0
R5HLPDYST	19470	3.75	12.95	0.0	480.0
R6HLPDYST	18082	3.74	12.23	0.0	171.0
R7HLPDYST	20023	3.43	11.57	0.0	150.0
R8HLPDYST	18377	3.90	12.61	0.0	150.0
R9HLPDYST	17146	3.88	12.43	0.0	214.0
R10HLPDYST	21913	4.08	12.89	0.0	180.0
R11HLPDYST	20431	4.11	13.13	0.0	166.0
R12HLPDYST	18604	4.29	13.19	0.0	150.0
R13HLPDYST	20749	3.75	12.35	0.0	181.0
R14HLPDYST	17012	3.62	11.74	0.0	151.0
R15HLPDYST	15602	3.34	11.46	0.0	175.0
R16HLPDYST	15708	3.58	11.88	0.0	189.0
S3HLPDYST	11910	0.36	4.03	0.0	125.0
S4HLPDYST	13956	1.00	6.68	0.0	120.0
S5HLPDYST	12695	2.89	10.48	0.0	123.0
S6HLPDYST	11612	2.83	10.37	0.0	150.0
S7HLPDYST	12939	2.69	9.98	0.0	123.0
S8HLPDYST	11704	3.13	11.04	0.0	150.0
S9HLPDYST	10626	3.02	10.63	0.0	150.0
S10HLPDYST	13481	3.30	11.25	0.0	129.0
S11HLPDYST	12445	3.34	11.43	0.0	157.0
S12HLPDYST	10968	3.65	11.92	0.0	150.0
S13HLPDYST	11727	3.17	11.13	0.0	181.0
S14HLPDYST	9308	3.21	10.85	0.0	135.0
S15HLPDYST	8444	2.90	10.37	0.0	150.0
S16HLPDYST	7824	3.08	10.79	0.0	153.0
R3HLPHRST	17957	2.76	37.95	0.0	2160.0
R4HLPHRST	21211	11.76	80.55	0.0	2160.0
R5HLPHRST	19322	18.62	99.78	0.0	2880.0
R6HLPHRST	17959	20.06	103.75	0.0	2232.0
R7HLPHRST	19880	17.87	94.05	0.0	2160.0
R8HLPHRST	18246	19.20	96.66	0.0	1772.0
R9HLPHRST	17029	20.63	104.76	0.0	2220.0
R10HLPHRST	21726	19.10	94.42	0.0	1836.0
R11HLPHRST	20269	19.65	96.44	0.0	2160.0
R12HLPHRST	18446	20.13	97.95	0.0	2201.0
R13HLPHRST	20572	17.93	93.22	0.0	1860.0
R14HLPHRST	16892	18.39	91.46	0.0	2160.0
R15HLPHRST	15462	15.87	84.40	0.0	1680.0
R16HLPHRST	15576	17.14	83.93	0.0	1600.0
S3HLPHRST	11907	1.50	32.21	0.0	2160.0
S4HLPHRST	13937	4.13	42.64	0.0	1489.0
S5HLPHRST	12615	15.11	85.75	0.0	2160.0
S6HLPHRST	11546	15.43	88.49	0.0	2232.0
S7HLPHRST	12876	14.42	83.16	0.0	1470.0
S8HLPHRST	11634	15.80	87.58	0.0	1772.0
S9HLPHRST	10563	16.90	96.80	0.0	2220.0
S10HLPHRST	13401	15.25	82.03	0.0	1476.0
S11HLPHRST	12366	15.86	84.31	0.0	1484.0
S12HLPHRST	10893	17.37	91.95	0.0	2201.0
S13HLPHRST	11642	14.84	82.93	0.0	1474.0

S14HLPHRST	9246	16.32	86.46	0.0	1488.0
S15HLPHRST	8389	13.90	76.75	0.0	1680.0
S16HLPHRST	7787	15.59	80.60	0.0	1440.0

How Constructed

RwHLPDYST is the total number of days the Respondent got help last month. RwHLPHRST is the number of total hours the Respondent got help last month. SwHLPDYST and SwHLPHRST provide this information for the Respondent's spouse or partner.

Respondents are asked whether they had any difficulty with several ADLs, IADLs and with managing their finances. If the Respondent indicated they had any difficulty with an ADL, the Respondent is asked if anyone ever helped them with that ADL. At the end of the ADL survey section, the Respondent is asked who helped with ADLs if any help was indicated. In the same manner, the Respondent is also asked who helped with IADLs and who helped with managing their finances. These three lists of helpers are compiled into a helper list and the Respondent is asked about the details of the help each helper provided individually in a separate survey section. A helper may be a spouse, child, child's spouse, grandchild, other relative, other individual, professional, member of an organization, or an employee of an institution. If a helper is an employee of an institution, they are added to the helper list, but the Respondent is not asked about this helper in the helper survey section.

The Respondent is asked how many days last month or days last week each helper on the helper list provided help. These answers are transformed into a monthly measure if necessary. Then the Respondent is asked how many hours per day a helper provided help. This value is multiplied by the number of days per month to derive the total number of hours per month variable. A Respondent can report hours or days helped from multiple helpers, which can result in the values of RwHLPDYST and RwHLPHRST being more than 31 and 744 respectively.

The SwHLPDYST and SwHLPHRST variables are taken from the Wave "w" spouse's self-reported RwHLPDYST and RwHLPHRST variables.

As with other helper variables, employees of institutions are excluded from the days and hours of help.

Cross Wave Differences in Original HRS Data

Helper variables are available in all waves except Wave 1 and Wave 2.

HRS Variables Used

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AHEAD 1995:
    D10             HHMEM REL TO IDFM
    D2135A          HELPER RELATIONSHIP COMBINED SOURCE
    D2140           E160.HELPER OFTEN
    D2141           E160A.HELPER PER WEEK
    D2142           E160B.HELPER EVERY DAY
    D2145           E161.HELPER HOURS
    D6              HHMEM STATUS W2
HRS 1996:
    E10             HHMEM REL TO FAMILY R
    E2120A          HELPER RELATIONSHIP COMBINED SOURCE
    E2123           E158-1. HELPER OFTEN
    E2124           E158A-1. HELPER PER WEEK
    E2125           E158B-1. HELPER EVERY DAY
    E2127           E159-1. HELPER HOURS
    E2143           E158A-2.HELPER-SP PER WEEK
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    E2144           E158B-2.HELPER-SP EVERY DAY
    E2146           E159-2. HELPER-SP HOURS
    E6              UPDATED HHMEM STATUS
HRS 1998:
    F11             HHMEM REL TO IDFM - UPDATED
    F2639A          HELPER RELATIONSHIP COMBINED SOURCE
    F2642           E158-1.  HELPER OFTEN
    F2643           E158A-1. HELPER PER WEEK
    F2644           E158B-1. HELPER EVERY DAY
    F2646           E159-1. HELPER HOURS
    F2659           E158A-2.HELPER PER WEEK
    F2660           E158B-2.HELPER EVERY DAY
    F2662           E159-2. HELPER HOURS
    F7              HHMEM STATUS
HRS 2000:
    G11             HHMEM REL TO IDFM - UPDATED
    G2947A          HELPER RELATIONSHIP COMBINED SOURCE
    G2950           E158-1.  HELPER OFTEN
    G2951           E158A-1. HELPER PER WEEK
    G2952           E158B-1. HELPER EVERY DAY
    G2954           E159-1. HELPER HOURS
    G2976           E158-2. HELPER OFTEN
    G2977           E158A-2.HELPER PER WEEK
    G2978           E158B-2.HELPER EVERY DAY
    G2980           E159-2. HELPER HOURS
    G7              HHMEM STATUS - UPDATED
HRS 2002-2022:
    xG069           HELPER RELATIONSHIP
    xG070           FREQ OF HELP GIVEN- DAYS IN LAST MONTH
    xG071           FREQ OF HELP GIVEN- DAYS PER WEEK
    xG072           DID HELPER HELP EVERY DY
    xX056_MC        RESIDENCY STATUS-UPDATED
    xX061_MC        RELATIONSHIP TO R-UPDATED
```

ADLs, IADLs, and Finances: Amount of Paid and Unpaid Help Received

Wave	Variable	Label	Type
3	R3HLPDYSP	R3HLPDYSP:W3 Days paid helpers helped last month	Categ
4	R4HLPDYSP	R4HLPDYSP:W4 Days paid helpers helped last month	Categ
5	R5HLPDYSP	R5HLPDYSP:W5 Days paid helpers helped last month	Categ
6	R6HLPDYSP	R6HLPDYSP:W6 Days paid helpers helped last month	Categ
7	R7HLPDYSP	R7HLPDYSP:W7 Days paid helpers helped last month	Categ
8	R8HLPDYSP	R8HLPDYSP:W8 Days paid helpers helped last month	Categ
9	R9HLPDYSP	R9HLPDYSP:W9 Days paid helpers helped last month	Categ
10	R10HLPDYSP	R10HLPDYSP:W10 Days paid helpers helped last month	Categ
11	R11HLPDYSP	R11HLPDYSP:W11 Days paid helpers helped last month	Categ
12	R12HLPDYSP	R12HLPDYSP:W12 Days paid helpers helped last month	Categ
13	R13HLPDYSP	R13HLPDYSP:W13 Days paid helpers helped last month	Categ
14	R14HLPDYSP	R14HLPDYSP:W14 Days paid helpers helped last month	Categ
15	R15HLPDYSP	R15HLPDYSP:W15 Days paid helpers helped last month	Categ
16	R16HLPDYSP	R16HLPDYSP:W16 Days paid helpers helped last month	Categ
3	S3HLPDYSP	S3HLPDYSP:W3 Days paid helpers helped last month	Categ
4	S4HLPDYSP	S4HLPDYSP:W4 Days paid helpers helped last month	Categ
5	S5HLPDYSP	S5HLPDYSP:W5 Days paid helpers helped last month	Categ
6	S6HLPDYSP	S6HLPDYSP:W6 Days paid helpers helped last month	Categ
7	S7HLPDYSP	S7HLPDYSP:W7 Days paid helpers helped last month	Categ
8	S8HLPDYSP	S8HLPDYSP:W8 Days paid helpers helped last month	Categ
9	S9HLPDYSP	S9HLPDYSP:W9 Days paid helpers helped last month	Categ
10	S10HLPDYSP	S10HLPDYSP:W10 Days paid helpers helped last month	Categ
11	S11HLPDYSP	S11HLPDYSP:W11 Days paid helpers helped last month	Categ
12	S12HLPDYSP	S12HLPDYSP:W12 Days paid helpers helped last month	Categ
13	S13HLPDYSP	S13HLPDYSP:W13 Days paid helpers helped last month	Categ
14	S14HLPDYSP	S14HLPDYSP:W14 Days paid helpers helped last month	Categ
15	S15HLPDYSP	S15HLPDYSP:W15 Days paid helpers helped last month	Categ
16	S16HLPDYSP	S16HLPDYSP:W16 Days paid helpers helped last month	Categ
3	R3HLPHRSP	R3HLPHRSP:W3 Hours paid helpers helped last month	Categ
4	R4HLPHRSP	R4HLPHRSP:W4 Hours paid helpers helped last month	Categ
5	R5HLPHRSP	R5HLPHRSP:W5 Hours paid helpers helped last month	Categ
6	R6HLPHRSP	R6HLPHRSP:W6 Hours paid helpers helped last month	Categ
7	R7HLPHRSP	R7HLPHRSP:W7 Hours paid helpers helped last month	Categ
8	R8HLPHRSP	R8HLPHRSP:W8 Hours paid helpers helped last month	Categ
9	R9HLPHRSP	R9HLPHRSP:W9 Hours paid helpers helped last month	Categ
10	R10HLPHRSP	R10HLPHRSP:W10 Hours paid helpers helped last month	Categ
11	R11HLPHRSP	R11HLPHRSP:W11 Hours paid helpers helped last month	Categ
12	R12HLPHRSP	R12HLPHRSP:W12 Hours paid helpers helped last month	Categ
13	R13HLPHRSP	R13HLPHRSP:W13 Hours paid helpers helped last month	Categ
14	R14HLPHRSP	R14HLPHRSP:W14 Hours paid helpers helped last month	Categ
15	R15HLPHRSP	R15HLPHRSP:W15 Hours paid helpers helped last month	Categ
16	R16HLPHRSP	R16HLPHRSP:W16 Hours paid helpers helped last month	Categ
3	S3HLPHRSP	S3HLPHRSP:W3 Hours paid helpers helped last month	Categ
4	S4HLPHRSP	S4HLPHRSP:W4 Hours paid helpers helped last month	Categ
5	S5HLPHRSP	S5HLPHRSP:W5 Hours paid helpers helped last month	Categ
6	S6HLPHRSP	S6HLPHRSP:W6 Hours paid helpers helped last month	Categ
7	S7HLPHRSP	S7HLPHRSP:W7 Hours paid helpers helped last month	Categ
8	S8HLPHRSP	S8HLPHRSP:W8 Hours paid helpers helped last month	Categ
9	S9HLPHRSP	S9HLPHRSP:W9 Hours paid helpers helped last month	Categ
10	S10HLPHRSP	S10HLPHRSP:W10 Hours paid helpers helped last month	Categ
11	S11HLPHRSP	S11HLPHRSP:W11 Hours paid helpers helped last month	Categ
12	S12HLPHRSP	S12HLPHRSP:W12 Hours paid helpers helped last month	Categ
13	S13HLPHRSP	S13HLPHRSP:W13 Hours paid helpers helped last month	Categ
14	S14HLPHRSP	S14HLPHRSP:W14 Hours paid helpers helped last month	Categ
15	S15HLPHRSP	S15HLPHRSP:W15 Hours paid helpers helped last month	Categ
16	S16HLPHRSP	S16HLPHRSP:W16 Hours paid helpers helped last month	Categ
3	R3HLPDYSU	R3HLPDYSU:W3 Days unpaid helpers helped last month	Categ
4	R4HLPDYSU	R4HLPDYSU:W4 Days unpaid helpers helped last month	Categ
5	R5HLPDYSU	R5HLPDYSU:W5 Days unpaid helpers helped last month	Categ
6	R6HLPDYSU	R6HLPDYSU:W6 Days unpaid helpers helped last month	Categ
7	R7HLPDYSU	R7HLPDYSU:W7 Days unpaid helpers helped last month	Categ
8	R8HLPDYSU	R8HLPDYSU:W8 Days unpaid helpers helped last month	Categ

9	R9HLPDYSU	R9HLPDYSU:W9 Days unpaid helpers helped last month	Categ
10	R10HLPDYSU	R10HLPDYSU:W10 Days unpaid helpers helped last month	Categ
11	R11HLPDYSU	R11HLPDYSU:W11 Days unpaid helpers helped last month	Categ
12	R12HLPDYSU	R12HLPDYSU:W12 Days unpaid helpers helped last month	Categ
13	R13HLPDYSU	R13HLPDYSU:W13 Days unpaid helpers helped last month	Categ
14	R14HLPDYSU	R14HLPDYSU:W14 Days unpaid helpers helped last month	Categ
15	R15HLPDYSU	R15HLPDYSU:W15 Days unpaid helpers helped last month	Categ
16	R16HLPDYSU	R16HLPDYSU:W16 Days unpaid helpers helped last month	Categ

3	S3HLPDYSU	S3HLPDYSU:W3 Days unpaid helpers helped last month	Categ
4	S4HLPDYSU	S4HLPDYSU:W4 Days unpaid helpers helped last month	Categ
5	S5HLPDYSU	S5HLPDYSU:W5 Days unpaid helpers helped last month	Categ
6	S6HLPDYSU	S6HLPDYSU:W6 Days unpaid helpers helped last month	Categ
7	S7HLPDYSU	S7HLPDYSU:W7 Days unpaid helpers helped last month	Categ
8	S8HLPDYSU	S8HLPDYSU:W8 Days unpaid helpers helped last month	Categ
9	S9HLPDYSU	S9HLPDYSU:W9 Days unpaid helpers helped last month	Categ
10	S10HLPDYSU	S10HLPDYSU:W10 Days unpaid helpers helped last month	Categ
11	S11HLPDYSU	S11HLPDYSU:W11 Days unpaid helpers helped last month	Categ
12	S12HLPDYSU	S12HLPDYSU:W12 Days unpaid helpers helped last month	Categ
13	S13HLPDYSU	S13HLPDYSU:W13 Days unpaid helpers helped last month	Categ
14	S14HLPDYSU	S14HLPDYSU:W14 Days unpaid helpers helped last month	Categ
15	S15HLPDYSU	S15HLPDYSU:W15 Days unpaid helpers helped last month	Categ
16	S16HLPDYSU	S16HLPDYSU:W16 Days unpaid helpers helped last month	Categ

3	R3HLPHRSU	R3HLPHRSU:W3 Hours unpaid helpers helped last month	Categ
4	R4HLPHRSU	R4HLPHRSU:W4 Hours unpaid helpers helped last month	Categ
5	R5HLPHRSU	R5HLPHRSU:W5 Hours unpaid helpers helped last month	Categ
6	R6HLPHRSU	R6HLPHRSU:W6 Hours unpaid helpers helped last month	Categ
7	R7HLPHRSU	R7HLPHRSU:W7 Hours unpaid helpers helped last month	Categ
8	R8HLPHRSU	R8HLPHRSU:W8 Hours unpaid helpers helped last month	Categ
9	R9HLPHRSU	R9HLPHRSU:W9 Hours unpaid helpers helped last month	Categ
10	R10HLPHRSU	R10HLPHRSU:W10 Hours unpaid helpers helped last month	Categ
11	R11HLPHRSU	R11HLPHRSU:W11 Hours unpaid helpers helped last month	Categ
12	R12HLPHRSU	R12HLPHRSU:W12 Hours unpaid helpers helped last month	Categ
13	R13HLPHRSU	R13HLPHRSU:W13 Hours unpaid helpers helped last month	Categ
14	R14HLPHRSU	R14HLPHRSU:W14 Hours unpaid helpers helped last month	Categ
15	R15HLPHRSU	R15HLPHRSU:W15 Hours unpaid helpers helped last month	Categ
16	R16HLPHRSU	R16HLPHRSU:W16 Hours unpaid helpers helped last month	Categ

3	S3HLPHRSU	S3HLPHRSU:W3 Hours unpaid helpers helped last month	Categ
4	S4HLPHRSU	S4HLPHRSU:W4 Hours unpaid helpers helped last month	Categ
5	S5HLPHRSU	S5HLPHRSU:W5 Hours unpaid helpers helped last month	Categ
6	S6HLPHRSU	S6HLPHRSU:W6 Hours unpaid helpers helped last month	Categ
7	S7HLPHRSU	S7HLPHRSU:W7 Hours unpaid helpers helped last month	Categ
8	S8HLPHRSU	S8HLPHRSU:W8 Hours unpaid helpers helped last month	Categ
9	S9HLPHRSU	S9HLPHRSU:W9 Hours unpaid helpers helped last month	Categ
10	S10HLPHRSU	S10HLPHRSU:W10 Hours unpaid helpers helped last month	Categ
11	S11HLPHRSU	S11HLPHRSU:W11 Hours unpaid helpers helped last month	Categ
12	S12HLPHRSU	S12HLPHRSU:W12 Hours unpaid helpers helped last month	Categ
13	S13HLPHRSU	S13HLPHRSU:W13 Hours unpaid helpers helped last month	Categ
14	S14HLPHRSU	S14HLPHRSU:W14 Hours unpaid helpers helped last month	Categ
15	S15HLPHRSU	S15HLPHRSU:W15 Hours unpaid helpers helped last month	Categ
16	S16HLPHRSU	S16HLPHRSU:W16 Hours unpaid helpers helped last month	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3HLPDYSP	17990	0.07	1.64	0.0	90.0
R4HLPDYSP	21373	0.52	3.98	0.0	99.0
R5HLPDYSP	19572	0.50	3.91	0.0	90.0
R6HLPDYSP	18160	0.53	3.98	0.0	93.0
R7HLPDYSP	20120	0.45	3.61	0.0	90.0
R8HLPDYSP	18456	0.54	3.98	0.0	82.0
R9HLPDYSP	17210	0.59	4.43	0.0	210.0
R10HLPDYSP	22019	0.63	4.40	0.0	120.0

R11HLPDYSP	20536	0.64	4.44	0.0	90.0
R12HLPDYSP	18724	0.64	4.34	0.0	72.0
R13HLPDYSP	20881	0.62	4.40	0.0	113.0
R14HLPDYSP	17114	0.59	4.13	0.0	111.0
R15HLPDYSP	15709	0.55	4.07	0.0	77.0
R16HLPDYSP	15780	0.59	4.08	0.0	91.0
S3HLPDYSP	11917	0.03	1.19	0.0	90.0
S4HLPDYSP	13977	0.23	2.53	0.0	60.0
S5HLPDYSP	12730	0.21	2.49	0.0	62.0
S6HLPDYSP	11639	0.22	2.48	0.0	93.0
S7HLPDYSP	12971	0.20	2.40	0.0	84.0
S8HLPDYSP	11732	0.23	2.58	0.0	62.0
S9HLPDYSP	10645	0.19	2.29	0.0	62.0
S10HLPDYSP	13509	0.23	2.51	0.0	65.0
S11HLPDYSP	12480	0.27	2.76	0.0	63.0
S12HLPDYSP	11008	0.28	2.88	0.0	62.0
S13HLPDYSP	11773	0.30	2.98	0.0	80.0
S14HLPDYSP	9352	0.31	2.94	0.0	62.0
S15HLPDYSP	8475	0.26	2.80	0.0	62.0
S16HLPDYSP	7839	0.24	2.51	0.0	60.0
R3HLPHRSP	17989	0.47	19.64	0.0	2160.0
R4HLPHRSP	21362	3.19	37.46	0.0	1488.0
R5HLPHRSP	19560	3.29	41.07	0.0	2160.0
R6HLPHRSP	18153	3.87	46.70	0.0	2232.0
R7HLPHRSP	20102	3.12	38.24	0.0	1440.0
R8HLPHRSP	18445	3.82	44.18	0.0	1453.0
R9HLPHRSP	17197	3.75	42.09	0.0	1488.0
R10HLPHRSP	21984	3.91	44.76	0.0	2880.0
R11HLPHRSP	20506	4.21	44.45	0.0	2160.0
R12HLPHRSP	18702	3.87	39.56	0.0	1584.0
R13HLPHRSP	20855	3.64	37.05	0.0	1440.0
R14HLPHRSP	17104	3.55	35.58	0.0	1056.0
R15HLPHRSP	15676	2.81	29.73	0.0	774.0
R16HLPHRSP	15757	3.39	32.47	0.0	1056.0
S3HLPHRSP	11917	0.30	21.02	0.0	2160.0
S4HLPHRSP	13974	1.18	20.02	0.0	748.0
S5HLPHRSP	12727	1.30	23.09	0.0	920.0
S6HLPHRSP	11636	1.61	33.06	0.0	2232.0
S7HLPHRSP	12966	1.33	22.42	0.0	744.0
S8HLPHRSP	11730	1.72	28.97	0.0	1440.0
S9HLPHRSP	10643	1.33	25.90	0.0	1488.0
S10HLPHRSP	13506	1.25	20.81	0.0	770.0
S11HLPHRSP	12471	1.51	24.27	0.0	1440.0
S12HLPHRSP	11004	1.83	28.06	0.0	992.0
S13HLPHRSP	11764	1.51	22.15	0.0	960.0
S14HLPHRSP	9350	2.06	28.44	0.0	1056.0
S15HLPHRSP	8465	1.12	16.30	0.0	720.0
S16HLPHRSP	7835	1.08	14.99	0.0	720.0
R3HLPDYSU	17977	0.55	4.93	0.0	137.0
R4HLPDYSU	21316	2.00	9.51	0.0	186.0
R5HLPDYSU	19481	3.27	11.70	0.0	480.0
R6HLPDYSU	18089	3.22	10.91	0.0	171.0
R7HLPDYSU	20045	3.01	10.51	0.0	150.0
R8HLPDYSU	18394	3.39	11.31	0.0	150.0
R9HLPDYSU	17156	3.31	10.96	0.0	180.0

R10HLPDYSU	21935	3.48	11.38	0.0	180.0
R11HLPDYSU	20455	3.48	11.41	0.0	155.0
R12HLPDYSU	18636	3.66	11.70	0.0	150.0
R13HLPDYSU	20791	3.16	10.78	0.0	181.0
R14HLPDYSU	17048	3.07	10.34	0.0	135.0
R15HLPDYSU	15638	2.83	10.11	0.0	175.0
R16HLPDYSU	15767	3.10	10.63	0.0	189.0
S3HLPDYSU	11913	0.32	3.68	0.0	103.0
S4HLPDYSU	13962	0.78	5.75	0.0	120.0
S5HLPDYSU	12695	2.68	9.73	0.0	120.0
S6HLPDYSU	11612	2.61	9.61	0.0	150.0
S7HLPDYSU	12943	2.50	9.25	0.0	120.0
S8HLPDYSU	11710	2.92	10.25	0.0	150.0
S9HLPDYSU	10627	2.83	9.96	0.0	150.0
S10HLPDYSU	13484	3.09	10.48	0.0	129.0
S11HLPDYSU	12452	3.08	10.45	0.0	140.0
S12HLPDYSU	10974	3.38	11.07	0.0	150.0
S13HLPDYSU	11736	2.89	10.08	0.0	181.0
S14HLPDYSU	9313	2.92	9.93	0.0	135.0
S15HLPDYSU	8447	2.66	9.56	0.0	150.0
S16HLPDYSU	7835	2.99	10.27	0.0	123.0
R3HLPHRSU	17965	2.34	32.02	0.0	1452.0
R4HLPHRSU	21244	8.79	69.90	0.0	2160.0
R5HLPHRSU	19341	15.42	88.38	0.0	2880.0
R6HLPHRSU	17973	16.37	89.65	0.0	2162.0
R7HLPHRSU	19913	15.10	84.65	0.0	2160.0
R8HLPHRSU	18269	15.73	83.72	0.0	1643.0
R9HLPHRSU	17049	16.90	92.90	0.0	2160.0
R10HLPHRSU	21775	15.76	82.69	0.0	1788.0
R11HLPHRSU	20315	15.87	81.87	0.0	1761.0
R12HLPHRSU	18493	16.53	85.76	0.0	1590.0
R13HLPHRSU	20630	14.58	81.86	0.0	1860.0
R14HLPHRSU	16928	15.19	82.14	0.0	2160.0
R15HLPHRSU	15521	13.39	77.79	0.0	1680.0
R16HLPHRSU	15646	14.27	74.86	0.0	1440.0
S3HLPHRSU	11911	1.20	23.41	0.0	1452.0
S4HLPHRSU	13945	2.96	35.99	0.0	1489.0
S5HLPHRSU	12616	13.82	80.70	0.0	2160.0
S6HLPHRSU	11549	13.88	79.90	0.0	1650.0
S7HLPHRSU	12884	13.36	78.46	0.0	1440.0
S8HLPHRSU	11640	14.26	79.31	0.0	1572.0
S9HLPHRSU	10565	15.62	91.18	0.0	2160.0
S10HLPHRSU	13407	14.18	76.39	0.0	1440.0
S11HLPHRSU	12384	14.61	77.89	0.0	1440.0
S12HLPHRSU	10901	15.97	84.97	0.0	1536.0
S13HLPHRSU	11655	13.57	76.91	0.0	1474.0
S14HLPHRSU	9249	14.60	79.63	0.0	1488.0
S15HLPHRSU	8399	13.13	74.28	0.0	1680.0
S16HLPHRSU	7799	15.15	78.52	0.0	1440.0

How Constructed

RwHLPDYSP is the number of days the Respondent got help last month from paid helpers. RwHLPHRSP is the number of total hours the Respondent got help last month from paid helpers. RwHLPDYSU is the number of days the Respondent got help last month from unpaid helpers. RwHLPHRSU is the number of hours the Respondent got help last month from unpaid helpers. SwHLPDYSP, SwHLPHRSP, SwHLPDYSU and SwHLPHRSU provide this information for the Respondent's spouse or partner.

Respondents are asked whether they had any difficulty with several ADLs, IADLs and with managing their finances. If the Respondent indicated they had any difficulty with an ADL, the Respondent is asked if anyone ever helped them with that ADL. At the end of the ADL survey section, the Respondent is asked who helped with ADLs if any help was indicated. In the same manner, the Respondent is also asked who helped with IADLs and who helped with managing their finances. These three lists of helpers are compiled into a helper list and the Respondent is asked about the details of the help each helper provided individually in a separate survey section. A helper may be a spouse, child, child's spouse, grandchild, other relative, other individual, professional, member of an organization, or an employee of an institution. If a helper is an employee of an institution, they are added to the helper list, but the Respondent is not asked about this helper in the helper survey section.

In the separate helper survey section, the Respondent is asked if each helper on the helper list was paid. Employees of institutions are excluded from the payment questions as are spouses, who are assumed to be unpaid. The Respondent is also asked how many days last month or days last week each helper on the helper list provided help. These answers are transformed into a monthly measure if necessary. Then the Respondent is asked how many hours per day a helper provided help. This value is multiplied by the number of days per month to derive the total number of hours per month variable. A Respondent can report hours or days helped from multiple helpers, which can result in the values of RwHLPDYSP and RwHLPDYSU being more than 31 days and RwHLPHRSP and RwRwHLPHRSU being more than 744 hours.

The SwHLPDYSP, SwHLPHRSP, SwHLPDYSU and SwHLPHRSU variables are taken from the Wave "w" spouse's self-reported RwHLPDYSP, RwHLPHRSP, RwHLPDYSU and RwHLPHRSU variables.

As with other helper variables, employees of institutions are excluded from the days and hours of help.

Cross Wave Differences in Original HRS Data

Helper variables are available in all waves except Wave 1 and Wave 2.

HRS Variables Used

```
AHEAD 1995:
    D10             HHMEM REL TO IDFM
    D2135A          HELPER RELATIONSHIP COMBINED SOURCE
    D2140           E160.HELPER OFTEN
    D2141           E160A.HELPER PER WEEK
    D2142           E160B.HELPER EVERY DAY
    D2145           E161.HELPER HOURS
    D2146           E162.HELPER PAID
    D6              HHMEM STATUS W2
HRS 1996:
    E10             HHMEM REL TO FAMILY R
    E2120A          HELPER RELATIONSHIP COMBINED SOURCE
    E2123           E158-1. HELPER OFTEN
    E2124           E158A-1. HELPER PER WEEK
    E2125           E158B-1. HELPER EVERY DAY
    E2127           E159-1. HELPER HOURS
    E2130           E162-1. HELPER PAID
    E2143           E158A-2.HELPER-SP PER WEEK
    E2144           E158B-2.HELPER-SP EVERY DAY
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    E2146           E159-2. HELPER-SP HOURS
    E2149           E162-2. HELPER-SP PAID
    E6              UPDATED HHMEM STATUS
HRS 1998:
    F11             HHMEM REL TO IDFM - UPDATED
    F2639A          HELPER RELATIONSHIP COMBINED SOURCE
    F2642           E158-1.  HELPER OFTEN
    F2643           E158A-1. HELPER PER WEEK
    F2644           E158B-1. HELPER EVERY DAY
    F2646           E159-1. HELPER HOURS
    F2649           E162-1. HELPER PAID
    F2659           E158A-2.HELPER PER WEEK
    F2660           E158B-2.HELPER EVERY DAY
    F2662           E159-2. HELPER HOURS
    F2665           E162-2. HELPER PAID
    F7              HHMEM STATUS
HRS 2000:
    G11             HHMEM REL TO IDFM - UPDATED
    G2947A          HELPER RELATIONSHIP COMBINED SOURCE
    G2950           E158-1.  HELPER OFTEN
    G2951           E158A-1. HELPER PER WEEK
    G2952           E158B-1. HELPER EVERY DAY
    G2954           E159-1. HELPER HOURS
    G2957           E162-1. HELPER PAID
    G2976           E158-2. HELPER OFTEN
    G2977           E158A-2.HELPER PER WEEK
    G2978           E158B-2.HELPER EVERY DAY
    G2980           E159-2. HELPER HOURS
    G2983           E162-2. HELPER PAID
    G7              HHMEM STATUS - UPDATED
HRS 2002-2022:
    xG069           HELPER RELATIONSHIP
    xG070           FREQ OF HELP GIVEN- DAYS IN LAST MONTH
    xG071           FREQ OF HELP GIVEN- DAYS PER WEEK
    xG072           DID HELPER HELP EVERY DY
    xG076           HELPER PAID TO HELP
    xX056_MC        RESIDENCY STATUS-UPDATED
    xX061_MC        RELATIONSHIP TO R-UPDATED
```

ADLs, IADLs, and Finances: Amount of Family and Non-Family Help Received

Wave	Variable	Label	Type
3	R3HLPDYSF	R3HLPDYSF:W3 Days family helpers helped last month	Categ
4	R4HLPDYSF	R4HLPDYSF:W4 Days family helpers helped last month	Categ
5	R5HLPDYSF	R5HLPDYSF:W5 Days family helpers helped last month	Categ
6	R6HLPDYSF	R6HLPDYSF:W6 Days family helpers helped last month	Categ
7	R7HLPDYSF	R7HLPDYSF:W7 Days family helpers helped last month	Categ
8	R8HLPDYSF	R8HLPDYSF:W8 Days family helpers helped last month	Categ
9	R9HLPDYSF	R9HLPDYSF:W9 Days family helpers helped last month	Categ
10	R10HLPDYSF	R10HLPDYSF:W10 Days family helpers helped last month	Categ
11	R11HLPDYSF	R11HLPDYSF:W11 Days family helpers helped last month	Categ
12	R12HLPDYSF	R12HLPDYSF:W12 Days family helpers helped last month	Categ
13	R13HLPDYSF	R13HLPDYSF:W13 Days family helpers helped last month	Categ
14	R14HLPDYSF	R14HLPDYSF:W14 Days family helpers helped last month	Categ
15	R15HLPDYSF	R15HLPDYSF:W15 Days family helpers helped last month	Categ
16	R16HLPDYSF	R16HLPDYSF:W16 Days family helpers helped last month	Categ
3	S3HLPDYSF	S3HLPDYSF:W3 Days family helpers helped last month	Categ
4	S4HLPDYSF	S4HLPDYSF:W4 Days family helpers helped last month	Categ
5	S5HLPDYSF	S5HLPDYSF:W5 Days family helpers helped last month	Categ
6	S6HLPDYSF	S6HLPDYSF:W6 Days family helpers helped last month	Categ
7	S7HLPDYSF	S7HLPDYSF:W7 Days family helpers helped last month	Categ
8	S8HLPDYSF	S8HLPDYSF:W8 Days family helpers helped last month	Categ
9	S9HLPDYSF	S9HLPDYSF:W9 Days family helpers helped last month	Categ
10	S10HLPDYSF	S10HLPDYSF:W10 Days family helpers helped last month	Categ
11	S11HLPDYSF	S11HLPDYSF:W11 Days family helpers helped last month	Categ
12	S12HLPDYSF	S12HLPDYSF:W12 Days family helpers helped last month	Categ
13	S13HLPDYSF	S13HLPDYSF:W13 Days family helpers helped last month	Categ
14	S14HLPDYSF	S14HLPDYSF:W14 Days family helpers helped last month	Categ
15	S15HLPDYSF	S15HLPDYSF:W15 Days family helpers helped last month	Categ
16	S16HLPDYSF	S16HLPDYSF:W16 Days family helpers helped last month	Categ
3	R3HLPHRSF	R3HLPHRSF:W3 Hours family helpers helped last month	Categ
4	R4HLPHRSF	R4HLPHRSF:W4 Hours family helpers helped last month	Categ
5	R5HLPHRSF	R5HLPHRSF:W5 Hours family helpers helped last month	Categ
6	R6HLPHRSF	R6HLPHRSF:W6 Hours family helpers helped last month	Categ
7	R7HLPHRSF	R7HLPHRSF:W7 Hours family helpers helped last month	Categ
8	R8HLPHRSF	R8HLPHRSF:W8 Hours family helpers helped last month	Categ
9	R9HLPHRSF	R9HLPHRSF:W9 Hours family helpers helped last month	Categ
10	R10HLPHRSF	R10HLPHRSF:W10 Hours family helpers helped last month	Categ
11	R11HLPHRSF	R11HLPHRSF:W11 Hours family helpers helped last month	Categ
12	R12HLPHRSF	R12HLPHRSF:W12 Hours family helpers helped last month	Categ
13	R13HLPHRSF	R13HLPHRSF:W13 Hours family helpers helped last month	Categ
14	R14HLPHRSF	R14HLPHRSF:W14 Hours family helpers helped last month	Categ
15	R15HLPHRSF	R15HLPHRSF:W15 Hours family helpers helped last month	Categ
16	R16HLPHRSF	R16HLPHRSF:W16 Hours family helpers helped last month	Categ
3	S3HLPHRSF	S3HLPHRSF:W3 Hours family helpers helped last month	Categ
4	S4HLPHRSF	S4HLPHRSF:W4 Hours family helpers helped last month	Categ
5	S5HLPHRSF	S5HLPHRSF:W5 Hours family helpers helped last month	Categ
6	S6HLPHRSF	S6HLPHRSF:W6 Hours family helpers helped last month	Categ
7	S7HLPHRSF	S7HLPHRSF:W7 Hours family helpers helped last month	Categ
8	S8HLPHRSF	S8HLPHRSF:W8 Hours family helpers helped last month	Categ
9	S9HLPHRSF	S9HLPHRSF:W9 Hours family helpers helped last month	Categ
10	S10HLPHRSF	S10HLPHRSF:W10 Hours family helpers helped last month	Categ
11	S11HLPHRSF	S11HLPHRSF:W11 Hours family helpers helped last month	Categ
12	S12HLPHRSF	S12HLPHRSF:W12 Hours family helpers helped last month	Categ
13	S13HLPHRSF	S13HLPHRSF:W13 Hours family helpers helped last month	Categ
14	S14HLPHRSF	S14HLPHRSF:W14 Hours family helpers helped last month	Categ
15	S15HLPHRSF	S15HLPHRSF:W15 Hours family helpers helped last month	Categ
16	S16HLPHRSF	S16HLPHRSF:W16 Hours family helpers helped last month	Categ
3	R3HLPDYSNF	R3HLPDYSNF:W3 Days non-family helpers helped last month	Categ
4	R4HLPDYSNF	R4HLPDYSNF:W4 Days non-family helpers helped last month	Categ
5	R5HLPDYSNF	R5HLPDYSNF:W5 Days non-family helpers helped last month	Categ
6	R6HLPDYSNF	R6HLPDYSNF:W6 Days non-family helpers helped last month	Categ
7	R7HLPDYSNF	R7HLPDYSNF:W7 Days non-family helpers helped last month	Categ
8	R8HLPDYSNF	R8HLPDYSNF:W8 Days non-family helpers helped last month	Categ

9	R9HLPDYSNF	R9HLPDYSNF:W9 Days non-family helpers helped last month	Categ
10	R10HLPDYSNF	R10HLPDYSNF:W10 Days non-family helpers helped last month	Categ
11	R11HLPDYSNF	R11HLPDYSNF:W11 Days non-family helpers helped last month	Categ
12	R12HLPDYSNF	R12HLPDYSNF:W12 Days non-family helpers helped last month	Categ
13	R13HLPDYSNF	R13HLPDYSNF:W13 Days non-family helpers helped last month	Categ
14	R14HLPDYSNF	R14HLPDYSNF:W14 Days non-family helpers helped last month	Categ
15	R15HLPDYSNF	R15HLPDYSNF:W15 Days non-family helpers helped last month	Categ
16	R16HLPDYSNF	R16HLPDYSNF:W16 Days non-family helpers helped last month	Categ
3	S3HLPDYSNF	S3HLPDYSNF:W3 Days non-family helpers helped last month	Categ
4	S4HLPDYSNF	S4HLPDYSNF:W4 Days non-family helpers helped last month	Categ
5	S5HLPDYSNF	S5HLPDYSNF:W5 Days non-family helpers helped last month	Categ
6	S6HLPDYSNF	S6HLPDYSNF:W6 Days non-family helpers helped last month	Categ
7	S7HLPDYSNF	S7HLPDYSNF:W7 Days non-family helpers helped last month	Categ
8	S8HLPDYSNF	S8HLPDYSNF:W8 Days non-family helpers helped last month	Categ
9	S9HLPDYSNF	S9HLPDYSNF:W9 Days non-family helpers helped last month	Categ
10	S10HLPDYSNF	S10HLPDYSNF:W10 Days non-family helpers helped last month	Categ
11	S11HLPDYSNF	S11HLPDYSNF:W11 Days non-family helpers helped last month	Categ
12	S12HLPDYSNF	S12HLPDYSNF:W12 Days non-family helpers helped last month	Categ
13	S13HLPDYSNF	S13HLPDYSNF:W13 Days non-family helpers helped last month	Categ
14	S14HLPDYSNF	S14HLPDYSNF:W14 Days non-family helpers helped last month	Categ
15	S15HLPDYSNF	S15HLPDYSNF:W15 Days non-family helpers helped last month	Categ
16	S16HLPDYSNF	S16HLPDYSNF:W16 Days non-family helpers helped last month	Categ
3	R3HLPHRSNF	R3HLPHRSNF:W3 Hours non-family helpers helped last month	Categ
4	R4HLPHRSNF	R4HLPHRSNF:W4 Hours non-family helpers helped last month	Categ
5	R5HLPHRSNF	R5HLPHRSNF:W5 Hours non-family helpers helped last month	Categ
6	R6HLPHRSNF	R6HLPHRSNF:W6 Hours non-family helpers helped last month	Categ
7	R7HLPHRSNF	R7HLPHRSNF:W7 Hours non-family helpers helped last month	Categ
8	R8HLPHRSNF	R8HLPHRSNF:W8 Hours non-family helpers helped last month	Categ
9	R9HLPHRSNF	R9HLPHRSNF:W9 Hours non-family helpers helped last month	Categ
10	R10HLPHRSNF	R10HLPHRSNF:W10 Hours non-family helpers helped last month	Categ
11	R11HLPHRSNF	R11HLPHRSNF:W11 Hours non-family helpers helped last month	Categ
12	R12HLPHRSNF	R12HLPHRSNF:W12 Hours non-family helpers helped last month	Categ
13	R13HLPHRSNF	R13HLPHRSNF:W13 Hours non-family helpers helped last month	Categ
14	R14HLPHRSNF	R14HLPHRSNF:W14 Hours non-family helpers helped last month	Categ
15	R15HLPHRSNF	R15HLPHRSNF:W15 Hours non-family helpers helped last month	Categ
16	R16HLPHRSNF	R16HLPHRSNF:W16 Hours non-family helpers helped last month	Categ
3	S3HLPHRSNF	S3HLPHRSNF:W3 Hours non-family helpers helped last month	Categ
4	S4HLPHRSNF	S4HLPHRSNF:W4 Hours non-family helpers helped last month	Categ
5	S5HLPHRSNF	S5HLPHRSNF:W5 Hours non-family helpers helped last month	Categ
6	S6HLPHRSNF	S6HLPHRSNF:W6 Hours non-family helpers helped last month	Categ
7	S7HLPHRSNF	S7HLPHRSNF:W7 Hours non-family helpers helped last month	Categ
8	S8HLPHRSNF	S8HLPHRSNF:W8 Hours non-family helpers helped last month	Categ
9	S9HLPHRSNF	S9HLPHRSNF:W9 Hours non-family helpers helped last month	Categ
10	S10HLPHRSNF	S10HLPHRSNF:W10 Hours non-family helpers helped last month	Categ
11	S11HLPHRSNF	S11HLPHRSNF:W11 Hours non-family helpers helped last month	Categ
12	S12HLPHRSNF	S12HLPHRSNF:W12 Hours non-family helpers helped last month	Categ
13	S13HLPHRSNF	S13HLPHRSNF:W13 Hours non-family helpers helped last month	Categ
14	S14HLPHRSNF	S14HLPHRSNF:W14 Hours non-family helpers helped last month	Categ
15	S15HLPHRSNF	S15HLPHRSNF:W15 Hours non-family helpers helped last month	Categ
16	S16HLPHRSNF	S16HLPHRSNF:W16 Hours non-family helpers helped last month	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3HLPDYSF	17976	0.51	4.77	0.0	137.0
R4HLPDYSF	21311	1.92	9.36	0.0	186.0
R5HLPDYSF	19489	3.21	11.62	0.0	480.0
R6HLPDYSF	18095	3.17	10.86	0.0	166.0
R7HLPDYSF	20041	2.94	10.39	0.0	150.0
R8HLPDYSF	18394	3.35	11.27	0.0	150.0
R9HLPDYSF	17154	3.26	10.89	0.0	180.0
R10HLPDYSF	21942	3.47	11.33	0.0	180.0

R11HLPDYSF	20458	3.52	11.63	0.0	155.0
R12HLPDYSF	18629	3.66	11.72	0.0	150.0
R13HLPDYSF	20794	3.21	10.88	0.0	181.0
R14HLPDYSF	17038	3.12	10.51	0.0	135.0
R15HLPDYSF	15635	2.90	10.32	0.0	175.0
R16HLPDYSF	15766	3.16	10.93	0.0	189.0
S3HLPDYSF	11910	0.31	3.63	0.0	103.0
S4HLPDYSF	13960	0.77	5.76	0.0	120.0
S5HLPDYSF	12696	2.69	9.76	0.0	120.0
S6HLPDYSF	11615	2.63	9.61	0.0	150.0
S7HLPDYSF	12943	2.50	9.22	0.0	120.0
S8HLPDYSF	11709	2.93	10.25	0.0	150.0
S9HLPDYSF	10627	2.81	9.84	0.0	150.0
S10HLPDYSF	13487	3.11	10.53	0.0	124.0
S11HLPDYSF	12450	3.13	10.66	0.0	150.0
S12HLPDYSF	10972	3.44	11.21	0.0	150.0
S13HLPDYSF	11735	2.96	10.31	0.0	181.0
S14HLPDYSF	9311	2.97	10.10	0.0	135.0
S15HLPDYSF	8449	2.75	9.81	0.0	150.0
S16HLPDYSF	7836	2.99	10.45	0.0	150.0
R3HLPHRSF	17964	2.20	31.18	0.0	1452.0
R4HLPHRSF	21245	8.64	69.48	0.0	2160.0
R5HLPHRSF	19358	15.51	88.87	0.0	2880.0
R6HLPHRSF	17984	16.12	88.05	0.0	2162.0
R7HLPHRSF	19909	14.95	84.00	0.0	2160.0
R8HLPHRSF	18274	16.07	86.07	0.0	1643.0
R9HLPHRSF	17047	17.08	93.37	0.0	2160.0
R10HLPHRSF	21782	15.98	82.47	0.0	1776.0
R11HLPHRSF	20311	16.41	84.50	0.0	1761.0
R12HLPHRSF	18488	16.76	85.62	0.0	1560.0
R13HLPHRSF	20641	15.13	83.22	0.0	1860.0
R14HLPHRSF	16930	15.64	82.62	0.0	2160.0
R15HLPHRSF	15517	14.14	79.08	0.0	1680.0
R16HLPHRSF	15646	15.10	78.63	0.0	1440.0
S3HLPHRSF	11907	1.14	23.19	0.0	1452.0
S4HLPHRSF	13944	3.14	37.95	0.0	1489.0
S5HLPHRSF	12618	14.03	81.33	0.0	2160.0
S6HLPHRSF	11549	13.83	78.55	0.0	1650.0
S7HLPHRSF	12883	13.56	78.77	0.0	1440.0
S8HLPHRSF	11640	14.44	80.22	0.0	1572.0
S9HLPHRSF	10565	15.71	91.36	0.0	2160.0
S10HLPHRSF	13410	14.36	77.24	0.0	1440.0
S11HLPHRSF	12378	14.71	78.39	0.0	1440.0
S12HLPHRSF	10901	16.25	84.75	0.0	1444.0
S13HLPHRSF	11658	13.99	79.04	0.0	1474.0
S14HLPHRSF	9252	14.92	79.61	0.0	1488.0
S15HLPHRSF	8399	13.53	75.04	0.0	1680.0
S16HLPHRSF	7800	15.04	78.70	0.0	1440.0
R3HLPDYSNF	17986	0.11	1.97	0.0	90.0
R4HLPDYSNF	21362	0.61	4.33	0.0	99.0
R5HLPDYSNF	19559	0.56	4.22	0.0	113.0
R6HLPDYSNF	17761	0.55	4.06	0.0	93.0
R7HLPDYSNF	19726	0.50	3.75	0.0	90.0
R8HLPDYSNF	18080	0.57	4.04	0.0	80.0
R9HLPDYSNF	16849	0.62	4.56	0.0	210.0

R10HLPDYSNF	21623	0.62	4.33	0.0	92.0
R11HLPDYSNF	20142	0.60	4.25	0.0	90.0
R12HLPDYSNF	18381	0.64	4.41	0.0	93.0
R13HLPDYSNF	20550	0.56	4.17	0.0	112.0
R14HLPDYSNF	16901	0.53	3.72	0.0	66.0
R15HLPDYSNF	15527	0.46	3.57	0.0	75.0
R16HLPDYSNF	15552	0.44	3.33	0.0	64.0
S3HLPDYSNF	11917	0.05	1.30	0.0	90.0
S4HLPDYSNF	13976	0.24	2.62	0.0	60.0
S5HLPDYSNF	12729	0.21	2.46	0.0	62.0
S6HLPDYSNF	11565	0.19	2.31	0.0	93.0
S7HLPDYSNF	12902	0.20	2.33	0.0	84.0
S8HLPDYSNF	11655	0.22	2.58	0.0	62.0
S9HLPDYSNF	10583	0.22	2.47	0.0	62.0
S10HLPDYSNF	13409	0.21	2.38	0.0	60.0
S11HLPDYSNF	12406	0.22	2.50	0.0	74.0
S12HLPDYSNF	10946	0.22	2.58	0.0	93.0
S13HLPDYSNF	11704	0.22	2.63	0.0	80.0
S14HLPDYSNF	9315	0.25	2.56	0.0	62.0
S15HLPDYSNF	8441	0.16	1.99	0.0	60.0
S16HLPDYSNF	7796	0.13	1.59	0.0	31.0
R3HLPHRSNF	17984	0.60	20.75	0.0	2160.0
R4HLPHRSNF	21342	3.28	37.94	0.0	1488.0
R5HLPHRSNF	19536	3.14	39.56	0.0	2160.0
R6HLPHRSNF	17750	3.43	40.47	0.0	1464.0
R7HLPHRSNF	19709	2.99	36.02	0.0	1488.0
R8HLPHRSNF	18062	3.26	39.00	0.0	1530.0
R9HLPHRSNF	16836	3.30	38.93	0.0	1488.0
R10HLPHRSNF	21586	3.30	37.08	0.0	1440.0
R11HLPHRSNF	20117	3.52	40.00	0.0	2160.0
R12HLPHRSNF	18355	3.50	38.31	0.0	1736.0
R13HLPHRSNF	20522	3.10	35.08	0.0	1440.0
R14HLPHRSNF	16880	3.03	34.73	0.0	1488.0
R15HLPHRSNF	15497	1.99	24.56	0.0	1105.0
R16HLPHRSNF	15534	2.23	24.72	0.0	840.0
S3HLPHRSNF	11917	0.35	21.22	0.0	2160.0
S4HLPHRSNF	13971	1.00	17.49	0.0	748.0
S5HLPHRSNF	12725	1.09	19.81	0.0	744.0
S6HLPHRSNF	11564	1.16	22.66	0.0	1440.0
S7HLPHRSNF	12898	1.01	17.03	0.0	744.0
S8HLPHRSNF	11650	1.50	27.88	0.0	1440.0
S9HLPHRSNF	10581	1.24	23.69	0.0	1488.0
S10HLPHRSNF	13404	0.94	16.89	0.0	720.0
S11HLPHRSNF	12398	1.29	23.59	0.0	1440.0
S12HLPHRSNF	10940	1.40	28.14	0.0	1736.0
S13HLPHRSNF	11696	1.14	20.04	0.0	960.0
S14HLPHRSNF	9310	1.67	28.92	0.0	1488.0
S15HLPHRSNF	8433	0.62	10.80	0.0	480.0
S16HLPHRSNF	7795	0.63	11.67	0.0	720.0

How Constructed

RwHLPDYSF is the number of days the Respondent got help last month from family helpers. RwHLPHRSF is the number of hours the Respondent got help last month from family helpers. RwHLPDYSNF is the number of days the Respondent got help last month from non-family helpers. RwHLPHRSNF is the number of hours the Respondent got help last month from non-family helpers. SwHLPDYSF, SwHLPHRSF, SwHLPDYSNF and SwHLPHRSNF provide this information for the Respondent's spouse or partner.

Respondents are asked whether they had any difficulty with several ADLs, IADLs and with managing their finances. If the Respondent indicated they had any difficulty with an ADL, the Respondent is asked if anyone ever helped them with that ADL. At the end of the ADL survey section, the Respondent is asked who helped with ADLs if any help was indicated. In the same manner, the Respondent is also asked who helped with IADLs and who helped with managing their finances. These three lists of helpers are compiled into a helper list and the Respondent is asked about the details of the help each helper provided individually in a separate survey section. A helper may be a spouse, child, child's spouse, grandchild, other relative, other individual, professional, member of an organization, or an employee of an institution. If a helper is an employee of an institution, they are added to the helper list, but the Respondent is not asked about this helper in the helper survey section.

The Respondent is asked how many days last month or days last week each helper on the helper list provided help. These answers are transformed into a monthly measure if necessary. Then the Respondent is asked how many hours per day a helper provided help. This value is multiplied by the number of days per month to derive the total number of hours per month variable. A Respondent can report hours or days helped from multiple helpers, which can result in the values of RwHLPDYSF and RwHLPDYSNF being more than 31 days and RwHLPHRSF and RwRwHLPHRSNF being more than 744 hours.

The SwHLPDYSF, SwHLPHRSF, SwHLPDYSNF and SwHLPHRSNF variables are taken from the Wave "w" spouse's self-reported RwHLPDYSF, RwHLPHRSF, RwHLPDYSNF and RwHLPHRSNF variables.

As with other helper variables, employees of institutions are excluded from the days and hours of help.

Cross Wave Differences in Original HRS Data

Helper variables are available in all waves except Wave 1 and Wave 2.

HRS Variables Used

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AHEAD 1995:
    D10             HHMEM REL TO IDFM
    D2135A          HELPER RELATIONSHIP COMBINED SOURCE
    D2140           E160.HELPER OFTEN
    D2141           E160A.HELPER PER WEEK
    D2142           E160B.HELPER EVERY DAY
    D2145           E161.HELPER HOURS
    D2146           E162.HELPER PAID
    D6              HHMEM STATUS W2
HRS 1996:
    E10             HHMEM REL TO FAMILY R
    E2120A          HELPER RELATIONSHIP COMBINED SOURCE
    E2123           E158-1. HELPER OFTEN
    E2124           E158A-1. HELPER PER WEEK
    E2125           E158B-1. HELPER EVERY DAY
    E2127           E159-1. HELPER HOURS
    E2130           E162-1. HELPER PAID
    E2143           E158A-2.HELPER-SP PER WEEK
    E2144           E158B-2.HELPER-SP EVERY DAY
    E2146           E159-2. HELPER-SP HOURS
    E2149           E162-2. HELPER-SP PAID
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    E6              UPDATED HHMEM STATUS
HRS 1998:
    F11             HHMEM REL TO IDFM - UPDATED
    F2639A          HELPER RELATIONSHIP COMBINED SOURCE
    F2642           E158-1.  HELPER OFTEN
    F2643           E158A-1. HELPER PER WEEK
    F2644           E158B-1. HELPER EVERY DAY
    F2646           E159-1. HELPER HOURS
    F2649           E162-1. HELPER PAID
    F2659           E158A-2.HELPER PER WEEK
    F2660           E158B-2.HELPER EVERY DAY
    F2662           E159-2. HELPER HOURS
    F2665           E162-2. HELPER PAID
    F7              HHMEM STATUS
HRS 2000:
    G11             HHMEM REL TO IDFM - UPDATED
    G2947A          HELPER RELATIONSHIP COMBINED SOURCE
    G2950           E158-1.  HELPER OFTEN
    G2951           E158A-1. HELPER PER WEEK
    G2952           E158B-1. HELPER EVERY DAY
    G2954           E159-1. HELPER HOURS
    G2957           E162-1. HELPER PAID
    G2976           E158-2. HELPER OFTEN
    G2977           E158A-2.HELPER PER WEEK
    G2978           E158B-2.HELPER EVERY DAY
    G2980           E159-2. HELPER HOURS
    G2983           E162-2. HELPER PAID
    G7              HHMEM STATUS - UPDATED
HRS 2002-2022:
    xG069           HELPER RELATIONSHIP
    xG070           FREQ OF HELP GIVEN- DAYS IN LAST MONTH
    xG071           FREQ OF HELP GIVEN- DAYS PER WEEK
    xG072           DID HELPER HELP EVERY DY
    xG076           HELPER PAID TO HELP
    xX056_MC        RESIDENCY STATUS-UPDATED
    xX061_MC        RELATIONSHIP TO R-UPDATED
```

ADLs, IADLs, and Finances: Total Payments to Helpers

Wave	Variable	Label	Type
3	R3HLPPDTN	R3HLPPDTN:W3 Total number of helpers paid to help	Categ
4	R4HLPPDTN	R4HLPPDTN:W4 Total number of helpers paid to help	Categ
5	R5HLPPDTN	R5HLPPDTN:W5 Total number of helpers paid to help	Categ
6	R6HLPPDTN	R6HLPPDTN:W6 Total number of helpers paid to help	Categ
7	R7HLPPDTN	R7HLPPDTN:W7 Total number of helpers paid to help	Categ
8	R8HLPPDTN	R8HLPPDTN:W8 Total number of helpers paid to help	Categ
9	R9HLPPDTN	R9HLPPDTN:W9 Total number of helpers paid to help	Categ
10	R10HLPPDTN	R10HLPPDTN:W10 Total number of helpers paid to help	Categ
11	R11HLPPDTN	R11HLPPDTN:W11 Total number of helpers paid to help	Categ
12	R12HLPPDTN	R12HLPPDTN:W12 Total number of helpers paid to help	Categ
13	R13HLPPDTN	R13HLPPDTN:W13 Total number of helpers paid to help	Categ
14	R14HLPPDTN	R14HLPPDTN:W14 Total number of helpers paid to help	Categ
15	R15HLPPDTN	R15HLPPDTN:W15 Total number of helpers paid to help	Categ
16	R16HLPPDTN	R16HLPPDTN:W16 Total number of helpers paid to help	Categ
3	S3HLPPDTN	S3HLPPDTN:W3 Total number of helpers paid to help	Categ
4	S4HLPPDTN	S4HLPPDTN:W4 Total number of helpers paid to help	Categ
5	S5HLPPDTN	S5HLPPDTN:W5 Total number of helpers paid to help	Categ
6	S6HLPPDTN	S6HLPPDTN:W6 Total number of helpers paid to help	Categ
7	S7HLPPDTN	S7HLPPDTN:W7 Total number of helpers paid to help	Categ
8	S8HLPPDTN	S8HLPPDTN:W8 Total number of helpers paid to help	Categ
9	S9HLPPDTN	S9HLPPDTN:W9 Total number of helpers paid to help	Categ
10	S10HLPPDTN	S10HLPPDTN:W10 Total number of helpers paid to help	Categ
11	S11HLPPDTN	S11HLPPDTN:W11 Total number of helpers paid to help	Categ
12	S12HLPPDTN	S12HLPPDTN:W12 Total number of helpers paid to help	Categ
13	S13HLPPDTN	S13HLPPDTN:W13 Total number of helpers paid to help	Categ
14	S14HLPPDTN	S14HLPPDTN:W14 Total number of helpers paid to help	Categ
15	S15HLPPDTN	S15HLPPDTN:W15 Total number of helpers paid to help	Categ
16	S16HLPPDTN	S16HLPPDTN:W16 Total number of helpers paid to help	Categ
3	R3HLPPDTA	R3HLPPDTA:W3 Total amount helpers were paid last month	Categ
4	R4HLPPDTA	R4HLPPDTA:W4 Total amount helpers were paid last month	Categ
5	R5HLPPDTA	R5HLPPDTA:W5 Total amount helpers were paid last month	Categ
6	R6HLPPDTA	R6HLPPDTA:W6 Total amount helpers were paid last month	Categ
7	R7HLPPDTA	R7HLPPDTA:W7 Total amount helpers were paid last month	Categ
8	R8HLPPDTA	R8HLPPDTA:W8 Total amount helpers were paid last month	Categ
9	R9HLPPDTA	R9HLPPDTA:W9 Total amount helpers were paid last month	Categ
10	R10HLPPDTA	R10HLPPDTA:W10 Total amount helpers were paid last month	Categ
11	R11HLPPDTA	R11HLPPDTA:W11 Total amount helpers were paid last month	Categ
12	R12HLPPDTA	R12HLPPDTA:W12 Total amount helpers were paid last month	Categ
13	R13HLPPDTA	R13HLPPDTA:W13 Total amount helpers were paid last month	Categ
14	R14HLPPDTA	R14HLPPDTA:W14 Total amount helpers were paid last month	Categ
15	R15HLPPDTA	R15HLPPDTA:W15 Total amount helpers were paid last month	Categ
16	R16HLPPDTA	R16HLPPDTA:W16 Total amount helpers were paid last month	Categ
3	S3HLPPDTA	S3HLPPDTA:W3 Total amount helpers were paid last month	Categ
4	S4HLPPDTA	S4HLPPDTA:W4 Total amount helpers were paid last month	Categ
5	S5HLPPDTA	S5HLPPDTA:W5 Total amount helpers were paid last month	Categ
6	S6HLPPDTA	S6HLPPDTA:W6 Total amount helpers were paid last month	Categ
7	S7HLPPDTA	S7HLPPDTA:W7 Total amount helpers were paid last month	Categ
8	S8HLPPDTA	S8HLPPDTA:W8 Total amount helpers were paid last month	Categ
9	S9HLPPDTA	S9HLPPDTA:W9 Total amount helpers were paid last month	Categ
10	S10HLPPDTA	S10HLPPDTA:W10 Total amount helpers were paid last month	Categ
11	S11HLPPDTA	S11HLPPDTA:W11 Total amount helpers were paid last month	Categ
12	S12HLPPDTA	S12HLPPDTA:W12 Total amount helpers were paid last month	Categ
13	S13HLPPDTA	S13HLPPDTA:W13 Total amount helpers were paid last month	Categ
14	S14HLPPDTA	S14HLPPDTA:W14 Total amount helpers were paid last month	Categ
15	S15HLPPDTA	S15HLPPDTA:W15 Total amount helpers were paid last month	Categ
16	S16HLPPDTA	S16HLPPDTA:W16 Total amount helpers were paid last month	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3HLPPDTN	452	0.18	0.46	0.0	3.0
R4HLPPDTN	1960	0.32	0.58	0.0	4.0
R5HLPPDTN	2622	0.19	0.46	0.0	4.0
R6HLPPDTN	2584	0.21	0.47	0.0	3.0
R7HLPPDTN	2701	0.20	0.49	0.0	4.0
R8HLPPDTN	2671	0.21	0.48	0.0	4.0
R9HLPPDTN	2521	0.23	0.53	0.0	7.0
R10HLPPDTN	3371	0.24	0.54	0.0	5.0
R11HLPPDTN	3155	0.25	0.57	0.0	5.0
R12HLPPDTN	3071	0.25	0.58	0.0	5.0
R13HLPPDTN	3143	0.26	0.58	0.0	5.0
R14HLPPDTN	2499	0.26	0.56	0.0	6.0
R15HLPPDTN	2128	0.24	0.55	0.0	5.0
R16HLPPDTN	2195	0.26	0.54	0.0	4.0
S3HLPPDTN	198	0.14	0.42	0.0	3.0
S4HLPPDTN	582	0.31	0.55	0.0	3.0
S5HLPPDTN	1311	0.10	0.34	0.0	4.0
S6HLPPDTN	1224	0.12	0.38	0.0	3.0
S7HLPPDTN	1336	0.12	0.39	0.0	4.0
S8HLPPDTN	1304	0.12	0.38	0.0	4.0
S9HLPPDTN	1168	0.10	0.34	0.0	3.0
S10HLPPDTN	1677	0.12	0.41	0.0	5.0
S11HLPPDTN	1548	0.14	0.41	0.0	4.0
S12HLPPDTN	1487	0.14	0.46	0.0	5.0
S13HLPPDTN	1458	0.16	0.46	0.0	5.0
S14HLPPDTN	1159	0.16	0.48	0.0	6.0
S15HLPPDTN	939	0.14	0.45	0.0	5.0
S16HLPPDTN	908	0.14	0.40	0.0	2.0
R3HLPPDTA	17977	0.51	22.23	0.0	2400.0
R4HLPPDTA	21282	7.47	141.85	0.0	11000.0
R5HLPPDTA	19486	7.78	155.82	0.0	14880.0
R6HLPPDTA	18085	10.98	198.46	0.0	10000.0
R7HLPPDTA	20028	8.14	138.18	0.0	5100.0
R8HLPPDTA	18378	10.30	178.90	0.0	14000.0
R9HLPPDTA	17130	13.78	246.87	0.0	13000.0
R10HLPPDTA	21903	13.08	217.67	0.0	10800.0
R11HLPPDTA	20426	13.80	239.20	0.0	11147.0
R12HLPPDTA	18622	13.71	240.29	0.0	10000.0
R13HLPPDTA	20787	14.25	298.13	0.0	22000.0
R14HLPPDTA	17059	11.81	206.85	0.0	10500.0
R15HLPPDTA	15630	10.43	211.62	0.0	15411.0
R16HLPPDTA	15669	12.28	278.76	0.0	20000.0
S3HLPPDTA	11912	0.35	23.47	0.0	2400.0
S4HLPPDTA	13953	3.00	68.87	0.0	4346.0
S5HLPPDTA	12710	2.68	74.29	0.0	5072.0
S6HLPPDTA	11625	4.91	127.77	0.0	7200.0
S7HLPPDTA	12950	4.13	95.43	0.0	4160.0
S8HLPPDTA	11713	6.77	173.47	0.0	14000.0
S9HLPPDTA	10629	5.91	178.64	0.0	12960.0
S10HLPPDTA	13488	4.92	115.07	0.0	6760.0
S11HLPPDTA	12457	6.28	164.07	0.0	8640.0
S12HLPPDTA	10982	5.32	143.04	0.0	8300.0
S13HLPPDTA	11754	7.37	222.86	0.0	15000.0

S14HLPPDTA	9338	5.60	146.94	0.0	7800.0
S15HLPPDTA	8457	3.20	71.64	0.0	3000.0
S16HLPPDTA	7819	6.23	190.01	0.0	15000.0

How Constructed

RwHLPPDTN is the total number of helpers the Respondent paid. The question does not specify a time period of payment, but it is only asked about helpers who helped last month. RwHLPPDTA is the total amount the Respondent paid to helpers last month. SwHLPPDTN and SwHLPPDTA provide this information for the Respondent's spouse or partner.

Respondents are asked whether they had any difficulty with several ADLs, IADLs and with managing their finances. If the Respondent indicated they had any difficulty with an ADL, the Respondent is asked if anyone ever helped them with that ADL. At the end of the ADL survey section, the Respondent is asked who helped with ADLs if any help was indicated. In the same manner, the Respondent is also asked who helped with IADLs and who helped with managing their finances. These three lists of helpers are compiled into a helper list and the Respondent is asked about the details of the help each helper provided individually in a separate survey section. A helper may be a spouse, child, child's spouse, grandchild, other relative, other individual, professional, member of an organization, or an employee of an institution. If a helper is an employee of an institution, they are added to the helper list, but the Respondent is not asked about this helper in the helper survey section.

The Respondent is asked if each helper on the helper list was paid, and if so, how much they were paid excluding expenses paid by Medicaid or insurance. Payments could be reported for the last month, day, week or year. These amounts are transformed into a monthly measure if necessary. If a Respondent reported no helpers in the last month, RwHLPPDTN is set to .H=No helpers last month. Employees of institutions are excluded from the payment questions.

The SwHLPPDTN and SwHLPPDTA variables are taken from the Wave "w" spouse's self-reported RwHLPPDTN and RwHLPPDTA variables.

Cross Wave Differences in Original HRS Data

Helper variables are available in all waves except Wave 1 and Wave 2.

HRS Variables Used

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AHEAD 1995:
    D10             HHMEM REL TO IDFM
    D2135A          HELPER RELATIONSHIP COMBINED SOURCE
    D2146           E162.HELPER PAID
    D2148           E164.HELPER $ R PAY
    D2149           E165.HELPER, PER
    D2151           E166.HELPER DK-1
    D6              HHMEM STATUS W2
HRS 1996:
    E10             HHMEM REL TO FAMILY R
    E2120A          HELPER RELATIONSHIP COMBINED SOURCE
    E2130           E162-1. HELPER PAID
    E2132           E164-1. HELPER $ R PAY
    E2133           E165-1. HELPER, PER
    E2135           E166-1. HELPER DK-1
    E2149           E162-2. HELPER-SP PAID
    E2151           E164-2.HELPER-SP $ R PAY
    E2152           E165-2.HELPER-SP, PER
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    E2154           E166-2.HELPER-SP DK-1
    E6              UPDATED HHMEM STATUS
HRS 1998:
    F11             HHMEM REL TO IDFM - UPDATED
    F2639A          HELPER RELATIONSHIP COMBINED SOURCE
    F2649           E162-1. HELPER PAID
    F2651           E164-1. HELPER $ R PAY
    F2652           E165-1. HELPER, PER
    F2654           E166-1. HELPER DK-1
    F2665           E162-2. HELPER PAID
    F2667           E164-2. HELPER $ R PAY
    F2668           E165-2. HELPER, PER
    F2670           E166-2. HELPER DK-1
    F7              HHMEM STATUS
HRS 2000:
    G11             HHMEM REL TO IDFM - UPDATED
    G2947A          HELPER RELATIONSHIP COMBINED SOURCE
    G2957           E162-1. HELPER PAID
    G2959           E164-1. HELPER $ R PAY
    G2960           E165-1. HELPER, PER
    G2962           E166-1. HELPER DK-1
    G2983           E162-2. HELPER PAID
    G2985           E164-2. HELPER $ R PAY
    G2986           E165-2. HELPER, PER
    G2988           E166-2. HELPER DK-1
    G7              HHMEM STATUS - UPDATED
HRS 2002-2022:
    xG069           HELPER RELATIONSHIP
    xG076           HELPER PAID TO HELP
    xG078           AMOUNT R/SP/P PAID HELPER
    xG079           AMOUNT R/SP/P PAID HELPER- PER
    xG080            AMT R/SP/P PAID HELPER- LESS/MORE $100
    xX056_MC        RESIDENCY STATUS-UPDATED
    xX061_MC        RELATIONSHIP TO R-UPDATED
```

ADLs, IADLs, and Finances: Payments to Family and Non-Family Helpers

Wave	Variable	Label	Type
3	R3HLPPDFN	R3HLPPDFN:W3 Number of family helpers paid to help	Categ
4	R4HLPPDFN	R4HLPPDFN:W4 Number of family helpers paid to help	Categ
5	R5HLPPDFN	R5HLPPDFN:W5 Number of family helpers paid to help	Categ
6	R6HLPPDFN	R6HLPPDFN:W6 Number of family helpers paid to help	Categ
7	R7HLPPDFN	R7HLPPDFN:W7 Number of family helpers paid to help	Categ
8	R8HLPPDFN	R8HLPPDFN:W8 Number of family helpers paid to help	Categ
9	R9HLPPDFN	R9HLPPDFN:W9 Number of family helpers paid to help	Categ
10	R10HLPPDFN	R10HLPPDFN:W10 Number of family helpers paid to help	Categ
11	R11HLPPDFN	R11HLPPDFN:W11 Number of family helpers paid to help	Categ
12	R12HLPPDFN	R12HLPPDFN:W12 Number of family helpers paid to help	Categ
13	R13HLPPDFN	R13HLPPDFN:W13 Number of family helpers paid to help	Categ
14	R14HLPPDFN	R14HLPPDFN:W14 Number of family helpers paid to help	Categ
15	R15HLPPDFN	R15HLPPDFN:W15 Number of family helpers paid to help	Categ
16	R16HLPPDFN	R16HLPPDFN:W16 Number of family helpers paid to help	Categ
3	S3HLPPDFN	S3HLPPDFN:W3 Number of family helpers paid to help	Categ
4	S4HLPPDFN	S4HLPPDFN:W4 Number of family helpers paid to help	Categ
5	S5HLPPDFN	S5HLPPDFN:W5 Number of family helpers paid to help	Categ
6	S6HLPPDFN	S6HLPPDFN:W6 Number of family helpers paid to help	Categ
7	S7HLPPDFN	S7HLPPDFN:W7 Number of family helpers paid to help	Categ
8	S8HLPPDFN	S8HLPPDFN:W8 Number of family helpers paid to help	Categ
9	S9HLPPDFN	S9HLPPDFN:W9 Number of family helpers paid to help	Categ
10	S10HLPPDFN	S10HLPPDFN:W10 Number of family helpers paid to help	Categ
11	S11HLPPDFN	S11HLPPDFN:W11 Number of family helpers paid to help	Categ
12	S12HLPPDFN	S12HLPPDFN:W12 Number of family helpers paid to help	Categ
13	S13HLPPDFN	S13HLPPDFN:W13 Number of family helpers paid to help	Categ
14	S14HLPPDFN	S14HLPPDFN:W14 Number of family helpers paid to help	Categ
15	S15HLPPDFN	S15HLPPDFN:W15 Number of family helpers paid to help	Categ
16	S16HLPPDFN	S16HLPPDFN:W16 Number of family helpers paid to help	Categ
3	R3HLPPDFA	R3HLPPDFA:W3 Amount family helpers were paid to help last month	Categ
4	R4HLPPDFA	R4HLPPDFA:W4 Amount family helpers were paid to help last month	Categ
5	R5HLPPDFA	R5HLPPDFA:W5 Amount family helpers were paid to help last month	Categ
6	R6HLPPDFA	R6HLPPDFA:W6 Amount family helpers were paid to help last month	Categ
7	R7HLPPDFA	R7HLPPDFA:W7 Amount family helpers were paid to help last month	Categ
8	R8HLPPDFA	R8HLPPDFA:W8 Amount family helpers were paid to help last month	Categ
9	R9HLPPDFA	R9HLPPDFA:W9 Amount family helpers were paid to help last month	Categ
10	R10HLPPDFA	R10HLPPDFA:W10 Amount family helpers were paid to help last month	Categ
11	R11HLPPDFA	R11HLPPDFA:W11 Amount family helpers were paid to help last month	Categ
12	R12HLPPDFA	R12HLPPDFA:W12 Amount family helpers were paid to help last month	Categ
13	R13HLPPDFA	R13HLPPDFA:W13 Amount family helpers were paid to help last month	Categ
14	R14HLPPDFA	R14HLPPDFA:W14 Amount family helpers were paid to help last month	Categ
15	R15HLPPDFA	R15HLPPDFA:W15 Amount family helpers were paid to help last month	Categ
16	R16HLPPDFA	R16HLPPDFA:W16 Amount family helpers were paid to help last month	Categ
3	S3HLPPDFA	S3HLPPDFA:W3 Amount family helpers were paid to help last month	Categ
4	S4HLPPDFA	S4HLPPDFA:W4 Amount family helpers were paid to help last month	Categ
5	S5HLPPDFA	S5HLPPDFA:W5 Amount family helpers were paid to help last month	Categ
6	S6HLPPDFA	S6HLPPDFA:W6 Amount family helpers were paid to help last month	Categ
7	S7HLPPDFA	S7HLPPDFA:W7 Amount family helpers were paid to help last month	Categ
8	S8HLPPDFA	S8HLPPDFA:W8 Amount family helpers were paid to help last month	Categ
9	S9HLPPDFA	S9HLPPDFA:W9 Amount family helpers were paid to help last month	Categ
10	S10HLPPDFA	S10HLPPDFA:W10 Amount family helpers were paid to help last month	Categ
11	S11HLPPDFA	S11HLPPDFA:W11 Amount family helpers were paid to help last month	Categ
12	S12HLPPDFA	S12HLPPDFA:W12 Amount family helpers were paid to help last month	Categ
13	S13HLPPDFA	S13HLPPDFA:W13 Amount family helpers were paid to help last month	Categ
14	S14HLPPDFA	S14HLPPDFA:W14 Amount family helpers were paid to help last month	Categ
15	S15HLPPDFA	S15HLPPDFA:W15 Amount family helpers were paid to help last month	Categ
16	S16HLPPDFA	S16HLPPDFA:W16 Amount family helpers were paid to help last month	Categ
3	R3HLPPDNFN	R3HLPPDNFN:W3 Number of non-family helpers paid to help	Categ
4	R4HLPPDNFN	R4HLPPDNFN:W4 Number of non-family helpers paid to help	Categ
5	R5HLPPDNFN	R5HLPPDNFN:W5 Number of non-family helpers paid to help	Categ
6	R6HLPPDNFN	R6HLPPDNFN:W6 Number of non-family helpers paid to help	Categ
7	R7HLPPDNFN	R7HLPPDNFN:W7 Number of non-family helpers paid to help	Categ
8	R8HLPPDNFN	R8HLPPDNFN:W8 Number of non-family helpers paid to help	Categ

9	R9HLPPDNFN	R9HLPPDNFN:W9 Number of non-family helpers paid to help	Categ
10	R10HLPPDNFN	R10HLPPDNFN:W10 Number of non-family helpers paid to help	Categ
11	R11HLPPDNFN	R11HLPPDNFN:W11 Number of non-family helpers paid to help	Categ
12	R12HLPPDNFN	R12HLPPDNFN:W12 Number of non-family helpers paid to help	Categ
13	R13HLPPDNFN	R13HLPPDNFN:W13 Number of non-family helpers paid to help	Categ
14	R14HLPPDNFN	R14HLPPDNFN:W14 Number of non-family helpers paid to help	Categ
15	R15HLPPDNFN	R15HLPPDNFN:W15 Number of non-family helpers paid to help	Categ
16	R16HLPPDNFN	R16HLPPDNFN:W16 Number of non-family helpers paid to help	Categ

3	S3HLPPDNFN	S3HLPPDNFN:W3 Number of non-family helpers paid to help	Categ
4	S4HLPPDNFN	S4HLPPDNFN:W4 Number of non-family helpers paid to help	Categ
5	S5HLPPDNFN	S5HLPPDNFN:W5 Number of non-family helpers paid to help	Categ
6	S6HLPPDNFN	S6HLPPDNFN:W6 Number of non-family helpers paid to help	Categ
7	S7HLPPDNFN	S7HLPPDNFN:W7 Number of non-family helpers paid to help	Categ
8	S8HLPPDNFN	S8HLPPDNFN:W8 Number of non-family helpers paid to help	Categ
9	S9HLPPDNFN	S9HLPPDNFN:W9 Number of non-family helpers paid to help	Categ
10	S10HLPPDNFN	S10HLPPDNFN:W10 Number of non-family helpers paid to help	Categ
11	S11HLPPDNFN	S11HLPPDNFN:W11 Number of non-family helpers paid to help	Categ
12	S12HLPPDNFN	S12HLPPDNFN:W12 Number of non-family helpers paid to help	Categ
13	S13HLPPDNFN	S13HLPPDNFN:W13 Number of non-family helpers paid to help	Categ
14	S14HLPPDNFN	S14HLPPDNFN:W14 Number of non-family helpers paid to help	Categ
15	S15HLPPDNFN	S15HLPPDNFN:W15 Number of non-family helpers paid to help	Categ
16	S16HLPPDNFN	S16HLPPDNFN:W16 Number of non-family helpers paid to help	Categ

3	R3HLPPDNFA	R3HLPPDNFA:W3 Amount non-family helpers were paid to help last mont	Categ
4	R4HLPPDNFA	R4HLPPDNFA:W4 Amount non-family helpers were paid to help last mont	Categ
5	R5HLPPDNFA	R5HLPPDNFA:W5 Amount non-family helpers were paid to help last mont	Categ
6	R6HLPPDNFA	R6HLPPDNFA:W6 Amount non-family helpers were paid to help last mont	Categ
7	R7HLPPDNFA	R7HLPPDNFA:W7 Amount non-family helpers were paid to help last mont	Categ
8	R8HLPPDNFA	R8HLPPDNFA:W8 Amount non-family helpers were paid to help last mont	Categ
9	R9HLPPDNFA	R9HLPPDNFA:W9 Amount non-family helpers were paid to help last mont	Categ
10	R10HLPPDNFA	R10HLPPDNFA:W10 Amount non-family helpers were paid to help last mo	Categ
11	R11HLPPDNFA	R11HLPPDNFA:W11 Amount non-family helpers were paid to help last mo	Categ
12	R12HLPPDNFA	R12HLPPDNFA:W12 Amount non-family helpers were paid to help last mo	Categ
13	R13HLPPDNFA	R13HLPPDNFA:W13 Amount non-family helpers were paid to help last mo	Categ
14	R14HLPPDNFA	R14HLPPDNFA:W14 Amount non-family helpers were paid to help last mo	Categ
15	R15HLPPDNFA	R15HLPPDNFA:W15 Amount non-family helpers were paid to help last mo	Categ
16	R16HLPPDNFA	R16HLPPDNFA:W16 Amount non-family helpers were paid to help last mo	Categ

3	S3HLPPDNFA	S3HLPPDNFA:W3 Amount non-family helpers were paid to help last mont	Categ
4	S4HLPPDNFA	S4HLPPDNFA:W4 Amount non-family helpers were paid to help last mont	Categ
5	S5HLPPDNFA	S5HLPPDNFA:W5 Amount non-family helpers were paid to help last mont	Categ
6	S6HLPPDNFA	S6HLPPDNFA:W6 Amount non-family helpers were paid to help last mont	Categ
7	S7HLPPDNFA	S7HLPPDNFA:W7 Amount non-family helpers were paid to help last mont	Categ
8	S8HLPPDNFA	S8HLPPDNFA:W8 Amount non-family helpers were paid to help last mont	Categ
9	S9HLPPDNFA	S9HLPPDNFA:W9 Amount non-family helpers were paid to help last mont	Categ
10	S10HLPPDNFA	S10HLPPDNFA:W10 Amount non-family helpers were paid to help last mo	Categ
11	S11HLPPDNFA	S11HLPPDNFA:W11 Amount non-family helpers were paid to help last mo	Categ
12	S12HLPPDNFA	S12HLPPDNFA:W12 Amount non-family helpers were paid to help last mo	Categ
13	S13HLPPDNFA	S13HLPPDNFA:W13 Amount non-family helpers were paid to help last mo	Categ
14	S14HLPPDNFA	S14HLPPDNFA:W14 Amount non-family helpers were paid to help last mo	Categ
15	S15HLPPDNFA	S15HLPPDNFA:W15 Amount non-family helpers were paid to help last mo	Categ
16	S16HLPPDNFA	S16HLPPDNFA:W16 Amount non-family helpers were paid to help last mo	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3HLPPDFN	390	0.04	0.22	0.0	2.0
R4HLPPDFN	1624	0.06	0.27	0.0	3.0
R5HLPPDFN	2400	0.03	0.19	0.0	2.0
R6HLPPDFN	2355	0.04	0.21	0.0	2.0
R7HLPPDFN	2490	0.04	0.23	0.0	3.0
R8HLPPDFN	2462	0.04	0.22	0.0	2.0
R9HLPPDFN	2290	0.05	0.24	0.0	3.0
R10HLPPDFN	3159	0.06	0.28	0.0	3.0

R11HLPPDFN	2925	0.07	0.29	0.0	4.0
R12HLPPDFN	2836	0.07	0.30	0.0	4.0
R13HLPPDFN	2917	0.08	0.29	0.0	3.0
R14HLPPDFN	2292	0.08	0.31	0.0	3.0
R15HLPPDFN	1978	0.09	0.33	0.0	5.0
R16HLPPDFN	2038	0.11	0.35	0.0	3.0
S3HLPPDFN	175	0.04	0.20	0.0	1.0
S4HLPPDFN	468	0.07	0.26	0.0	2.0
S5HLPPDFN	1283	0.02	0.16	0.0	2.0
S6HLPPDFN	1198	0.03	0.18	0.0	2.0
S7HLPPDFN	1313	0.03	0.20	0.0	2.0
S8HLPPDFN	1284	0.03	0.17	0.0	2.0
S9HLPPDFN	1143	0.02	0.15	0.0	1.0
S10HLPPDFN	1658	0.04	0.21	0.0	3.0
S11HLPPDFN	1524	0.05	0.24	0.0	2.0
S12HLPPDFN	1469	0.06	0.27	0.0	4.0
S13HLPPDFN	1435	0.05	0.25	0.0	3.0
S14HLPPDFN	1138	0.05	0.25	0.0	3.0
S15HLPPDFN	931	0.06	0.34	0.0	5.0
S16HLPPDFN	901	0.07	0.28	0.0	2.0
R3HLPPDFA	17986	0.15	9.09	0.0	800.0
R4HLPPDFA	21355	0.68	20.31	0.0	1173.0
R5HLPPDFA	19561	0.70	23.12	0.0	1800.0
R6HLPPDFA	18156	1.54	63.14	0.0	7200.0
R7HLPPDFA	20103	1.36	44.17	0.0	2800.0
R8HLPPDFA	18449	1.02	32.67	0.0	2600.0
R9HLPPDFA	17199	1.18	35.08	0.0	2500.0
R10HLPPDFA	22003	1.74	47.74	0.0	4040.0
R11HLPPDFA	20510	1.74	47.32	0.0	2700.0
R12HLPPDFA	18706	1.98	50.52	0.0	3000.0
R13HLPPDFA	20872	2.34	66.47	0.0	5000.0
R14HLPPDFA	17118	1.60	38.42	0.0	2000.0
R15HLPPDFA	15694	1.89	43.43	0.0	2173.0
R16HLPPDFA	15757	2.42	62.52	0.0	4800.0
S3HLPPDFA	11913	0.06	6.42	0.0	700.0
S4HLPPDFA	13975	0.48	18.73	0.0	1173.0
S5HLPPDFA	12727	0.28	15.70	0.0	1269.0
S6HLPPDFA	11639	1.28	70.98	0.0	7200.0
S7HLPPDFA	12966	1.07	42.12	0.0	2800.0
S8HLPPDFA	11731	0.32	13.55	0.0	1000.0
S9HLPPDFA	10644	0.24	10.09	0.0	800.0
S10HLPPDFA	13507	0.75	29.04	0.0	2000.0
S11HLPPDFA	12474	0.52	15.86	0.0	1200.0
S12HLPPDFA	10999	1.17	38.22	0.0	3000.0
S13HLPPDFA	11768	0.94	51.00	0.0	5000.0
S14HLPPDFA	9354	1.01	34.79	0.0	2000.0
S15HLPPDFA	8472	1.09	34.19	0.0	2173.0
S16HLPPDFA	7835	0.81	19.32	0.0	1000.0
R3HLPPDNFN	113	0.57	0.67	0.0	3.0
R4HLPPDNFN	670	0.78	0.66	0.0	4.0
R5HLPPDNFN	552	0.76	0.62	0.0	4.0
R6HLPPDNFN	529	0.78	0.61	0.0	3.0
R7HLPPDNFN	540	0.76	0.65	0.0	4.0
R8HLPPDNFN	543	0.79	0.63	0.0	4.0
R9HLPPDNFN	537	0.82	0.74	0.0	7.0

R10HLPPDNFN	713	0.80	0.72	0.0	4.0
R11HLPPDNFN	649	0.86	0.73	0.0	5.0
R12HLPPDNFN	662	0.82	0.83	0.0	5.0
R13HLPPDNFN	665	0.85	0.78	0.0	5.0
R14HLPPDNFN	537	0.85	0.73	0.0	6.0
R15HLPPDNFN	423	0.78	0.69	0.0	4.0
R16HLPPDNFN	445	0.78	0.69	0.0	4.0
S3HLPPDNFN	35	0.57	0.78	0.0	3.0
S4HLPPDNFN	184	0.83	0.64	0.0	3.0
S5HLPPDNFN	130	0.81	0.60	0.0	4.0
S6HLPPDNFN	126	0.87	0.57	0.0	2.0
S7HLPPDNFN	142	0.80	0.68	0.0	4.0
S8HLPPDNFN	144	0.84	0.63	0.0	4.0
S9HLPPDNFN	123	0.76	0.62	0.0	3.0
S10HLPPDNFN	164	0.80	0.73	0.0	4.0
S11HLPPDNFN	155	0.89	0.62	0.0	3.0
S12HLPPDNFN	143	0.81	0.90	0.0	5.0
S13HLPPDNFN	155	0.93	0.79	0.0	5.0
S14HLPPDNFN	140	0.96	0.80	0.0	6.0
S15HLPPDNFN	87	0.86	0.49	0.0	2.0
S16HLPPDNFN	78	0.81	0.60	0.0	2.0
R3HLPPDNFA	17982	0.36	20.27	0.0	2400.0
R4HLPPDNFA	21305	6.86	140.68	0.0	11000.0
R5HLPPDNFA	19502	7.28	155.34	0.0	14880.0
R6HLPPDNFA	17709	8.35	163.26	0.0	9000.0
R7HLPPDNFA	19671	6.69	126.06	0.0	5100.0
R8HLPPDNFA	18028	8.61	143.47	0.0	5000.0
R9HLPPDNFA	16791	12.11	241.11	0.0	13000.0
R10HLPPDNFA	21555	11.10	210.46	0.0	10800.0
R11HLPPDNFA	20079	12.51	240.83	0.0	11072.0
R12HLPPDNFA	18331	11.54	233.41	0.0	10000.0
R13HLPPDNFA	20511	12.48	293.91	0.0	22000.0
R14HLPPDNFA	16873	10.34	202.87	0.0	10500.0
R15HLPPDNFA	15501	7.92	198.39	0.0	15411.0
R16HLPPDNFA	15523	9.99	271.68	0.0	20000.0
S3HLPPDNFA	11916	0.28	22.57	0.0	2400.0
S4HLPPDNFA	13957	2.52	66.27	0.0	4346.0
S5HLPPDNFA	12713	2.66	77.17	0.0	5072.0
S6HLPPDNFA	11557	3.04	77.20	0.0	3700.0
S7HLPPDNFA	12890	3.07	77.89	0.0	4100.0
S8HLPPDNFA	11641	5.08	113.62	0.0	5000.0
S9HLPPDNFA	10568	5.70	178.87	0.0	12960.0
S10HLPPDNFA	13395	3.95	109.80	0.0	6760.0
S11HLPPDNFA	12392	5.74	163.35	0.0	8640.0
S12HLPPDNFA	10935	4.17	138.14	0.0	8300.0
S13HLPPDNFA	11698	6.39	213.35	0.0	15000.0
S14HLPPDNFA	9302	4.61	142.23	0.0	7800.0
S15HLPPDNFA	8432	2.02	58.85	0.0	3000.0
S16HLPPDNFA	7793	5.43	189.35	0.0	15000.0

How Constructed

RwHLPPDFN is the number of family helpers the Respondent paid. RwHLPPDNFN is the number of non-family helpers the Respondent paid. The question does not specify a time period of payment, but it is only asked about helpers who helped last month. RwHLPPDFA is the amount the Respondent paid to family helpers last month. RwHLPPDNFA is the amount the Respondent paid to non-family helpers last month. SwHLPPDFN, SwHLPPDNFN, SwHLPPDFA, and SwHLPPDNFA provide this information for the Respondent's spouse or partner.

Respondents are asked whether they had any difficulty with several ADLs, IADLs and with managing their finances. If the Respondent indicated they had any difficulty with an ADL, the Respondent is asked if anyone ever helped them with that ADL. At the end of the ADL survey section, the Respondent is asked who helped with ADLs if any help was indicated. In the same manner, the Respondent is also asked who helped with IADLs and who helped with managing their finances. These three lists of helpers are compiled into a helper list and the Respondent is asked about the details of the help each helper provided individually in a separate survey section. A helper may be a spouse, child, child's spouse, grandchild, other relative, other individual, professional, member of an organization, or an employee of an institution. If a helper is an employee of an institution, they are added to the helper list, but the Respondent is not asked about this helper in the helper survey section.

The Respondent is asked if each helper on the helper list was paid, and if so, how much they were paid excluding expenses paid by Medicaid or insurance. Payments could be reported for the last month, day, week or year. These amounts are transformed into a monthly measure if necessary. If a Respondent reported no helpers in the last month, RwHLPPDFN and RwHLPPDNFN are set to .H=No helpers last month. Employees of institutions are excluded from the payment questions as are spouses, who are assumed to be unpaid.

The SwHLPPDFN, SwHLPPDFA, SwHLPPDNFN and SwHLPPDNFA variables are taken from the Wave "w" spouse's self-reported RwHLPPDFN, RwHLPPDFA, RwHLPPDNFN and RwHLPPDNFA variables.

Cross Wave Differences in Original HRS Data

Helper variables are available in all waves except Wave 1 and Wave 2.

HRS Variables Used

```
AHEAD 1995:
    D10             HHMEM REL TO IDFM
    D2135A          HELPER RELATIONSHIP COMBINED SOURCE
    D2146           E162.HELPER PAID
    D2148           E164.HELPER $ R PAY
    D2149           E165.HELPER, PER
    D2151           E166.HELPER DK-1
    D6              HHMEM STATUS W2
HRS 1996:
    E10             HHMEM REL TO FAMILY R
    E2120A          HELPER RELATIONSHIP COMBINED SOURCE
    E2130           E162-1. HELPER PAID
    E2132           E164-1. HELPER $ R PAY
    E2133           E165-1. HELPER, PER
    E2135           E166-1. HELPER DK-1
    E2149           E162-2. HELPER-SP PAID
    E2151           E164-2.HELPER-SP $ R PAY
    E2152           E165-2.HELPER-SP, PER
    E2154           E166-2.HELPER-SP DK-1
    E6              UPDATED HHMEM STATUS
HRS 1998:
    F11             HHMEM REL TO IDFM - UPDATED
```

```
    F2639A          HELPER RELATIONSHIP COMBINED SOURCE
    F2649           E162-1. HELPER PAID
    F2651           E164-1. HELPER $ R PAY
    F2652           E165-1. HELPER, PER
    F2654           E166-1. HELPER DK-1
    F2665           E162-2. HELPER PAID
    F2667           E164-2. HELPER $ R PAY
    F2668           E165-2. HELPER, PER
    F2670           E166-2. HELPER DK-1
    F7              HHMEM STATUS
HRS 2000:
    G11             HHMEM REL TO IDFM - UPDATED
    G2947A          HELPER RELATIONSHIP COMBINED SOURCE
    G2957           E162-1. HELPER PAID
    G2959           E164-1. HELPER $ R PAY
    G2960           E165-1. HELPER, PER
    G2962           E166-1. HELPER DK-1
    G2983           E162-2. HELPER PAID
    G2985           E164-2. HELPER $ R PAY
    G2986           E165-2. HELPER, PER
    G2988           E166-2. HELPER DK-1
    G7              HHMEM STATUS - UPDATED
HRS 2002-2022:
    xG069           HELPER RELATIONSHIP
    xG076           HELPER PAID TO HELP
    xG078           AMOUNT R/SP/P PAID HELPER
    xG079           AMOUNT R/SP/P PAID HELPER- PER
    xG080            AMT R/SP/P PAID HELPER- LESS/MORE $100
    xX056_MC        RESIDENCY STATUS-UPDATED
    xX061_MC        RELATIONSHIP TO R-UPDATED
```

Section H: Financial and Housing Wealth

Net value of real estate (not primary residence)

Wave	Variable	Label	Type
1	H1ARLES	H1ARLES:W1 Assets:Other Real estate--Cross-wave	Cont
2	H2ARLES	H2ARLES:W2 Assets:Other Real estate--Cross-wave	Cont
3	H3ARLES	H3ARLES:W3 Assets:Other Real estate--Cross-wave	Cont
4	H4ARLES	H4ARLES:W4 Assets:Other Real estate--Cross-wave	Cont
5	H5ARLES	H5ARLES:W5 Assets:Other Real estate--Cross-wave	Cont
6	H6ARLES	H6ARLES:W6 Assets:Other Real estate--Cross-wave	Cont
7	H7ARLES	H7ARLES:W7 Assets:Other Real estate--Cross-wave	Cont
8	H8ARLES	H8ARLES:W8 Assets:Other Real estate--Cross-wave	Cont
9	H9ARLES	H9ARLES:W9 Assets:Other Real estate--Cross-wave	Cont
10	H10ARLES	H10ARLES:W10 Assets:Other Real estate--Cross-wave	Cont
11	H11ARLES	H11ARLES:W11 Assets:Other Real estate--Cross-wave	Cont
12	H12ARLES	H12ARLES:W12 Assets:Other Real estate--Cross-wave	Cont
13	H13ARLES	H13ARLES:W13 Assets:Other Real estate--Cross-wave	Cont
14	H14ARLES	H14ARLES:W14 Assets:Other Real estate--Cross-wave	Cont
15	H15ARLES	H15ARLES:W15 Assets:Other Real estate--Cross-wave	Cont
16	H16ARLES	H16ARLES:W16 Assets:Other Real estate--Cross-wave	Cont
1	H1AFRLES	H1AFRLES:W1 Assets Flag:Other Real estate--Cross-wave	Categ
2	H2AFRLES	H2AFRLES:W2 Assets Flag:Other Real estate--Cross-wave	Categ
3	H3AFRLES	H3AFRLES:W3 Assets Flag:Other Real estate--Cross-wave	Categ
4	H4AFRLES	H4AFRLES:W4 Assets Flag:Other Real estate--Cross-wave	Categ
5	H5AFRLES	H5AFRLES:W5 Assets Flag:Other Real estate--Cross-wave	Categ
6	H6AFRLES	H6AFRLES:W6 Assets Flag:Other Real estate--Cross-wave	Categ
7	H7AFRLES	H7AFRLES:W7 Assets Flag:Other Real estate--Cross-wave	Categ
8	H8AFRLES	H8AFRLES:W8 Assets Flag:Other Real estate--Cross-wave	Categ
9	H9AFRLES	H9AFRLES:W9 Assets Flag:Other Real estate--Cross-wave	Categ
10	H10AFRLES	H10AFRLES:W10 Assets Flag:Other Real estate--Cross-wave	Categ
11	H11AFRLES	H11AFRLES:W11 Assets Flag:Other Real estate--Cross-wave	Categ
12	H12AFRLES	H12AFRLES:W12 Assets Flag:Other Real estate--Cross-wave	Categ
13	H13AFRLES	H13AFRLES:W13 Assets Flag:Other Real estate--Cross-wave	Categ
14	H14AFRLES	H14AFRLES:W14 Assets Flag:Other Real estate--Cross-wave	Categ
15	H15AFRLES	H15AFRLES:W15 Assets Flag:Other Real estate--Cross-wave	Categ
16	H16AFRLES	H16AFRLES:W16 Assets Flag:Other Real estate--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ARLES	12652	33845.11	154142.45	-20000.0	4500000.0
H2ARLES	19642	30284.95	146250.46	-727005.0	5000000.0
H3ARLES	17991	36612.55	179731.63	0.0	6000000.0
H4ARLES	21384	35149.72	213722.35	0.0	10000000.0
H5ARLES	19578	38655.53	299267.46	0.0	20000000.0
H6ARLES	18165	40631.79	326258.78	0.0	25000000.0
H7ARLES	20129	44550.99	294007.27	0.0	15000000.0
H8ARLES	18469	54647.36	314746.05	0.0	10000000.0
H9ARLES	17217	60129.29	483273.44	0.0	35000000.0
H10ARLES	22034	38483.14	273841.20	-60000.0	10000000.0
H11ARLES	20554	34805.45	270938.29	0.0	20000000.0
H12ARLES	18747	42685.29	426664.58	-10000.0	40000000.0
H13ARLES	20912	46131.16	349107.17	-10000.0	23000000.0
H14ARLES	17146	46893.31	353341.87	0.0	14100000.0
H15ARLES	15723	51333.37	356209.67	0.0	14000000.0
H16ARLES	15787	54684.39	423718.14	0.0	18000000.0
H1AFRLES	12652	4.90	2.05	1.0	9.0
H2AFRLES	19642	4.95	2.05	1.0	9.0

H3AFRLES	17991	5.01	2.00	1.0	9.0
H4AFRLES	21384	5.19	1.86	1.0	9.0
H5AFRLES	19578	5.18	1.85	1.0	9.0
H6AFRLES	18165	5.24	1.79	1.0	9.0
H7AFRLES	20129	5.29	1.74	1.0	9.0
H8AFRLES	18469	5.31	1.72	1.0	9.0
H9AFRLES	17217	5.36	1.67	1.0	9.0
H10AFRLES	22034	5.45	1.68	1.0	9.0
H11AFRLES	20554	5.43	1.64	1.0	9.0
H12AFRLES	18747	5.43	1.66	1.0	9.0
H13AFRLES	20912	5.50	1.63	1.0	9.0
H14AFRLES	17146	5.55	1.60	1.0	9.0
H15AFRLES	15723	5.59	1.59	1.0	9.0
H16AFRLES	15787	5.62	1.55	1.0	9.0

Categorical Variable Codes

HwAFRLES: Assets Flag:Other Real estate--Cross-wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	2352	3521	3086	2989	2787	2480	2508	2263	1948	2369
2.Complete bracket	464	865	669	659	548	365	432	370	326	336
3.Incomplete bracket	39	48	39	71	61	35	47	42	37	38
4.Range card bracket	186									
5.No value/bracket	98	148	122	187	177	191	203	179	154	159
6.No asset	9361	14704	13840	17140	15764	14919	16724	15451	14557	18527
7.DK ownership	57	179	109	167	117	130	128	101	121	208
9.No Fin resp	95	177	126	171	124	45	87	63	74	397

Value	w11	w12	w13	w14	w15	w16
1.Continuous value	2198	2072	2131	1625	1426	1338
2.Complete bracket	293	234	227	179	155	151
3.Incomplete bracket	39	31	23	41	22	30
4.Range card bracket						
5.No value/bracket	148	134	124	103	101	81
6.No asset	17559	15907	17827	14657	13437	13579
7.DK ownership	148	173	207	156	154	178
9.No Fin resp	169	196	373	385	428	430

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The reported or imputed net value of real estate is assigned to HwARLES. The HwAFRLES variable indicates whether the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

In Wave 2A, ownership of a second home is asked about within the context of real estate investments. Therefore, H2ARLES is corrected by subtracting the net value of the second home. See the "Net value of secondary residence" section for more information.

Cross Wave Differences in Original HRS Data

The net value of real estate, besides the primary residence, is asked in each wave. The question wording is similar in all waves, but the unfolding bracket questions vary. Two questions reveal whether the Respondent owns any real estate and if so, the value of it:

In Wave 2A, the questions ask:

a) "Do you (or your (husband/wife/partner)) have any real estate (other than your main home), such as land, a second home, rental real estate, a partnership, or money owed to you on a land contract or mortgage?"

b) "If you sold all that and then paid off any debts on it, about how much would you get?"

In Wave 1 and from Wave 3 to Wave 5, the questions ask:

a) "Do you (or your (husband/wife/partner)) have any real estate (other than your main home / second home), such as land, rental real estate, a partnership, or money owed to you on a land contract or mortgage?"

b) "If you sold all that and then paid off any debts on it, about how much would you get?"

From Wave 6 forward, "a partnership" is removed from the first question, and a qualifying statement is added, which says "Please do not include business or farm real estate.":

a) "Do you (or your (husband/wife/partner)) have any real estate (other than your main home / second home), such as land, rental real estate, or money owed to you on a land contract or mortgage? Please do not include business or farm real estate."

b) "If you sold all that and then paid off any debts on it, about how much would you get?"

If the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

```
HRS 1992:
    V15201          M2:OTHER REAL ESTATE:IND
    V15202          M3:$VAL OF THIS PROP:IND
    V5201           M2:OTHER REAL ESTATE:IMP
    V5202           M3:$VAL OF THIS PROP:IMP
    V5203           M3: ORIGINAL BRACKETS
AHEAD 1993:
    B1720           K2. REAL ESTATE: ANY
    B1720F          FLAG: K2. REAL ESTATE: ANY
    B1720H          HOLD: K2. REAL ESTATE: ANY
    B1721           K3. REAL ESTATE: NET VALUE
    B1721C          CATEG: K3. REAL ESTATE: NET VALUE
    B1721F          FLAG: K3. REAL ESTATE: NET VALUE
    B1721X          IMP: K3. REAL ESTATE: NET VALUE
```

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HRS 1994:
    W15500          K2. Imputation Indicator
    W15501          K3. Imputation Indicator
    W5500           K2.REAL ESTATE
    W5501           K3.VALUE OF REAL ESTATE
    W5502           K3a-K3d. Brackets
AHEAD 1995:
    D3964           J14.REAL ESTATE
    D3965           J15.REAL ESTATE $
    D3969B          J15.REAL ESTATE $/Bkt
HRS 1996:
    E4070           J76.REAL ESTATE
    E4071           J77.REAL ESTATE $
    E4072B          J77.REAL ESTATE $/Bkt
HRS 1998:
    F4830           J76.REAL ESTATE
    F4831           J77.REAL ESTATE $
    F4832B          J77.(J15)REAL ESTATE $-Bkt
HRS 2000:
    G5275           J76.REAL ESTATE
    G5276           J77.REAL ESTATE $
    G5277           J77A1.DK-2500
    G5278           J77B1.DK-125K
    G5279           J77C1.DK-500K
    G5280           J77D1.DK-1 MIL
    G5281           J77E1.DK-125K
    G5282           J77F1.DK-2500
HRS 2002:
    TYPASST         TYPE OF ASSETS
HRS 2002:
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
HRS 2004:
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
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    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2002-2022:
    xQ133           REAL ESTATE ASSET
    xQ134           REAL ESTATE ASSET AMT
    xQ135           REAL ESTATE ASSET AMT - MIN
    xQ136           REAL ESTATE ASSET AMT - MAX
    xQ137           REAL ESTATE ASSET AMT - RESULT
HRS 2006-2020:
    xU001_11        ASSET RECONCILIATION-REAL ESTATE
    xU002_11        ASSET RECON WHICH WRONG-REAL ESTATE
    xU003_11A       ASSET RECON HOW MUCH -A-REAL ESTATE
    xU003_11B       ASSET RECON HOW MUCH-B-REAL ESTATE
    xU004_11A       ASSET RECON -MIN-A-REAL ESTATE
    xU004_11B       ASSET RECON-MIN-B-REAL ESTATE
    xU005_11A       ASSET RECON -MAX-A -REAL ESTATE
    xU005_11B       ASSET RECON-MAX-B -REAL ESTATE
    xU006_11A       ASSET RECON - RESULT-A-REAL ESTATE
    xU006_11B       ASSET RECON- RESULT-B-REAL ESTATE
    xU022_11A       WHICH WAVE WRONG-A-REAL ESTATE
    xU022_11B       WHICH WAVE WRONG-B-REAL ESTATE
```

Net value of vehicles

Wave	Variable	Label	Type
1	H1ATRAN	H1ATRAN:W1 Assets:Transportation--Cross-wave	Cont
2	H2ATRAN	H2ATRAN:W2 Assets:Transportation--Cross-wave	Cont
3	H3ATRAN	H3ATRAN:W3 Assets:Transportation--Cross-wave	Cont
4	H4ATRAN	H4ATRAN:W4 Assets:Transportation--Cross-wave	Cont
5	H5ATRAN	H5ATRAN:W5 Assets:Transportation--Cross-wave	Cont
6	H6ATRAN	H6ATRAN:W6 Assets:Transportation--Cross-wave	Cont
7	H7ATRAN	H7ATRAN:W7 Assets:Transportation--Cross-wave	Cont
8	H8ATRAN	H8ATRAN:W8 Assets:Transportation--Cross-wave	Cont
9	H9ATRAN	H9ATRAN:W9 Assets:Transportation--Cross-wave	Cont
10	H10ATRAN	H10ATRAN:W10 Assets:Transportation--Cross-wave	Cont
11	H11ATRAN	H11ATRAN:W11 Assets:Transportation--Cross-wave	Cont
12	H12ATRAN	H12ATRAN:W12 Assets:Transportation--Cross-wave	Cont
13	H13ATRAN	H13ATRAN:W13 Assets:Transportation--Cross-wave	Cont
14	H14ATRAN	H14ATRAN:W14 Assets:Transportation--Cross-wave	Cont
15	H15ATRAN	H15ATRAN:W15 Assets:Transportation--Cross-wave	Cont
16	H16ATRAN	H16ATRAN:W16 Assets:Transportation--Cross-wave	Cont
1	H1AFTRAN	H1AFTRAN:W1 Assets Flag:Transportation--Cross-wave	Categ
2	H2AFTRAN	H2AFTRAN:W2 Assets Flag:Transportation--Cross-wave	Categ
3	H3AFTRAN	H3AFTRAN:W3 Assets Flag:Transportation--Cross-wave	Categ
4	H4AFTRAN	H4AFTRAN:W4 Assets Flag:Transportation--Cross-wave	Categ
5	H5AFTRAN	H5AFTRAN:W5 Assets Flag:Transportation--Cross-wave	Categ
6	H6AFTRAN	H6AFTRAN:W6 Assets Flag:Transportation--Cross-wave	Categ
7	H7AFTRAN	H7AFTRAN:W7 Assets Flag:Transportation--Cross-wave	Categ
8	H8AFTRAN	H8AFTRAN:W8 Assets Flag:Transportation--Cross-wave	Categ
9	H9AFTRAN	H9AFTRAN:W9 Assets Flag:Transportation--Cross-wave	Categ
10	H10AFTRAN	H10AFTRAN:W10 Assets Flag:Transportation--Cross-wave	Categ
11	H11AFTRAN	H11AFTRAN:W11 Assets Flag:Transportation--Cross-wave	Categ
12	H12AFTRAN	H12AFTRAN:W12 Assets Flag:Transportation--Cross-wave	Categ
13	H13AFTRAN	H13AFTRAN:W13 Assets Flag:Transportation--Cross-wave	Categ
14	H14AFTRAN	H14AFTRAN:W14 Assets Flag:Transportation--Cross-wave	Categ
15	H15AFTRAN	H15AFTRAN:W15 Assets Flag:Transportation--Cross-wave	Categ
16	H16AFTRAN	H16AFTRAN:W16 Assets Flag:Transportation--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATRAN	12652	12943.17	45059.90	0.0	3000000.0
H2ATRAN	19642	11495.38	34186.75	0.0	2000000.0
H3ATRAN	17991	11335.54	16091.21	0.0	300000.0
H4ATRAN	21384	12888.68	31710.77	0.0	3500000.0
H5ATRAN	19578	13383.48	34351.64	0.0	3500000.0
H6ATRAN	18165	14167.63	39460.13	0.0	4445000.0
H7ATRAN	20129	14483.36	33077.61	0.0	3500000.0
H8ATRAN	18469	15648.91	64071.27	0.0	8100000.0
H9ATRAN	17217	15086.78	25943.05	0.0	775000.0
H10ATRAN	22034	14026.96	43035.67	0.0	5000000.0
H11ATRAN	20554	14411.59	34859.76	0.0	3500000.0
H12ATRAN	18747	14743.53	42286.39	0.0	4700000.0
H13ATRAN	20912	15165.93	27395.66	0.0	750000.0
H14ATRAN	17146	18184.41	292457.16	0.0	27000000.0
H15ATRAN	15723	15961.55	26131.74	0.0	750000.0
H16ATRAN	15787	20165.05	59430.91	0.0	4000000.0
H1AFTRAN	12652	1.80	1.77	1.0	9.0
H2AFTRAN	19642	2.04	2.00	1.0	9.0
H3AFTRAN	17991	2.32	2.08	1.0	9.0

H4AFTRAN	21384	2.14	1.99	1.0	9.0
H5AFTRAN	19578	2.12	1.97	1.0	9.0
H6AFTRAN	18165	2.14	1.95	1.0	9.0
H7AFTRAN	20129	2.10	1.94	1.0	9.0
H8AFTRAN	18469	2.04	1.90	1.0	9.0
H9AFTRAN	17217	2.09	1.94	1.0	9.0
H10AFTRAN	22034	2.28	2.18	1.0	9.0
H11AFTRAN	20554	2.23	2.10	1.0	9.0
H12AFTRAN	18747	2.28	2.15	1.0	9.0
H13AFTRAN	20912	2.45	2.28	1.0	9.0
H14AFTRAN	17146	2.52	2.34	1.0	9.0
H15AFTRAN	15723	2.64	2.41	1.0	9.0
H16AFTRAN	15787	2.64	2.40	1.0	9.0

Categorical Variable Codes

HwAFTRAN: Assets Flag:Transportation--Cross-wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	9767	13984	11635	14106	13124	12039	13657	12764	11785	15023
2.Complete bracket	1018	2105	1741	2975	2532	2318	2406	2169	1970	1753
3.Incomplete bracket	41	55	53	91	85	105	116	107	128	169
4.Range card bracket	335									
5.No value/bracket			1366	439	480	606	667	490	454	521
6.No asset	1174	3032	3014	3485	3166	2991	3136	2834	2762	4075
7.DK ownership	222	289	56	117	67	61	60	42	44	96
9.No Fin resp	95	177	126	171	124	45	87	63	74	397

Value	w11	w12	w13	w14	w15	w16
1.Continuous value	14180	12833	13727	11175	9931	9884
2.Complete bracket	1550	1373	1503	1054	987	1075
3.Incomplete bracket	153	101	105	158	90	115
4.Range card bracket						
5.No value/bracket	476	454	490	421	367	385
6.No asset	3949	3709	4632	3850	3812	3814
7.DK ownership	77	81	82	103	108	84
9.No Fin resp	169	196	373	385	428	430

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The reported or imputed net value of vehicles is assigned to HwATRAN. The HwAFTRAN variable indicates whether the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

In Waves 1 and 2, ownership is based on whether a value is provided, since there is no direct question about ownership. However, we also look at responses to the bracket questions. Those who did not provide any bracket information are set to "DK ownership."

Users should note the following outlier:

HHIDPN: 76856020 reported having transportation assets (QQ371) worth $27,000,000 in Wave 14. The accuracy of this amount has been confirmed by HRS.

Cross Wave Differences in Original HRS Data

The net value of vehicles in Wave 1 is based solely on the value of vehicles other than recreational vehicles. To include the value of recreational vehicles, please use H1WTRN2 from the cross-sectional imputations, which is available in the RAND HRS Detailed Imputations File.

The questions for Wave 1 are as follows:

From Section D:

a) "Do you own a recreational vehicle or motor home?"

b) "About how much is it worth, subtracting any money owed on it?"

From Section M:

a) "What about the value of what you (or your (husband/wife/partner)) own wheels (other than the motor home we've already talked about), like cars, trucks, a trailer, a boat, or an airplane - what are they worth altogether, minus anything you still owe on them?"

From Wave 2 forward, the recreational vehicle question is dropped from the Housing section and instead included in the Net Worth section question. Only the value of vehicles from Net Worth section question is used to create HwATRAN.

The question appears as the following:

a) "Do you (or your (husband/wife/partner)) own anything for transportation, like cars, trucks, a trailer, a motor home, a boat, or an airplane?"

b) "What are they worth altogether, minus anything you still owe on them?"

In all waves if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

```
HRS 1992:
    V10838          D50:91-R1-OWNRCMOTRH:IND
    V10839          D50A:MOTOR_HOME_VALU:IND
    V15205          M4:$VAL VEHICLES OWN:IND
    V5205           M4:$VAL VEHICLES OWN:IMP
    V5206           M4: ORIGINAL BRACKETS
    V838            D50:OWN RC OR MOTOR :IMP
    V839            D50A:VALUE:$        :IMP
AHEAD 1993:
    B1725           K4. TRANSPORTATION: NET VALUE
    B1725C          CATEG: K4. TRANSPORTATION: NET VALUE
```

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HRS 1994:
    W15503          K4. Imputation Indicator
    W5503           K4.VALUE OF TRANSPORTATI
    W5504           K4a-K4c. Brackets
AHEAD 1995:
    D4499           J51. TRANSPORTATION
    D4500           J51A. TRANSPORTATION
    D4502B          J51A. TRANSPORTATION/Bkt
HRS 1996:
    E4500           J237.TRANSPORTATION
    E4501           J238.TRANSPORTATION
    E4502B          J238.TRANSPORTATION/Bkt
HRS 1998:
    F5260           J237.TRANSPORTATION
    F5261           J238.TRANSPORTATION
    F5262B          J238.(J51A)TRANSPORTATION-Bkt
HRS 2000:
    G5681           J237.TRANSPORTATION
    G5682           J238.TRANSPORTATION
    G5683           J238A. DK-5K
    G5684           J238Y1A. DK-25000
    G5685           J238B. DK-200000
    G5686           J238Y1B. DK-25000
    G5687           J238D. DK-5000
HRS 2002:
    TYPASST         TYPE OF ASSETS
HRS 2002:
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
HRS 2004:
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
```

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    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2002-2022:
    xQ370           TRANSPORTATION
    xQ371           TRANSPORTATION TOTAL VALUE
    xQ372           TRANSPORTATION TOTAL VALUE - MIN
    xQ373           TRANSPORTATION TOTAL VALUE - MAX
    xQ374           TRANSPORTATION TOTAL VALUE - RESULT
HRS 2006-2020:
    xU001_4         ASSET RECONCILIATION-TRANSPORTATION
    xU002_4         ASSET RECON WHICH WRONG-TRANSPORTATION
    xU003_4A        ASSET RECON HOW MUCH -A-TRANSPORTATION
    xU003_4B        ASSET RECONHOW MUCH-B-TRANSPORTATION
    xU004_4A        ASSET RECON -MIN-A-TRANSPORTATION
    xU004_4B        ASSET RECON -MIN-B-TRANSPORTATION
    xU005_4A        ASSET RECON -MAX-A -TRANSPORTATION
    xU005_4B        ASSET RECON -MAX-B -TRANSPORTATION
    xU006_4A        ASSET RECON - RESULT-A-TRANSPORTATION
    xU006_4B        ASSET RECON- RESULT-B-TRANSPORTATION
    xU022_4A        WHICH WAVE WRONG-A-TRANSPORTATION
    xU022_4B        WHICH WAVE WRONG-B-TRANSPORTATION
```

Net value of businesses

Wave	Variable	Label	Type
1	H1ABSNS	H1ABSNS:W1 Assets:Business--Cross-wave	Cont
2	H2ABSNS	H2ABSNS:W2 Assets:Business--Cross-wave	Cont
3	H3ABSNS	H3ABSNS:W3 Assets:Business--Cross-wave	Cont
4	H4ABSNS	H4ABSNS:W4 Assets:Business--Cross-wave	Cont
5	H5ABSNS	H5ABSNS:W5 Assets:Business--Cross-wave	Cont
6	H6ABSNS	H6ABSNS:W6 Assets:Business--Cross-wave	Cont
7	H7ABSNS	H7ABSNS:W7 Assets:Business--Cross-wave	Cont
8	H8ABSNS	H8ABSNS:W8 Assets:Business--Cross-wave	Cont
9	H9ABSNS	H9ABSNS:W9 Assets:Business--Cross-wave	Cont
10	H10ABSNS	H10ABSNS:W10 Assets:Business--Cross-wave	Cont
11	H11ABSNS	H11ABSNS:W11 Assets:Business--Cross-wave	Cont
12	H12ABSNS	H12ABSNS:W12 Assets:Business--Cross-wave	Cont
13	H13ABSNS	H13ABSNS:W13 Assets:Business--Cross-wave	Cont
14	H14ABSNS	H14ABSNS:W14 Assets:Business--Cross-wave	Cont
15	H15ABSNS	H15ABSNS:W15 Assets:Business--Cross-wave	Cont
16	H16ABSNS	H16ABSNS:W16 Assets:Business--Cross-wave	Cont
1	H1AFBSNS	H1AFBSNS:W1 Assets Flag:Business--Cross-wave	Categ
2	H2AFBSNS	H2AFBSNS:W2 Assets Flag:Business--Cross-wave	Categ
3	H3AFBSNS	H3AFBSNS:W3 Assets Flag:Business--Cross-wave	Categ
4	H4AFBSNS	H4AFBSNS:W4 Assets Flag:Business--Cross-wave	Categ
5	H5AFBSNS	H5AFBSNS:W5 Assets Flag:Business--Cross-wave	Categ
6	H6AFBSNS	H6AFBSNS:W6 Assets Flag:Business--Cross-wave	Categ
7	H7AFBSNS	H7AFBSNS:W7 Assets Flag:Business--Cross-wave	Categ
8	H8AFBSNS	H8AFBSNS:W8 Assets Flag:Business--Cross-wave	Categ
9	H9AFBSNS	H9AFBSNS:W9 Assets Flag:Business--Cross-wave	Categ
10	H10AFBSNS	H10AFBSNS:W10 Assets Flag:Business--Cross-wave	Categ
11	H11AFBSNS	H11AFBSNS:W11 Assets Flag:Business--Cross-wave	Categ
12	H12AFBSNS	H12AFBSNS:W12 Assets Flag:Business--Cross-wave	Categ
13	H13AFBSNS	H13AFBSNS:W13 Assets Flag:Business--Cross-wave	Categ
14	H14AFBSNS	H14AFBSNS:W14 Assets Flag:Business--Cross-wave	Categ
15	H15AFBSNS	H15AFBSNS:W15 Assets Flag:Business--Cross-wave	Categ
16	H16AFBSNS	H16AFBSNS:W16 Assets Flag:Business--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ABSNS	12652	31808.53	206197.43	-50000.0	7000000.0
H2ABSNS	19642	19390.02	130808.30	-8000.0	4500000.0
H3ABSNS	17991	26096.94	240125.00	0.0	15000000.0
H4ABSNS	21384	31014.52	604226.66	0.0	60000000.0
H5ABSNS	19578	30627.17	275109.35	0.0	12000000.0
H6ABSNS	18165	34851.41	279959.98	0.0	14000000.0
H7ABSNS	20129	45384.16	486799.62	0.0	30000000.0
H8ABSNS	18469	51706.81	492291.38	0.0	30000000.0
H9ABSNS	17217	51417.90	449871.96	0.0	20000000.0
H10ABSNS	22034	42438.10	376292.47	0.0	20000000.0
H11ABSNS	20554	40728.74	331146.12	0.0	10000000.0
H12ABSNS	18747	39870.12	319275.98	0.0	15000000.0
H13ABSNS	20912	46929.80	550639.54	-80000.0	30000000.0
H14ABSNS	17146	54679.30	1028011.32	0.0	100000000.0
H15ABSNS	15723	41416.98	354765.32	0.0	20000000.0
H16ABSNS	15787	44634.72	408027.74	0.0	20000000.0
H1AFBSNS	12652	5.25	1.77	1.0	9.0
H2AFBSNS	19642	5.50	1.53	1.0	9.0
H3AFBSNS	17991	5.54	1.46	1.0	9.0

H4AFBSNS	21384	5.60	1.39	1.0	9.0
H5AFBSNS	19578	5.61	1.35	1.0	9.0
H6AFBSNS	18165	5.57	1.38	1.0	9.0
H7AFBSNS	20129	5.55	1.43	1.0	9.0
H8AFBSNS	18469	5.57	1.39	1.0	9.0
H9AFBSNS	17217	5.58	1.39	1.0	9.0
H10AFBSNS	22034	5.62	1.45	1.0	9.0
H11AFBSNS	20554	5.60	1.40	1.0	9.0
H12AFBSNS	18747	5.63	1.38	1.0	9.0
H13AFBSNS	20912	5.68	1.37	1.0	9.0
H14AFBSNS	17146	5.73	1.32	1.0	9.0
H15AFBSNS	15723	5.72	1.38	1.0	9.0
H16AFBSNS	15787	5.76	1.33	1.0	9.0

Categorical Variable Codes

HwAFBSNS: Assets Flag:Business--Cross-wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	1514	1550	1349	1364	1209	1230	1459	1323	1197	1586
2.Complete bracket	453	617	425	505	418	395	437	312	326	341
3.Incomplete bracket	22	19	52	39	54	20	50	38	38	49
4.Range card bracket	106									
5.No value/bracket	127	104	152	216	225	236	253	271	197	197
6.No asset	10291	17091	15825	18946	17446	16168	17764	16409	15309	19321
7.DK ownership	44	84	62	143	102	71	79	53	76	143
9.No Fin resp	95	177	126	171	124	45	87	63	74	397

Value	w11	w12	w13	w14	w15	w16
1.Continuous value	1453	1259	1336	975	958	881
2.Complete bracket	318	273	240	183	186	151
3.Incomplete bracket	42	40	38	29	20	20
4.Range card bracket						
5.No value/bracket	160	140	160	144	111	94
6.No asset	18316	16738	18654	15319	13924	14104
7.DK ownership	96	101	111	111	96	107
9.No Fin resp	169	196	373	385	428	430

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The reported or imputed net value of businesses is assigned to HwABSNS. The HwAFBSNS variable indicates whether the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Users should note the following outlier:

HHIDPN: 543250020 reported having business or farm assets (QQ148) worth $100,000,000 in Wave 14. The accuracy of this amount has been confirmed by HRS.

Cross Wave Differences in Original HRS Data

The net value of businesses is asked in each wave. The question wording is similar in all waves, but the unfolding bracket questions vary. Two questions reveal whether the Respondent owns any businesses and if so, the value of them.

In Waves 1 and 2A, the questions ask:

a) "Do you (or your (husband/wife/partner)) own part or all of a business?"

b) "If you sold (all of) the business(es) and paid off any debts on (it/them), how much would you get?"

In Wave 2H the wording of the first question changes slightly to include "farm":

a) "Do you (or your (husband/wife/partner)) own part or all of a farm or business?"

Beginning in Wave 3, the first question is almost identical to the Wave 2H version, and the second question adds the word "about":

a) "Do you (or your (husband/wife/partner)) own part or all of a business or farm?"

b) "If you sold all that and then paid off any debts on it, about how much would you get?"

Beginning in Wave 6, after the value of business or farm assets is collected, a question asks whether these assets were reported previously in the interview (e.g., HQ492). Beginning in Wave 9, a follow-up question was added which asks Respondents to indicate what percentage was previously reported (LQ523). For example, in Wave 9, about 30% of business owners indicate that they had reported their business wealth as one of the following: primary residence (which could be a farm or ranch), secondary residence, or other real estate earlier in the interview (LQ492 = yes). Of these business owners, most say that all of their business assets were previously reported (LQ523 = 100%).

The raw variables for these two questions are included in the RAND HRS Detailed Imputations File for the convenience of the analyst, and can be used for adjusting total wealth to reflect the amount of wealth that is twice reported. Q492 is available from Wave 6 forward, and Q523 is available from Wave 9 forward.

For the Q523 variables that are included in the RAND HRS Detailed Imputations File, we have recoded values of 998, 999, and -8 to .D (Don’t Know), .R (Refuse), and .J (Web interview, missing), respectively. Since the answers to Q523 reflect percentages, using special missing codes in place of 998, 999, and -8 will allow users to generate more accurate descriptive statistics, based on a maximum value of 100.

The RAND HRS Detailed Imputations File can be downloaded from the HRS website. The raw variables for these two questions are also included with the RAND HRS Fat Files.

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

```
HRS 1992:
    V15208          M5:R/SP/PART OWN BUS:IND
    V15209          M6:VALUE OF BUSINESS:IND
    V5208           M5:R/SP/PART OWN BUS:IMP
    V5209           M6:VALUE OF BUSINESS:IMP
    V5210           M6: ORIGINAL BRACKETS
AHEAD 1993:
    B1729           K5. OWN BUSINESS: ANY
    B1730           K6. OWN BUSINESS: NET VALUE
    B1730C          CATEG: K6. OWN BUSINESS: NET VALUE
HRS 1994:
    W15505          K5. Imputation Indicator
    W15506          K6. Imputation Indicator
    W5505           K5.OWN FARM OR BUSINESS
    W5506           K6.VALUE OF BUSINESS
    W5507           K6a-K6c. Brackets
AHEAD 1995:
    D4005           J17.BUSINESS
    D4006           J18.BUSINESS OR FARM $
    D4010B          J18.BUSINESS OR FARM $/Bkt
HRS 1996:
    E4096           J83.OWN BUSINESS OR FARM
    E4097           J84.BUSINESS OR FARM $
    E4098B          J84.BUSINESS OR FARM $/Bkt
HRS 1998:
    F4856           J83.BUSINESS
    F4857           J84.BUSINESS OR FARM $
    F4858B          J84.(J18)BUSINESS OR FARM $-Bkt
HRS 2000:
    G5301           J83.BUSINESS
    G5302           J84.BUSINESS OR FARM $
    G5303           J84A.DK-5K
    G5304           J84B.DK-10K
    G5305           J84C.DK-100K
    G5306           J84D.DK-1 MIL
    G5307           J84E.DK-10K
    G5308           J84F.DK-5K
HRS 2002:
    TYPASST         TYPE OF ASSETS
HRS 2002:
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
HRS 2004:
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
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    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2022:
    SQU001_1        ASSET RECONCILIATION - BUS/FARM
    SQU002_1        ASSET RECONCILIATION - WHICH WRONG-BUS/FARM
    SQU003_1A       ASSET RECONCILIATION - HOW MUCH -A-BUS/FARM
    SQU003_1B       ASSET RECONCILIATION - HOW MUCH-B-BUS/FARM
    SQU004_1A       ASSET RECONCILIATION - MIN-A-BUS/FARM
    SQU004_1B       ASSET RECONCILIATION - MIN-B-BUS/FARM
    SQU005_1A       ASSET RECONCILIATION - MAX-A -BUS/FARM
    SQU005_1B       ASSET RECONCILIATION - MAX-B -BUS/FARM
    SQU006_1A       ASSET RECONCILIATION - RESULT-A-BUS/FARM
    SQU006_1B       ASSET RECONCILIATION - RESULT-B-BUS/FARM
    SQU022_1A       WHICH WAVE WRONG-A-BUS/FARM
    SQU022_1B       WHICH WAVE WRONG-B-BUS/FARM
HRS 2002-2022:
    xQ147           BUSINESS OR FARM ASSETS
    xQ148           BUSINESS OR FARM EQUITY AMOUNT
    xQ149           BUSINESS OR FARM EQUITY - MIN
    xQ150           BUSINESS OR FARM EQUITY - MAX
    xQ151           BUSINESS OR FARM EQUITY - RESULT
    xQ492           BUSINESS/FARM AMT PREV REPORT
HRS 2006-2020:
    xU001_10        ASSET RECONCILIATION-BUS/FARM
    xU002_10        ASSET RECON WHICH WRONG-BUS/FARM
    xU003_10A       ASSET RECON HOW MUCH -A-BUS/FARM
    xU003_10B       ASSET RECON HOW MUCH-B-BUS/FARM
    xU004_10A       ASSET RECON-MIN-A-BUS/FARM
    xU004_10B       ASSET RECON -MIN-B-BUS/FARM
    xU005_10A       ASSET RECON -MAX-A -BUS/FARM
    xU005_10B       ASSET RECON -MAX-B -BUS/FARM
    xU006_10A       ASSET RECON- RESULT-A-BUS/FARM
    xU006_10B       ASSET RECON - RESULT-B-BUS/FARM
    xU022_10A       WHICH WAVE  WRONG-A-BUS/FARM
    xU022_10B       WHICH WAVE WRONG-B-BUS/FARM
```

HRS 2008-2022:
xQ523 BUSINESS/FARM PERCENT REPORTED

Net value of IRA, Keogh accounts

Wave	Variable	Label	Type
1	H1AIRA	H1AIRA:W1 Assets:IRA [total]--Cross-wave	Cont
2	H2AIRA	H2AIRA:W2 Assets:IRA [total]--Cross-wave	Cont
3	H3AIRA	H3AIRA:W3 Assets:IRA [total]--Cross-wave	Cont
4	H4AIRA	H4AIRA:W4 Assets:IRA [total]--Cross-wave	Cont
5	H5AIRA	H5AIRA:W5 Assets:IRA [total]--Cross-wave	Cont
6	H6AIRA	H6AIRA:W6 Assets:IRA [total]--Cross-wave	Cont
7	H7AIRA	H7AIRA:W7 Assets:IRA [total]--Cross-wave	Cont
8	H8AIRA	H8AIRA:W8 Assets:IRA [total]--Cross-wave	Cont
9	H9AIRA	H9AIRA:W9 Assets:IRA [total]--Cross-wave	Cont
10	H10AIRA	H10AIRA:W10 Assets:IRA [total]--Cross-wave	Cont
11	H11AIRA	H11AIRA:W11 Assets:IRA [total]--Cross-wave	Cont
12	H12AIRA	H12AIRA:W12 Assets:IRA [total]--Cross-wave	Cont
13	H13AIRA	H13AIRA:W13 Assets:IRA [total]--Cross-wave	Cont
14	H14AIRA	H14AIRA:W14 Assets:IRA [total]--Cross-wave	Cont
15	H15AIRA	H15AIRA:W15 Assets:IRA [total]--Cross-wave	Cont
16	H16AIRA	H16AIRA:W16 Assets:IRA [total]--Cross-wave	Cont
1	H1AFIRA	H1AFIRA:W1 Asst Flag: IRA [total]--Cross-wave	Categ
2	H2AFIRA	H2AFIRA:W2 Asst Flag: IRA [total]--Cross-wave	Categ
3	H3AFIRA	H3AFIRA:W3 Asst Flag: IRA [total]--Cross-wave	Categ
4	H4AFIRA	H4AFIRA:W4 Asst Flag: IRA [total]--Cross-wave	Categ
5	H5AFIRA	H5AFIRA:W5 Asst Flag: IRA [total]--Cross-wave	Categ
6	H6AFIRA	H6AFIRA:W6 Asst Flag: IRA [total]--Cross-wave	Categ
7	H7AFIRA	H7AFIRA:W7 Asst Flag: IRA [total]--Cross-wave	Categ
8	H8AFIRA	H8AFIRA:W8 Asst Flag: IRA [total]--Cross-wave	Categ
9	H9AFIRA	H9AFIRA:W9 Asst Flag: IRA [total]--Cross-wave	Categ
10	H10AFIRA	H10AFIRA:W10 Asst Flag: IRA [total]--Cross-wave	Categ
11	H11AFIRA	H11AFIRA:W11 Asst Flag: IRA [total]--Cross-wave	Categ
12	H12AFIRA	H12AFIRA:W12 Asst Flag: IRA [total]--Cross-wave	Categ
13	H13AFIRA	H13AFIRA:W13 Asst Flag: IRA [total]--Cross-wave	Categ
14	H14AFIRA	H14AFIRA:W14 Asst Flag: IRA [total]--Cross-wave	Categ
15	H15AFIRA	H15AFIRA:W15 Asst Flag: IRA [total]--Cross-wave	Categ
16	H16AFIRA	H16AFIRA:W16 Asst Flag: IRA [total]--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AIRA	12652	17724.78	55292.24	0.0	1200000.0
H2AIRA	19642	19514.18	67243.79	0.0	2000000.0
H3AIRA	17991	26605.56	91626.08	0.0	2708305.8
H4AIRA	21384	37745.48	119106.15	0.0	2632000.0
H5AIRA	19578	49419.06	190073.97	0.0	12080000.0
H6AIRA	18165	45879.54	138735.24	0.0	3600000.0
H7AIRA	20129	50891.76	305720.76	0.0	35027000.0
H8AIRA	18469	65414.08	518967.47	0.0	43000000.0
H9AIRA	17217	63664.10	191700.37	0.0	5400000.0
H10AIRA	22034	55160.78	167897.40	0.0	3800000.0
H11AIRA	20554	59352.72	179260.62	0.0	3500000.0
H12AIRA	18747	71651.69	273980.33	0.0	17000000.0
H13AIRA	20912	69755.51	230838.24	0.0	10000000.0
H14AIRA	17146	91894.85	457828.15	0.0	45000000.0
H15AIRA	15723	106840.89	337122.80	0.0	8250000.0
H16AIRA	15787	123645.02	403720.05	0.0	10700000.0
H1AFIRA	12652	0.58	1.00	0.0	9.0
H2AFIRA	19642	0.49	1.03	0.0	9.0

H3AFIRA	17991	0.52	0.98	0.0	9.0
H4AFIRA	21384	0.57	1.03	0.0	9.0
H5AFIRA	19578	0.58	0.98	0.0	9.0
H6AFIRA	18165	0.55	0.84	0.0	9.0
H7AFIRA	20129	0.57	0.91	0.0	9.0
H8AFIRA	18469	0.56	0.87	0.0	9.0
H9AFIRA	17217	0.56	0.91	0.0	9.0
H10AFIRA	22034	0.64	1.33	0.0	9.0
H11AFIRA	20554	0.53	1.03	0.0	9.0
H12AFIRA	18747	0.56	1.11	0.0	9.0
H13AFIRA	20912	0.59	1.32	0.0	9.0
H14AFIRA	17146	0.65	1.44	0.0	9.0
H15AFIRA	15723	0.72	1.55	0.0	9.0
H16AFIRA	15787	0.69	1.55	0.0	9.0

Categorical Variable Codes

HwAFIRA: Asst Flag: IRA [total]--Cross-wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No asset	7478	12977	11605	13196	11789	11085	12094	11099	10359	13729
1.No imputations	3685	4860	4377	5369	5114	4523	5199	4875	4511	5394
2.Some imputation	1394	1628	1883	2648	2551	2512	2749	2433	2273	2514
9.No Fin resp	95	177	126	171	124	45	87	62	74	397

Value	w11	w12	w13	w14	w15	w16
0.No asset	13337	11965	13772	11045	9838	10109
1.No imputations	4733	4402	4508	3827	3506	3425
2.Some imputation	2315	2184	2260	1889	1951	1823
9.No Fin resp	169	196	372	385	428	430

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The reported or imputed net value of all IRA and Keogh accounts is assigned to HwAIRA. HwAFIRA is a flag that indicates whether any components are imputed, and if so, how much information is available for imputation.

HwAIRA is the sum of components HwAIRA1, HwAIRA2, and HwAIRA3, which are each imputed separately. These variables, along with the associated imputation (HwAFIRA1, HwAFIRA2, HwAFIRA3) and ownership (HwAOIRA1, HwAOIRA2, HwAOIRA3) variables, are available in the RAND HRS Detailed Imputations File.

In Waves 3-5, Respondents who say DK/RF to the "how many accounts" question answer the questions in the first IRA loop,

but then skip the questions in the remaining two IRA loops. HRS has confirmed that follow-up questions ask about "this account." Therefore, we assume these Respondents have only one account (IRA #1), and set ownership of the second (IRA #2) and third (IRA #3) accounts to "No asset."

In Waves 6-9, Respondents who say DK/RF to the "how many accounts" question skip the questions in all three IRA loops. Therefore, we treat these Respondents as owning one account (IRA #1), and set ownership of the second (IRA #2) and third (IRA #3) accounts to "DK ownership," in which case they undergo ownership imputation for the second and third accounts, and bracket/amount imputation if ownership is imputed.

From Wave 10 forward, Respondents who say DK/RF to the "how many accounts" question answer the questions in the first IRA loop, but then skip the questions in the remaining two IRA loops. However, the amount question in the first IRA loop asks about the total in these accounts at the present time. Therefore, the imputation methodology is the same as that for Waves 6-9, the only difference being that we ignore the bracket/amount imputations for the second (IRA #2) and third (IRA #3) accounts, and instead allocate the total from first account (IRA #1) to all accounts (depending on ownership) using a proportional allocation rule that allocates the reported/imputed amount for the first account to each owned IRA proportional to the amounts reported by all respondents who gave only continuous amounts, and who reported the same number of IRAs (i.e., two or three) as the current Respondent.

In waves where questions ask about multiple IRA accounts, HwAIRA represents the sum of the values of all of them.

Users should note the following outlier:

HHIDPN: 40407030 reported IRA assets in Section U (QU003_9B) worth $45,000,000 in Wave 14. The accuracy of this amount has been confirmed by HRS.

Cross Wave Differences in Original HRS Data

The net value of IRA and Keogh accounts is asked in each wave. Two questions reveal whether the Respondent owns any IRA or Keogh accounts and if so, the value of them.

In Waves 1 and 2, the total of all IRA accounts is requested in one question:

a) "Do you (or your (husband/wife/partner)) have any Individual Retirement Accounts, that is, IRA or Keogh accounts?"

b) "How much in total is in all those accounts?"

Beginning in Wave 3, the questions ask about the two largest IRAs individually and then about all other IRAs collectively:

a) "Do you (or your (husband/wife/partner)) currently have any money or assets that are held in an Individual Retirement Account, that is, in an IRA or KEOGH account?"

b) "Let’s talk about the (NEXT) largest IRA or KEOGH account/other IRA or KEOGH account/next largest IRA or KEOGH account/third IRA or KEOGH account/all the other IRA or KEOGH accounts. About how much is in this account at the present time?"

The second question is asked up to three times, depending on how many IRAs the Respondent reports (see the How Constructed section above for details about how Respondents who say DK/RF to this question are handled in the imputation process). For each IRA, Respondents are also asked who the account belongs to, except in Wave 3, where this question is asked only for the first two IRAs. We do not use this information when creating the ownership variables (HwAOvar).

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

```
HRS 1992:
    V15212          M7:R/SP/PARTNR HAVE :IND
    V15213          M8:$VAL OF IRA ACCOU:IND
    V5212           M7:R/SP/PARTNR HAVE :IMP
    V5213           M8:$VAL OF IRA ACCOU:IMP
    V5214           M8: ORIGINAL BRACKETS
AHEAD 1993:
    B1734           K7. IRA: ANY
    B1735           K8. IRA: TOTAL VALUE
    B1735C          CATEG: K8. IRA: TOTAL VALUE
HRS 1994:
    W15508          K7. Imputation Indicator
    W15509          K8. Imputation Indicator
    W5508           K7.IRA OR KEOGH ACCOUNTS
    W5509           K8.AMOUNT IN IRA/KEOGHS
    W5510           K8a-K8d. Brackets
AHEAD 1995:
    D4045           J20.IRA
    D4046           J20A. NUMBER IRAS
    D4048           J21.TOTAL $ IRA ACCOUNT
    D4052B          J21.TOTAL $ IRA ACCOUNT/Bkt
    D4089           J21.INTRO IRA ACCOUNT-2
    D4090           J22.TOTAL $ IRA ACCOUNT-2
    D4093B          J22.TOTAL $ IRA ACCOUNT-2/Bkt
    D4129           J22.TOTAL $ IRA ACCOUNT-3
    D4132B          J22.TOTAL $ IRA ACCOUNT-3/Bkt
HRS 1996:
    E4124           J90.IRA
    E4125           J91.NUMBER IRAS
    E4127           J93.TOTAL $ IRA ACCOUNT
    E4130B          J93.TOTAL $ IRA ACCOUNT/Bkt
    E4148           J99.INTRO IRA ACCOUNT-2
    E4149           J100.TOTAL $ IRA ACCOUNT-2
    E4152B          J100.TOTAL $ IRA ACCOUNT-2/Bkt
    E4171           J107.TOTAL $ IRA ACCOUNT-3
    E4172B          J107.TOTAL $ IRA ACCOUNT-3/Bkt
HRS 1998:
    F4884           J90.IRA
    F4885           J91.NUMBER IRAS
    F4887           J93.TOTAL $ IRA ACCOUNT
    F4889B          J93.(J22-2)TOTAL $ IRA ACCOUNT-Bkt
    F4908           J99.INTRO IRA ACCOUNT-2
    F4909           J100.TOTAL $ IRA ACCOUNT-2
    F4910B          J100.(J22-2)TOTAL $ IRA ACCOUNT-2-Bkt
    F4929           J106.INTRO IRA-3
    F4930           J107.TOTAL $ IRA ACCOUNT-3
    F4931B          J107.(J22-3)TOTAL $ IRA ACCOUNT-3-Bkt
HRS 2000:
    G5329           J90.IRA
    G5330           J91.NUMBER IRAS
    G5332           J93.TOTAL $ IRA ACCOUNT
    G5334           J93A.IRA DK-$10K
    G5335           J93Y1A.IRA DK-$25K
    G5336           J93B.IRA DK-$100K
    G5338           J93C.IRA DK-$400K
    G5339           J93Y2A.IRA DK-$25K
    G5340           J93D.IRA DK-$10K
    G5353           J99.INTRO IRA ACCOUNT-2
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    G5354           J100.TOTAL $ IRA ACCOUNT-2
    G5355           J100A.IRA DK-$10K
    G5356           J100Y1A.IRA DK-$25K
    G5357           J100B.IRA DK-$100K
    G5359           J100C.IRA DK-$400K
    G5360           J100Y2A.IRA DK-$25K
    G5361           J100D.IRA DK-$10K
    G5374           J106.INTRO IRA-3
    G5375           J107.TOTAL $ IRA ACCOUNT-3
    G5376           J107A.IRA DK-$10K
    G5377           J107Y1A.IRA DK-$25K
    G5378           J107B.IRA DK-$100K
    G5379           J107C.IRA DK-$400K
    G5380           J107Y2A.IRA DK-$25K
    G5381           J107D.IRA DK-$10K
HRS 2002:
    TYPASST         TYPE OF ASSETS
HRS 2002:
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
HRS 2004:
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
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    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2022:
    SQU001_2        ASSET RECONCILIATION - IRA
    SQU002_2        ASSET RECONCILIATION - WHICH WRONG-IRA
    SQU003_2A       ASSET RECONCILIATION - HOW MUCH -A-IRA
    SQU003_2B       ASSET RECONCILIATION - HOW MUCH-B-IRA
    SQU004_2A       ASSET RECONCILIATION - MIN-A-IRA
    SQU005_2A       ASSET RECONCILIATION - MAX-A -IRA
    SQU005_2B       ASSET RECONCILIATION - MAX-B -IRA
    SQU006_2A       ASSET RECONCILIATION - RESULT-A-IRA
    SQU006_2B       ASSET RECONCILIATION - RESULT-B-IRA
    SQU022_2A       WHICH WAVE WRONG-A-IRA
    SQU022_2B       WHICH WAVE VALUE WAS WRONG-B-IRA
HRS 2002-2022:
    xQ162           IRA OR KEOGH
    xQ163           NUMBERS OF IRA OR KEPGH
    xQ165_1         WHO HAS IRA ACCOUNTS -1
    xQ165_2         WHO HAS IRA ACCOUNTS -2
    xQ165_3         WHO HAS IRA ACCOUNTS -3
    xQ166_1         AMOUNT IN IRA ACCOUNT -1
    xQ166_2         AMOUNT IN IRA ACCOUNT -2
    xQ166_3         AMOUNT IN IRA ACCOUNT -3
    xQ167_1         AMT IN IRA ACCOUNT - MIN -1
    xQ167_2         AMT IN IRA ACCOUNT - MIN -2
    xQ167_3         AMT IN IRA ACCOUNT - MIN -3
    xQ168_1         AMT IN IRA ACCOUNT - MAX -1
    xQ168_2         AMT IN IRA ACCOUNT - MAX -2
    xQ168_3         AMT IN IRA ACCOUNT - MAX -3
    xQ169_1         AMT IN IRA ACCOUNT - RESULT -1
    xQ169_2         AMT IN IRA ACCOUNT - RESULT -2
    xQ169_3         AMT IN IRA ACCOUNT - RESULT -3
HRS 2006-2020:
    xU001_9         ASSET RECONCILIATION-IRA
    xU002_9         ASSET RECONCILIATION WHICH WRONG-IRA
    xU003_9A        ASSET RECONCILIATION HOW MUCH -A-IRA
    xU003_9B        ASSET RECONCILIATION HOW MUCH-B-IRA
    xU004_9A        ASSET RECONCILIATION -MIN-A-IRA
    xU004_9B        ASSET RECONCILIATION -MIN-B-IRA
    xU005_9A        ASSET RECONCILIATION -MAX-A -IRA
    xU005_9B        ASSET RECONCILIATION -MAX-B -IRA
    xU006_9A        ASSET RECONCILIATION - RESULT-A-IRA
    xU006_9B        ASSET RECONCILIATION - RESULT-B-IRA
    xU022_9A        WHICH WAVE VALUE WAS WRONG-A-IRA
    xU022_9B        WHICH WAVE VALUE WAS WRONG-B-IRA
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Net value of stocks, mutual funds, and investment trusts

Wave	Variable	Label	Type
1	H1ASTCK	H1ASTCK:W1 Assets:Stocks--Cross-wave	Cont
2	H2ASTCK	H2ASTCK:W2 Assets:Stocks--Cross-wave	Cont
3	H3ASTCK	H3ASTCK:W3 Assets:Stocks--Cross-wave	Cont
4	H4ASTCK	H4ASTCK:W4 Assets:Stocks--Cross-wave	Cont
5	H5ASTCK	H5ASTCK:W5 Assets:Stocks--Cross-wave	Cont
6	H6ASTCK	H6ASTCK:W6 Assets:Stocks--Cross-wave	Cont
7	H7ASTCK	H7ASTCK:W7 Assets:Stocks--Cross-wave	Cont
8	H8ASTCK	H8ASTCK:W8 Assets:Stocks--Cross-wave	Cont
9	H9ASTCK	H9ASTCK:W9 Assets:Stocks--Cross-wave	Cont
10	H10ASTCK	H10ASTCK:W10 Assets:Stocks--Cross-wave	Cont
11	H11ASTCK	H11ASTCK:W11 Assets:Stocks--Cross-wave	Cont
12	H12ASTCK	H12ASTCK:W12 Assets:Stocks--Cross-wave	Cont
13	H13ASTCK	H13ASTCK:W13 Assets:Stocks--Cross-wave	Cont
14	H14ASTCK	H14ASTCK:W14 Assets:Stocks--Cross-wave	Cont
15	H15ASTCK	H15ASTCK:W15 Assets:Stocks--Cross-wave	Cont
16	H16ASTCK	H16ASTCK:W16 Assets:Stocks--Cross-wave	Cont
1	H1AFSTCK	H1AFSTCK:W1 Assets Flag:Stocks--Cross-wave	Categ
2	H2AFSTCK	H2AFSTCK:W2 Assets Flag:Stocks--Cross-wave	Categ
3	H3AFSTCK	H3AFSTCK:W3 Assets Flag:Stocks--Cross-wave	Categ
4	H4AFSTCK	H4AFSTCK:W4 Assets Flag:Stocks--Cross-wave	Categ
5	H5AFSTCK	H5AFSTCK:W5 Assets Flag:Stocks--Cross-wave	Categ
6	H6AFSTCK	H6AFSTCK:W6 Assets Flag:Stocks--Cross-wave	Categ
7	H7AFSTCK	H7AFSTCK:W7 Assets Flag:Stocks--Cross-wave	Categ
8	H8AFSTCK	H8AFSTCK:W8 Assets Flag:Stocks--Cross-wave	Categ
9	H9AFSTCK	H9AFSTCK:W9 Assets Flag:Stocks--Cross-wave	Categ
10	H10AFSTCK	H10AFSTCK:W10 Assets Flag:Stocks--Cross-wave	Categ
11	H11AFSTCK	H11AFSTCK:W11 Assets Flag:Stocks--Cross-wave	Categ
12	H12AFSTCK	H12AFSTCK:W12 Assets Flag:Stocks--Cross-wave	Categ
13	H13AFSTCK	H13AFSTCK:W13 Assets Flag:Stocks--Cross-wave	Categ
14	H14AFSTCK	H14AFSTCK:W14 Assets Flag:Stocks--Cross-wave	Categ
15	H15AFSTCK	H15AFSTCK:W15 Assets Flag:Stocks--Cross-wave	Categ
16	H16AFSTCK	H16AFSTCK:W16 Assets Flag:Stocks--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ASTCK	12652	17753.61	82274.06	0.0	2500000.0
H2ASTCK	19642	23308.09	114715.92	-9500.0	5000000.0
H3ASTCK	17991	46078.91	399658.24	0.0	40000000.0
H4ASTCK	21384	53020.65	337394.94	0.0	30000000.0
H5ASTCK	19578	66154.41	377792.91	0.0	30000000.0
H6ASTCK	18165	54259.02	220928.51	0.0	12000000.0
H7ASTCK	20129	65622.18	425891.02	0.0	25000000.0
H8ASTCK	18469	71420.82	477391.31	0.0	30000000.0
H9ASTCK	17217	68475.89	319671.61	0.0	10000001.0
H10ASTCK	22034	53351.12	299601.46	0.0	20000000.0
H11ASTCK	20554	55813.97	414919.05	0.0	42300000.0
H12ASTCK	18747	72960.00	1420812.97	0.0	190000000.0
H13ASTCK	20912	61924.84	361082.45	0.0	12000000.0
H14ASTCK	17146	71300.91	405446.58	0.0	15000000.0
H15ASTCK	15723	82623.25	447833.04	-20000.0	16000000.0
H16ASTCK	15787	83384.54	469728.71	0.0	20000000.0
H1AFSTCK	12652	4.79	2.10	1.0	9.0
H2AFSTCK	19642	4.85	2.09	1.0	9.0

H3AFSTCK	17991	4.67	2.16	1.0	9.0
H4AFSTCK	21384	4.71	2.15	1.0	9.0
H5AFSTCK	19578	4.66	2.16	1.0	9.0
H6AFSTCK	18165	4.70	2.14	1.0	9.0
H7AFSTCK	20129	4.73	2.13	1.0	9.0
H8AFSTCK	18469	4.85	2.07	1.0	9.0
H9AFSTCK	17217	4.92	2.03	1.0	9.0
H10AFSTCK	22034	5.11	1.99	1.0	9.0
H11AFSTCK	20554	5.16	1.89	1.0	9.0
H12AFSTCK	18747	5.15	1.92	1.0	9.0
H13AFSTCK	20912	5.28	1.85	1.0	9.0
H14AFSTCK	17146	5.31	1.86	1.0	9.0
H15AFSTCK	15723	5.31	1.89	1.0	9.0
H16AFSTCK	15787	5.35	1.86	1.0	9.0

Categorical Variable Codes

HwAFSTCK: Assets Flag:Stocks--Cross-wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	2438	3453	3604	4208	4092	3734	4143	3552	3072	3509
2.Complete bracket	676	1371	1460	1554	1290	1116	1117	802	755	723
3.Incomplete bracket	68	116	126	184	173	108	96	88	85	115
4.Range card bracket	196									
5.No value/bracket	207	324	390	713	809	806	795	614	517	453
6.No asset	8874	13919	12043	14129	12720	11914	13519	13014	12394	16387
7.DK ownership	98	282	242	425	370	442	372	336	320	450
9.No Fin resp	95	177	126	171	124	45	87	63	74	397

Value	w11	w12	w13	w14	w15	w16
1.Continuous value	2987	2816	2807	2262	2098	1976
2.Complete bracket	647	538	473	386	374	429
3.Incomplete bracket	81	103	72	73	79	60
4.Range card bracket						
5.No value/bracket	419	356	368	324	283	239
6.No asset	15842	14339	16436	13354	12043	12266
7.DK ownership	409	399	383	362	418	387
9.No Fin resp	169	196	373	385	428	430

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The reported or imputed net value of stocks and mutual funds is assigned to HwASTCK. The HwAFSTCK variable indicates whether the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Users should note the following outlier:

HHIDPN: 529220010 reported having stock assets (OQ317) worth $190,000,000 in Wave 12. The accuracy of this amount has been confirmed by HRS.

Cross Wave Differences in Original HRS Data

The net value of stocks and mutual funds is asked in each wave. The question wording changes some after Wave 1, and the unfolding bracket questions vary. Two questions reveal whether the Respondent owns any stocks or mutual funds and if so, the value of them.

In Wave 1, the questions ask:

a) "For the next few questions, please exclude any assets held in the form of IRA and Keogh accounts. Do you (or your (husband/wife/partner)) have any shares of stock in publicly held corporations, mutual funds, or investment trusts?"

b) "If you sold all that and paid off anything you owed on it, how much would you have?"

Beginning in Wave 2, the first question changes to:

a) "(Aside from anything you have already told me about...) do you (or your (husband/wife/partner)) have any shares of stock or stock mutual funds?"

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

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HRS 1992:
    V15217          M10:STCK/MUT FND/TRU:IND
    V15218          M11:$ VAL OF INVESTM:IND
    V5217           M10:STCK/MUT FND/TRU:IMP
    V5218           M11:$ VAL OF INVESTM:IMP
    V5219           M11:ORIGINAL BRACKETS
AHEAD 1993:
    B1743           K10. STOCK/MUTUAL FUNDS: ANY
    B1744           K11. STOCK/MUTUAL FUNDS: NET VALUE
    B1744C          CATEG: K11. STOCK/MUTUAL FUNDS
HRS 1994:
    W15511          K9. Imputation Indicator
    W15512          K10. Imputation Indicato
    W5511           K9.OWN STOCKS/STOCK MUTU
    W5512           K10.VALUE OF STOCKS
    W5513           K10a-K10d. Brackets
AHEAD 1995:
    D4338           J36.STOCK ASSETS
    D4339           J37.TOTAL $ STOCKS
    D4343B          J37.TOTAL $ STOCKS/Bkt
HRS 1996:
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    E4339           J207.STOCK ASSETS
    E4340           J208.TOTAL $ STOCKS
    E4341B          J208.TOTAL $ STOCKS/Bkt
HRS 1998:
    F5099           J207.STOCK ASSETS
    F5100           J208.TOTAL $ STOCKS
    F5101B          J208.(J37)TOTAL $ STOCKS-Bkt
HRS 2000:
    G5554           J207.STOCK ASSETS
    G5555           J208.TOTAL $ STOCKS
    G5556           J208A. DK-2500
    G5557           J208Y1A. DK-$25K
    G5558           J208B. DK-$125K
    G5559           J208C. DK-$400K
    G5560           J208Y2A. DK-$25K
    G5561           J208D. DK-2500
HRS 2002:
    TYPASST         TYPE OF ASSETS
HRS 2002:
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
HRS 2004:
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
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    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2022:
    SQU001_3        ASSET RECONCILIATION - STOCK
    SQU002_3        ASSET RECONCILIATION - WHICH WRONG-STOCK
    SQU003_3A       ASSET RECONCILIATION - HOW MUCH -A-STOCK
    SQU003_3B       ASSET RECONCILIATION - HOW MUCH-B-STOCK
    SQU004_3A       ASSET RECONCILIATION - MIN-A-STOCK
    SQU004_3B       ASSET RECONCILIATION - MIN-B-STOCK
    SQU005_3A       ASSET RECONCILIATION - MAX-A -STOCK
    SQU005_3B       ASSET RECONCILIATION - MAX-B -STOCK
    SQU006_3A       ASSET RECONCILIATION - RESULT-A-STOCK
    SQU006_3B       ASSET RECONCILIATION - RESULT-B-STOCK
    SQU022_3A       WHICH WAVE WRONG-A-STOCK
    SQU022_3B       WHICH WAVE WRONG-B-STOCK
HRS 2002-2022:
    xQ316           STOCK AND STOCK MUTUAL FUNDS
    xQ317           STOCKS TOTAL VALUE
    xQ318           STOCKS TOTAL VALUE - MIN
    xQ319           STOCKS TOTAL VALUE - MAX
    xQ320           STOCKS TOTAL VALUE - RESULT
HRS 2006-2020:
    xU001_8         ASSET RECONCILIATION-STOCK
    xU002_8         ASSET RECON WHICH WRONG-STOCK
    xU003_8A        ASSET RECON HOW MUCH -A-STOCK
    xU003_8B        ASSET RECON HOW MUCH-B-STOCK
    xU004_8A        ASSET RECON -MIN-A-STOCK
    xU004_8B        ASSET RECON-MIN-B-STOCK
    xU005_8A        ASSET RECON-MAX-A -STOCK
    xU005_8B        ASSET RECON-MAX-B -STOCK
    xU006_8A        ASSET RECON - RESULT-A-STOCK
    xU006_8B        ASSET RECON- RESULT-B-STOCK
    xU022_8A        WHICH WAVE WRONG-A-STOCK
    xU022_8B        WHICH WAVE WRONG-B-STOCK
```

Value of checking, savings, or money market accounts

Wave	Variable	Label	Type
1	H1ACHCK	H1ACHCK:W1 Assets:Checking,Savings Acct--Cross-wave	Cont
2	H2ACHCK	H2ACHCK:W2 Assets:Checking,Savings Acct--Cross-wave	Cont
3	H3ACHCK	H3ACHCK:W3 Assets:Checking,Savings Acct--Cross-wave	Cont
4	H4ACHCK	H4ACHCK:W4 Assets:Checking,Savings Acct--Cross-wave	Cont
5	H5ACHCK	H5ACHCK:W5 Assets:Checking,Savings Acct--Cross-wave	Cont
6	H6ACHCK	H6ACHCK:W6 Assets:Checking,Savings Acct--Cross-wave	Cont
7	H7ACHCK	H7ACHCK:W7 Assets:Checking,Savings Acct--Cross-wave	Cont
8	H8ACHCK	H8ACHCK:W8 Assets:Checking,Savings Acct--Cross-wave	Cont
9	H9ACHCK	H9ACHCK:W9 Assets:Checking,Savings Acct--Cross-wave	Cont
10	H10ACHCK	H10ACHCK:W10 Assets:Checking,Savings Acct--Cross-wave	Cont
11	H11ACHCK	H11ACHCK:W11 Assets:Checking,Savings Acct--Cross-wave	Cont
12	H12ACHCK	H12ACHCK:W12 Assets:Checking,Savings Acct--Cross-wave	Cont
13	H13ACHCK	H13ACHCK:W13 Assets:Checking,Savings Acct--Cross-wave	Cont
14	H14ACHCK	H14ACHCK:W14 Assets:Checking,Savings Acct--Cross-wave	Cont
15	H15ACHCK	H15ACHCK:W15 Assets:Checking,Savings Acct--Cross-wave	Cont
16	H16ACHCK	H16ACHCK:W16 Assets:Checking,Savings Acct--Cross-wave	Cont
1	H1AFCHCK	H1AFCHCK:W1 Assets Flag:Checking,Savings--Cross-wave	Categ
2	H2AFCHCK	H2AFCHCK:W2 Assets Flag:Checking,Savings--Cross-wave	Categ
3	H3AFCHCK	H3AFCHCK:W3 Assets Flag:Checking,Savings--Cross-wave	Categ
4	H4AFCHCK	H4AFCHCK:W4 Assets Flag:Checking,Savings--Cross-wave	Categ
5	H5AFCHCK	H5AFCHCK:W5 Assets Flag:Checking,Savings--Cross-wave	Categ
6	H6AFCHCK	H6AFCHCK:W6 Assets Flag:Checking,Savings--Cross-wave	Categ
7	H7AFCHCK	H7AFCHCK:W7 Assets Flag:Checking,Savings--Cross-wave	Categ
8	H8AFCHCK	H8AFCHCK:W8 Assets Flag:Checking,Savings--Cross-wave	Categ
9	H9AFCHCK	H9AFCHCK:W9 Assets Flag:Checking,Savings--Cross-wave	Categ
10	H10AFCHCK	H10AFCHCK:W10 Assets Flag:Checking,Savings--Cross-wave	Categ
11	H11AFCHCK	H11AFCHCK:W11 Assets Flag:Checking,Savings--Cross-wave	Categ
12	H12AFCHCK	H12AFCHCK:W12 Assets Flag:Checking,Savings--Cross-wave	Categ
13	H13AFCHCK	H13AFCHCK:W13 Assets Flag:Checking,Savings--Cross-wave	Categ
14	H14AFCHCK	H14AFCHCK:W14 Assets Flag:Checking,Savings--Cross-wave	Categ
15	H15AFCHCK	H15AFCHCK:W15 Assets Flag:Checking,Savings--Cross-wave	Categ
16	H16AFCHCK	H16AFCHCK:W16 Assets Flag:Checking,Savings--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ACHCK	12652	13273.14	45504.13	0.0	2500000.0
H2ACHCK	19642	16532.43	42284.16	0.0	900000.0
H3ACHCK	17991	19675.64	61730.01	0.0	2500000.0
H4ACHCK	21384	23174.39	250950.81	0.0	25000000.0
H5ACHCK	19578	20511.40	55825.02	0.0	3500000.0
H6ACHCK	18165	26245.78	254565.70	0.0	33300000.0
H7ACHCK	20129	25222.05	68770.62	0.0	3000000.0
H8ACHCK	18469	25722.69	71401.89	0.0	2500000.0
H9ACHCK	17217	27270.40	71859.81	0.0	1700000.0
H10ACHCK	22034	25872.39	87182.66	0.0	4000000.0
H11ACHCK	20554	28413.07	115741.15	0.0	7500000.0
H12ACHCK	18747	31063.15	112237.83	0.0	5000000.0
H13ACHCK	20912	27574.74	97831.35	0.0	6000000.0
H14ACHCK	17146	32260.87	180752.64	0.0	16000000.0
H15ACHCK	15723	32887.35	110411.49	0.0	5000000.0
H16ACHCK	15787	37659.57	115292.37	0.0	3700000.0
H1AFCHCK	12652	2.48	2.12	1.0	9.0
H2AFCHCK	19642	2.50	2.19	1.0	9.0

H3AFCHCK	17991	2.32	2.05	1.0	9.0
H4AFCHCK	21384	2.43	2.12	1.0	9.0
H5AFCHCK	19578	2.41	2.11	1.0	9.0
H6AFCHCK	18165	2.39	2.07	1.0	9.0
H7AFCHCK	20129	2.33	2.05	1.0	9.0
H8AFCHCK	18469	2.31	2.04	1.0	9.0
H9AFCHCK	17217	2.30	2.05	1.0	9.0
H10AFCHCK	22034	2.60	2.32	1.0	9.0
H11AFCHCK	20554	2.65	2.29	1.0	9.0
H12AFCHCK	18747	2.63	2.30	1.0	9.0
H13AFCHCK	20912	2.82	2.41	1.0	9.0
H14AFCHCK	17146	2.92	2.47	1.0	9.0
H15AFCHCK	15723	2.98	2.50	1.0	9.0
H16AFCHCK	15787	2.93	2.49	1.0	9.0

Categorical Variable Codes

HwAFCHCK: Assets Flag:Checking,Savings--Cross-wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	7383	11514	10787	12635	11959	11206	12603	11761	11066	13685
2.Complete bracket	1483	2638	2814	2969	2214	1890	2212	1864	1677	1472
3.Incomplete bracket	173	219	213	271	238	199	199	190	180	259
4.Range card bracket	532									
5.No value/bracket	515	833	945	1499	1734	1914	1902	1808	1548	1284
6.No asset	2357	3955	2855	3432	2957	2529	2825	2507	2423	4593
7.DK ownership	114	306	251	407	352	382	301	276	249	344
9.No Fin resp	95	177	126	171	124	45	87	63	74	397

Value	w11	w12	w13	w14	w15	w16
1.Continuous value	12477	11564	12289	9883	8904	9101
2.Complete bracket	1332	1171	1211	843	827	809
3.Incomplete bracket	208	192	186	182	153	163
4.Range card bracket						
5.No value/bracket	1235	1026	1105	899	850	869
6.No asset	4838	4314	5384	4660	4248	4103
7.DK ownership	295	284	364	294	313	312
9.No Fin resp	169	196	373	385	428	430

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The reported or imputed value of checking, savings, and money market accounts is assigned to HwACHCK. The HwAFCHCK variable indicates whether the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Cross Wave Differences in Original HRS Data

The net value of checking, savings, and money market accounts is asked in each wave. The question wording is similar in all waves, but the unfolding bracket questions vary. Two questions reveal whether the Respondent owns any checking, savings, or money market accounts and if so, the value of them.

In Wave 1, these questions ask:

a) "Do you (or your (husband/wife/partner)) have any money in checking or savings accounts, or money market funds?"

b) "If you added up all such accounts (for you and your (husband/wife/partner)), about how much would they amount to right now?"

Beginning in Wave 2, initial wording is added to the first question:

a) "(Aside from anything you have already told me about. . .) do you (or your (husband/wife/partner)) have any money in checking or savings accounts, or money market funds?"

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

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HRS 1992:
    V15221          M12:$ IN CHKNG/SAV/$:IND
    V15222          M13:$VAL OF BNK/MKT :IND
    V5221           M12:$ IN CHKNG/SAV/$:IMP
    V5222           M13:$VAL OF BNK/MKT :IMP
    V5223           M13:ORIGINAL BRACKETS
AHEAD 1993:
    B1749           K12. BANK ACCT: ANY NOT MENTION BEFORE
    B1750           K13. BANK ACCT: TOTAL VALUE
    B1750C          CATEG: K13. BANK ACCT: TOTAL VALUE
HRS 1994:
    W15514          K11. Imputation Indicato
    W15515          K12. Imputation Indicato
    W5514           K11.MONEY IN CHECKING/SA
    W5515           K12.AMOUNT IN ALL ACCOUN
    W5516           K12a-K12d. Brackets
AHEAD 1995:
    D4424           J44.CHECKING, SAVING ASSETS
    D4425           J44.TOTAL $ CHECKING, SAVINGS
    D4429B          J44.TOTAL $ CHECKING, SAVINGS/Bkt
HRS 1996:
    E4425           J222.CHECKING,SAVING ASSETS
    E4426           J223.TOTAL $ CHECKING, SAVINGS
    E4427B          J223.TOTAL $ CHECKING, SAVINGS/Bkt
HRS 1998:
    F5185           J222.CHECKING, SAVING ASSETS
    F5186           J223.TOTAL $ CHECKING, SAVINGS
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    F5187B          J223.(J44)TOTAL $ CHECKING, SAVINGS-Bkt
HRS 2000:
    G5620           J222.CHECKING-SAVING ASSETS
    G5621           J223.TOTAL $ CHECKING-SAVINGS
    G5622           J223A.DK-5K
    G5623           J223B.DK-50K
    G5624           J223C.DK-150K
    G5625           J223D.DK-300K
    G5626           J223E.DK-50K
    G5627           J223F.DK-5K
HRS 2002:
    TYPASST         TYPE OF ASSETS
HRS 2002:
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
HRS 2004:
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2022:
    SQU001_4        ASSET RECONCILIATION - CHECKING
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    SQU002_4        ASSET RECONCILIATION - WHICH WRONG-CHECKING
    SQU003_4A       ASSET RECONCILIATION - HOW MUCH -A-CHECKING
    SQU003_4B       ASSET RECONCILIATION - HOW MUCH-B-CHECKING
    SQU004_4A       ASSET RECONCILIATION - MIN-A-CHECKING
    SQU004_4B       ASSET RECONCILIATION - MIN-B-CHECKING
    SQU005_4A       ASSET RECONCILIATION - MAX-A -CHECKING
    SQU005_4B       ASSET RECONCILIATION - MAX-B -CHECKING
    SQU006_4A       ASSET RECONCILIATION - RESULT-A-CHECKING
    SQU006_4B       ASSET RECONCILIATION - RESULT-B-CHECKING
    SQU022_4A       WHICH WAVE WRONG-A-CHECKING
    SQU022_4B       WHICH WAVE WRONG-B-CHECKING
HRS 2002-2022:
    xQ344           CHECKING SAVINGS MARKET FUNDS
    xQ345           CHECKING TOTAL VALUE
    xQ346           CHECKING TOTAL VALUE - MIN
    xQ347           CHECKING TOTAL VALUE - MAX
    xQ348           CHECKING TOTAL VALUE - RESULT
HRS 2006-2020:
    xU001_6         ASSET RECONCILIATION-CHECKING
    xU002_6         ASSET RECON WHICH WRONG-CHECKING
    xU003_6A        ASSET RECON HOW MUCH -A-CHECKING
    xU003_6B        ASSET RECON HOW MUCH-B-CHECKING
    xU004_6A        ASSET RECON -MIN-A-CHECKING
    xU004_6B        ASSET RECON -MIN-B-CHECKING
    xU005_6A        ASSET RECON -MAX-A -CHECKING
    xU005_6B        ASSET RECON-MAX-B -CHECKING
    xU006_6A        ASSET RECON - RESULT-A-CHECKING
    xU006_6B        ASSET RECON - RESULT-B-CHECKING
    xU022_6A        WHICH WAVE WRONG-A-CHECKING
    xU022_6B        WHICH WAVE WRONG-B-CHECKING
```

Value of CD, government savings bonds, and T-bills

Wave	Variable	Label	Type
1	H1ACD	H1ACD:W1 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
2	H2ACD	H2ACD:W2 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
3	H3ACD	H3ACD:W3 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
4	H4ACD	H4ACD:W4 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
5	H5ACD	H5ACD:W5 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
6	H6ACD	H6ACD:W6 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
7	H7ACD	H7ACD:W7 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
8	H8ACD	H8ACD:W8 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
9	H9ACD	H9ACD:W9 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
10	H10ACD	H10ACD:W10 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
11	H11ACD	H11ACD:W11 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
12	H12ACD	H12ACD:W12 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
13	H13ACD	H13ACD:W13 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
14	H14ACD	H14ACD:W14 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
15	H15ACD	H15ACD:W15 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
16	H16ACD	H16ACD:W16 Assets:CDs,SvBonds,T-bills--Cross-wave	Cont
1	H1AFCD	H1AFCD:W1 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
2	H2AFCD	H2AFCD:W2 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
3	H3AFCD	H3AFCD:W3 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
4	H4AFCD	H4AFCD:W4 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
5	H5AFCD	H5AFCD:W5 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
6	H6AFCD	H6AFCD:W6 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
7	H7AFCD	H7AFCD:W7 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
8	H8AFCD	H8AFCD:W8 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
9	H9AFCD	H9AFCD:W9 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
10	H10AFCD	H10AFCD:W10 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
11	H11AFCD	H11AFCD:W11 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
12	H12AFCD	H12AFCD:W12 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
13	H13AFCD	H13AFCD:W13 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
14	H14AFCD	H14AFCD:W14 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
15	H15AFCD	H15AFCD:W15 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ
16	H16AFCD	H16AFCD:W16 Assets Flag:CDs,SvBonds,T-bills--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ACD	12652	7002.42	43757.47	0.0	2278248.1
H2ACD	19642	7690.41	34158.43	0.0	1000000.0
H3ACD	17991	11852.33	56541.11	0.0	3000000.0
H4ACD	21384	11294.21	54885.25	0.0	4000000.0
H5ACD	19578	13787.13	64869.35	0.0	2750000.0
H6ACD	18165	12664.34	57065.01	0.0	2000000.0
H7ACD	20129	10711.57	52359.08	0.0	2000000.0
H8ACD	18469	16021.14	61214.62	0.0	1200000.0
H9ACD	17217	19222.15	76655.62	0.0	2500000.0
H10ACD	22034	11502.64	59592.15	0.0	2200000.0
H11ACD	20554	9412.01	53832.22	0.0	1000000.0
H12ACD	18747	8834.24	91354.02	0.0	10000000.0
H13ACD	20912	6826.97	50591.40	0.0	2500000.0
H14ACD	17146	6874.98	53542.32	0.0	2000000.0
H15ACD	15723	7110.54	60969.72	0.0	3000000.0
H16ACD	15787	7472.39	62862.81	0.0	2000000.0
H1AFCD	12652	4.89	2.05	1.0	9.0
H2AFCD	19642	5.07	1.96	1.0	9.0

H3AFCD	17991	4.95	2.04	1.0	9.0
H4AFCD	21384	5.02	1.99	1.0	9.0
H5AFCD	19578	4.97	2.02	1.0	9.0
H6AFCD	18165	5.03	1.97	1.0	9.0
H7AFCD	20129	5.21	1.82	1.0	9.0
H8AFCD	18469	5.02	1.98	1.0	9.0
H9AFCD	17217	5.01	1.99	1.0	9.0
H10AFCD	22034	5.37	1.79	1.0	9.0
H11AFCD	20554	5.49	1.58	1.0	9.0
H12AFCD	18747	5.57	1.50	1.0	9.0
H13AFCD	20912	5.69	1.39	1.0	9.0
H14AFCD	17146	5.71	1.40	1.0	9.0
H15AFCD	15723	5.75	1.39	1.0	9.0
H16AFCD	15787	5.79	1.32	1.0	9.0

Categorical Variable Codes

HwAFCD: Assets Flag:CDs,SvBonds,T-bills--Cross-wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	2343	3060	3165	3536	3408	3084	2722	3217	3057	2720
2.Complete bracket	470	818	795	842	760	510	536	447	416	377
3.Incomplete bracket	59	80	73	77	67	42	41	75	66	80
4.Range card bracket	213									
5.No value/bracket	204	368	446	699	775	730	691	707	649	375
6.No asset	9149	14760	13017	15495	13941	13179	15556	13485	12492	17529
7.DK ownership	119	379	369	564	503	575	496	475	463	556
9.No Fin resp	95	177	126	171	124	45	87	63	74	397

Value	w11	w12	w13	w14	w15	w16
1.Continuous value	1998	1573	1392	1158	994	888
2.Complete bracket	261	204	205	118	116	93
3.Incomplete bracket	57	48	53	37	28	24
4.Range card bracket						
5.No value/bracket	317	242	200	140	154	132
6.No asset	17287	16041	18236	14878	13607	13779
7.DK ownership	465	443	453	430	396	441
9.No Fin resp	169	196	373	385	428	430

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The reported or imputed value of CDs, government savings bonds, and treasury bills is assigned to HwACD. The HwAFCD variable indicates whether the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Cross Wave Differences in Original HRS Data

The value of CDs, government savings bonds, and treasury bills is asked in each wave. The question wording is similar in all waves, but the unfolding bracket questions vary. Two questions reveal whether the Respondent owns any CDs, government savings bonds, or T-bills and if so, the value of them.

In Wave 1, the questions ask:

a) "Do you (or your (husband/wife/partner)) have any money in certificates of deposit, government savings bonds, or Treasury bills?"

b) "If you added up all such accounts (for you and your (husband/wife/partner)), about how much would they amount to right now?"

Beginning in Wave 2, initial wording is added to the first question:

a) "(Aside from anything you have already told me about. . .) do you (or your (husband/wife/partner)) have any money in certificates of deposit, government savings bonds, or Treasury bills?"

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

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HRS 1992:
    V15225          M14:CD/SAV BOND/T-BI:IND
    V15226          M15:$VAL OF CD/BOND/:IND
    V5225           M14:CD/SAV BOND/T-BI:IMP
    V5226           M15:$VAL OF CD/BOND/:IMP
    V5227           M15:ORIGINAL BRACKETS
AHEAD 1993:
    B1755           K14. CD/SAV BONDS: ANY
    B1756           K15. CD/SAV BONDS: TOTAL VALUE $
    B1756C          CATEG: K15. CD/SAV BONDS: TOTAL VALUE $
HRS 1994:
    W15517          K13. Imputation Indicato
    W15518          K14. Imputation Indicato
    W5517           K13.CODS/SAVINGS BONDS/T
    W5518           K14.AMOUNT IN CODS/BONDS
    W5519           K14a-K14d. Brackets
AHEAD 1995:
    D4463           J47.CD,TBILL ASSETS
    D4464           J48.TOTAL $ CD
    D4468B          J48.TOTAL $ CD/Bkt
HRS 1996:
    E4464           J229.CD,TBILL ASSETS
    E4465           J230.TOTAL $ CD
    E4466B          J230.TOTAL $ CD/Bkt
HRS 1998:
    F5224           J229.CD,TBILL ASSETS
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    F5225           J230.TOTAL $ CD
    F5226B          J230.(J48)TOTAL $ CD-Bkt
HRS 2000:
    G5650           J229.CD-TBILL ASSETS
    G5651           J230.TOTAL $ CD
    G5652           J230A. DK-2500
    G5653           J230Y1A.DK-$25K
    G5654           J230B.DK-$125K
    G5655           J230C.DK-$250K
    G5656           J230Y2A.DK-$25K
    G5657           J230Y3A.DK-2500
HRS 2002:
    TYPASST         TYPE OF ASSETS
HRS 2002:
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
HRS 2004:
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2002-2022:
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    xQ356           CDS GOVT SAVINGS TBILLS
    xQ357           CDS GOVT SAVINGS TBILLS TOTAL VALUE
    xQ358           CDS TOTAL VALUE - MIN
    xQ359           CDS TOTAL VALUE - MAX
    xQ360           CDS TOTAL VALUE - RESULT
HRS 2006-2020:
    xU001_5         ASSET RECONCILIATION-CD
    xU002_5         ASSET RECONCILIATION WHICH WRONG-CD
    xU003_5A        ASSET RECONCILIATION HOW MUCH -A-CD
    xU003_5B        ASSET RECONCILIATION HOW MUCH-B-CD
    xU004_5A        ASSET RECONCILIATION -MIN-A-CD
    xU004_5B        ASSET RECONCILIATION -MIN-B-CD
    xU005_5A        ASSET RECONCILIATION -MAX-A -CD
    xU005_5B        ASSET RECONCILIATION -MAX-B -CD
    xU006_5A        ASSET RECONCILIATION - RESULT-A-CD
    xU006_5B        ASSET RECONCILIATION - RESULT-B-CD
    xU022_5A        WHICH WAVE VALUE WAS WRONG-A-CD
    xU022_5B        WHICH WAVE VALUE WAS WRONG-B-CD
```

Net value of bonds and bond funds

Wave	Variable	Label	Type
1	H1ABOND	H1ABOND:W1 Assets:Bonds--Cross-wave	Cont
2	H2ABOND	H2ABOND:W2 Assets:Bonds--Cross-wave	Cont
3	H3ABOND	H3ABOND:W3 Assets:Bonds--Cross-wave	Cont
4	H4ABOND	H4ABOND:W4 Assets:Bonds--Cross-wave	Cont
5	H5ABOND	H5ABOND:W5 Assets:Bonds--Cross-wave	Cont
6	H6ABOND	H6ABOND:W6 Assets:Bonds--Cross-wave	Cont
7	H7ABOND	H7ABOND:W7 Assets:Bonds--Cross-wave	Cont
8	H8ABOND	H8ABOND:W8 Assets:Bonds--Cross-wave	Cont
9	H9ABOND	H9ABOND:W9 Assets:Bonds--Cross-wave	Cont
10	H10ABOND	H10ABOND:W10 Assets:Bonds--Cross-wave	Cont
11	H11ABOND	H11ABOND:W11 Assets:Bonds--Cross-wave	Cont
12	H12ABOND	H12ABOND:W12 Assets:Bonds--Cross-wave	Cont
13	H13ABOND	H13ABOND:W13 Assets:Bonds--Cross-wave	Cont
14	H14ABOND	H14ABOND:W14 Assets:Bonds--Cross-wave	Cont
15	H15ABOND	H15ABOND:W15 Assets:Bonds--Cross-wave	Cont
16	H16ABOND	H16ABOND:W16 Assets:Bonds--Cross-wave	Cont
1	H1AFBOND	H1AFBOND:W1 Assets Flag:Bonds--Cross-wave	Categ
2	H2AFBOND	H2AFBOND:W2 Assets Flag:Bonds--Cross-wave	Categ
3	H3AFBOND	H3AFBOND:W3 Assets Flag:Bonds--Cross-wave	Categ
4	H4AFBOND	H4AFBOND:W4 Assets Flag:Bonds--Cross-wave	Categ
5	H5AFBOND	H5AFBOND:W5 Assets Flag:Bonds--Cross-wave	Categ
6	H6AFBOND	H6AFBOND:W6 Assets Flag:Bonds--Cross-wave	Categ
7	H7AFBOND	H7AFBOND:W7 Assets Flag:Bonds--Cross-wave	Categ
8	H8AFBOND	H8AFBOND:W8 Assets Flag:Bonds--Cross-wave	Categ
9	H9AFBOND	H9AFBOND:W9 Assets Flag:Bonds--Cross-wave	Categ
10	H10AFBOND	H10AFBOND:W10 Assets Flag:Bonds--Cross-wave	Categ
11	H11AFBOND	H11AFBOND:W11 Assets Flag:Bonds--Cross-wave	Categ
12	H12AFBOND	H12AFBOND:W12 Assets Flag:Bonds--Cross-wave	Categ
13	H13AFBOND	H13AFBOND:W13 Assets Flag:Bonds--Cross-wave	Categ
14	H14AFBOND	H14AFBOND:W14 Assets Flag:Bonds--Cross-wave	Categ
15	H15AFBOND	H15AFBOND:W15 Assets Flag:Bonds--Cross-wave	Categ
16	H16AFBOND	H16AFBOND:W16 Assets Flag:Bonds--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ABOND	12652	2879.95	30451.56	0.0	1500000.0
H2ABOND	19642	4690.61	63715.09	0.0	4500000.0
H3ABOND	17991	7726.09	75219.90	0.0	4500000.0
H4ABOND	21384	7415.42	76358.99	0.0	4000000.0
H5ABOND	19578	7468.70	62012.39	0.0	3000000.0
H6ABOND	18165	9525.70	80088.61	0.0	3500000.0
H7ABOND	20129	10917.25	104352.42	0.0	6000000.0
H8ABOND	18469	10247.34	98582.17	0.0	3500000.0
H9ABOND	17217	9970.21	89681.87	0.0	3000000.0
H10ABOND	22034	8207.78	81282.96	0.0	4000000.0
H11ABOND	20554	9925.52	205300.20	0.0	25000000.0
H12ABOND	18747	8373.76	115371.91	0.0	8500000.0
H13ABOND	20912	8205.56	130887.08	0.0	15000000.0
H14ABOND	17146	11212.53	143111.05	0.0	10000000.0
H15ABOND	15723	8387.52	84355.19	0.0	3000000.0
H16ABOND	15787	7359.47	84650.21	0.0	4500000.0
H1AFBOND	12652	5.76	1.13	1.0	9.0
H2AFBOND	19642	5.79	1.11	1.0	9.0
H3AFBOND	17991	5.67	1.29	1.0	9.0

H4AFBOND	21384	5.73	1.22	1.0	9.0
H5AFBOND	19578	5.74	1.18	1.0	9.0
H6AFBOND	18165	5.71	1.20	1.0	9.0
H7AFBOND	20129	5.74	1.16	1.0	9.0
H8AFBOND	18469	5.78	1.07	1.0	9.0
H9AFBOND	17217	5.76	1.12	1.0	9.0
H10AFBOND	22034	5.85	1.11	1.0	9.0
H11AFBOND	20554	5.82	1.04	1.0	9.0
H12AFBOND	18747	5.86	0.99	1.0	9.0
H13AFBOND	20912	5.90	0.97	1.0	9.0
H14AFBOND	17146	5.93	0.97	1.0	9.0
H15AFBOND	15723	5.97	0.95	1.0	9.0
H16AFBOND	15787	5.98	0.93	1.0	9.0

Categorical Variable Codes

HwAFBOND: Assets Flag:Bonds--Cross-wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	560	774	977	1016	878	905	894	725	741	813
2.Complete bracket	94	222	343	335	271	234	261	166	163	169
3.Incomplete bracket	8	37	24	36	33	28	23	18	24	36
4.Range card bracket	49									
5.No value/bracket	76	102	158	225	288	243	260	230	188	163
6.No asset	11661	18010	16121	19151	17561	16283	18189	16923	15709	20012
7.DK ownership	109	320	242	450	423	427	415	344	318	444
9.No Fin resp	95	177	126	171	124	45	87	63	74	397

Value	w11	w12	w13	w14	w15	w16
1.Continuous value	717	567	542	412	337	318
2.Complete bracket	159	124	144	103	79	71
3.Incomplete bracket	27	29	30	24	24	22
4.Range card bracket						
5.No value/bracket	171	138	149	109	84	87
6.No asset	18971	17327	19312	15779	14380	14506
7.DK ownership	340	366	362	334	391	353
9.No Fin resp	169	196	373	385	428	430

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The reported or imputed net value of bonds or bond funds is assigned to HwABOND. The HwAFBOND variable indicates whether the value is imputed, and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Cross Wave Differences in Original HRS Data

The net value of bonds or bond funds is asked in each wave. The question wording is similar in all waves, but the unfolding bracket questions vary. Two questions reveal whether the Respondent owns any bonds or bond funds and if so, the value of them.

In Wave 1, the questions ask:

a) "Do you (or your (husband/wife/partner)) have any corporate, municipal, government, or foreign bonds, or any bond funds?"

b) "If you sold all those bonds or bond funds and paid off anything you owed on them, how much would you have?"

Beginning in Wave 2, initial wording is added to the first question:

a) "(Aside from anything you have already told me about...) do you (or your (husband/wife/partner)) have any corporate, municipal, government, or foreign bonds, or any bond funds?"

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

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HRS 1992:
    V15229          M16:R/SP OWN ANY BON:IND
    V15230          M17:$ VAL OF THESE B:IND
    V5229           M16:R/SP OWN ANY BON:IMP
    V5230           M17:$ VAL OF THESE B:IMP
    V5231           M17:ORIGINAL BRACKETS
AHEAD 1993:
    B1761           K16. CORP/GOVT BONDS: ANY
    B1762           K17. CORP/GOVT BONDS: NET VALUE
    B1762C          CATEG: K17. CORP/GOVT BONDS: NET VALUE
HRS 1994:
    W15520          K15. Imputation Indicato
    W15521          K16. Imputation Indicato
    W5520           K15.OWN CORPORATE/GOVT B
    W5521           K16.VALUE OF BONDS
    W5522           K16a-K16d. Brackets
AHEAD 1995:
    D4381           J40.BOND ASSETS
    D4382           J41.TOTAL $ BONDS
    D4386B          J41.TOTAL $ BONDS/Bkt
HRS 1996:
    E4382           J215.BOND ASSETS
    E4383           J216.TOTAL $ BONDS
    E4384B          J216.TOTAL $ BONDS/Bkt
HRS 1998:
    F5142           J215.BOND ASSETS
    F5143           J216.TOTAL $ BONDS
    F5144B          J216.(J41)TOTAL $ BONDS-Bkt
HRS 2000:
    G5587           J215.BOND ASSETS
    G5588           J216.TOTAL $ BONDS
    G5589           J216A.BONDS DK-2500
    G5590           J216Y1A.BONDS DK-$10K
    G5591           J216B.BONDS DK-$100K
    G5593           J216C.BONDS DK-$400K
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    G5594           J216Y2A.BONDS DK-$10K
    G5595           J216D.BONDS DK-2500
HRS 2002:
    TYPASST         TYPE OF ASSETS
HRS 2002:
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
HRS 2004:
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2002-2022:
    xQ330           BOND ASSETS
    xQ331           BOND ASSETS TOTAL VALUE
    xQ332           BOND ASSETS TOTAL VALUE - MIN
    xQ333           BOND ASSETS TOTAL VALUE - MAX
    xQ334           BOND ASSETS TOTAL VALUE - RESULT
HRS 2006-2020:
    xU001_7         ASSET RECONCILIATION-BOND
    xU002_7         ASSET RECONCILIATION WHICH WRONG-BOND
    xU003_7A        ASSET RECONCILIATION HOW MUCH -A-BOND
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xU003_7B	ASSET RECONCILIATION HOW MUCH-B-BOND
xU004_7A	ASSET RECONCILIATION -MIN-A-BOND
xU004_7B	ASSET RECONCILIATION -MIN-B-BOND
xU005_7A	ASSET RECONCILIATION -MAX-A -BOND
xU005_7B	ASSET RECONCILIATION -MAX-B -BOND
xU006_7A	ASSET RECONCILIATION - RESULT-A-BOND
xU006_7B	ASSET RECONCILIATION - RESULT-B-BOND
xU022_7A	WHICH WAVE VALUE WAS WRONG-A-BOND
xU022_7B	WHICH WAVE VALUE WAS WRONG-B-BOND

Net value of all other savings

Wave	Variable	Label	Type
1	H1AOTHR	H1AOTHR:W1 Assets:Other svngs, assets--Cross-wave	Cont
2	H2AOTHR	H2AOTHR:W2 Assets:Other svngs, assets--Cross-wave	Cont
3	H3AOTHR	H3AOTHR:W3 Assets:Other svngs, assets--Cross-wave	Cont
4	H4AOTHR	H4AOTHR:W4 Assets:Other svngs, assets--Cross-wave	Cont
5	H5AOTHR	H5AOTHR:W5 Assets:Other svngs, assets--Cross-wave	Cont
6	H6AOTHR	H6AOTHR:W6 Assets:Other svngs, assets--Cross-wave	Cont
7	H7AOTHR	H7AOTHR:W7 Assets:Other svngs, assets--Cross-wave	Cont
8	H8AOTHR	H8AOTHR:W8 Assets:Other svngs, assets--Cross-wave	Cont
9	H9AOTHR	H9AOTHR:W9 Assets:Other svngs, assets--Cross-wave	Cont
10	H10AOTHR	H10AOTHR:W10 Assets:Other svngs, assets--Cross-wave	Cont
11	H11AOTHR	H11AOTHR:W11 Assets:Other svngs, assets--Cross-wave	Cont
12	H12AOTHR	H12AOTHR:W12 Assets:Other svngs, assets--Cross-wave	Cont
13	H13AOTHR	H13AOTHR:W13 Assets:Other svngs, assets--Cross-wave	Cont
14	H14AOTHR	H14AOTHR:W14 Assets:Other svngs, assets--Cross-wave	Cont
15	H15AOTHR	H15AOTHR:W15 Assets:Other svngs, assets--Cross-wave	Cont
16	H16AOTHR	H16AOTHR:W16 Assets:Other svngs, assets--Cross-wave	Cont
1	H1AFOTHR	H1AFOTHR:W1 Assets Flag:Other svngs,assets--Cross-wave	Categ
2	H2AFOTHR	H2AFOTHR:W2 Assets Flag:Other svngs,assets--Cross-wave	Categ
3	H3AFOTHR	H3AFOTHR:W3 Assets Flag:Other svngs,assets--Cross-wave	Categ
4	H4AFOTHR	H4AFOTHR:W4 Assets Flag:Other svngs,assets--Cross-wave	Categ
5	H5AFOTHR	H5AFOTHR:W5 Assets Flag:Other svngs,assets--Cross-wave	Categ
6	H6AFOTHR	H6AFOTHR:W6 Assets Flag:Other svngs,assets--Cross-wave	Categ
7	H7AFOTHR	H7AFOTHR:W7 Assets Flag:Other svngs,assets--Cross-wave	Categ
8	H8AFOTHR	H8AFOTHR:W8 Assets Flag:Other svngs,assets--Cross-wave	Categ
9	H9AFOTHR	H9AFOTHR:W9 Assets Flag:Other svngs,assets--Cross-wave	Categ
10	H10AFOTHR	H10AFOTHR:W10 Assets Flag:Other svngs,assets--Cross-wave	Categ
11	H11AFOTHR	H11AFOTHR:W11 Assets Flag:Other svngs,assets--Cross-wave	Categ
12	H12AFOTHR	H12AFOTHR:W12 Assets Flag:Other svngs,assets--Cross-wave	Categ
13	H13AFOTHR	H13AFOTHR:W13 Assets Flag:Other svngs,assets--Cross-wave	Categ
14	H14AFOTHR	H14AFOTHR:W14 Assets Flag:Other svngs,assets--Cross-wave	Categ
15	H15AFOTHR	H15AFOTHR:W15 Assets Flag:Other svngs,assets--Cross-wave	Categ
16	H16AFOTHR	H16AFOTHR:W16 Assets Flag:Other svngs,assets--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AOTHR	12652	8089.93	57519.77	0.0	3000000.0
H2AOTHR	19642	6338.98	32430.29	0.0	1000000.0
H3AOTHR	17991	7306.33	49047.72	0.0	2000000.0
H4AOTHR	21384	9021.50	87893.80	0.0	6000000.0
H5AOTHR	19578	9296.34	68362.30	0.0	3155000.0
H6AOTHR	18165	16951.44	708117.52	0.0	90000000.0
H7AOTHR	20129	12935.93	98776.76	0.0	5000000.0
H8AOTHR	18469	15324.80	173920.44	0.0	15000000.0
H9AOTHR	17217	14145.45	148124.53	0.0	15000000.0
H10AOTHR	22034	13747.99	189106.87	-50000.0	18000000.0
H11AOTHR	20554	10943.95	87962.83	0.0	5000000.0
H12AOTHR	18747	11580.95	78618.47	0.0	2200000.0
H13AOTHR	20912	10904.98	72218.89	0.0	2500000.0
H14AOTHR	17146	15557.57	177364.31	0.0	11000000.0
H15AOTHR	15723	15661.55	134843.78	0.0	7800000.0
H16AOTHR	15787	16697.29	119225.13	0.0	6000000.0
H1AFOTHR	12652	5.34	1.70	1.0	9.0
H2AFOTHR	19642	5.22	1.85	1.0	9.0

H3AFOTHR	17991	5.34	1.72	1.0	9.0
H4AFOTHR	21384	5.41	1.66	1.0	9.0
H5AFOTHR	19578	5.39	1.67	1.0	9.0
H6AFOTHR	18165	5.43	1.61	1.0	9.0
H7AFOTHR	20129	5.29	1.76	1.0	9.0
H8AFOTHR	18469	5.30	1.74	1.0	9.0
H9AFOTHR	17217	5.32	1.73	1.0	9.0
H10AFOTHR	22034	5.36	1.79	1.0	9.0
H11AFOTHR	20554	5.36	1.73	1.0	9.0
H12AFOTHR	18747	5.33	1.78	1.0	9.0
H13AFOTHR	20912	5.44	1.71	1.0	9.0
H14AFOTHR	17146	5.45	1.73	1.0	9.0
H15AFOTHR	15723	5.50	1.71	1.0	9.0
H16AFOTHR	15787	5.50	1.71	1.0	9.0

Categorical Variable Codes

HwAFOTHR: Assets Flag:Other svngs,assets--Cross-wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	1427	2707	2124	2234	2082	1862	2507	2294	2088	2718
2.Complete bracket	303	585	400	509	481	317	497	380	373	451
3.Incomplete bracket	22	35	15	27	24	21	21	26	30	61
4.Range card bracket	110									
5.No value/bracket	126	156	141	183	217	194	323	239	219	215
6.No asset	10453	15686	14969	17857	16359	15381	16361	15207	14175	17784
7.DK ownership	116	296	216	403	291	345	333	260	258	408
9.No Fin resp	95	177	126	171	124	45	87	63	74	397

Value	w11	w12	w13	w14	w15	w16
1.Continuous value	2467	2400	2344	1893	1662	1688
2.Complete bracket	349	331	312	284	223	202
3.Incomplete bracket	30	27	23	41	34	38
4.Range card bracket						
5.No value/bracket	188	179	193	156	124	130
6.No asset	16987	15234	17281	14047	12894	12933
7.DK ownership	364	380	386	340	358	366
9.No Fin resp	169	196	373	385	428	430

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The reported or imputed net value of all other savings is assigned to HwAOTHR. The HwAFOTHR variable indicates whether the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Users should note that there are two Respondents in Wave 6 who reported large values in Section U, much higher than their reported amounts in Section Q.

1. HHIDPN: 10893010 reported no ownership for the asset "other personal items of value" in Section Q and a value of $90,000,000 in Section U for the same asset.

2. HHIDPN: 131812010 reported a complete bracket of $100,001+ in Section Q for the same asset type. However, in Section U a value of $30,000,000 was reported.

Since the RAND HRS wealth imputation process uses the corrected Section U values when available, the final values for these 2 cases are 90 and 30 million dollars, respectively. Therefore, please use caution when drawing inferences about total wealth from Wave 6, as these 2 cases largely influence the total wealth values.

Cross Wave Differences in Original HRS Data

The net value of all other savings is asked in each wave. The question wording is slightly different across waves and the unfolding bracket questions vary. Two questions reveal whether the Respondent owns any other savings funds and if so, the value of them:

In Wave 1, the questions ask:

a) "Do you (or your (husband/wife/partner)) have any other savings or assets, such as money owed to you by others, a valuable collection for investment purposes, an annuity, or rights in a trust or estate that you haven't already told me about?"

b) "If you sold all that and then paid off any debts on it, about how much would you have?"

In Wave 2, the wording to the initial question changes slightly:

a) "Do you (or your (husband/wife/partner)) have any other savings or assets, such as jewelry, money owed to you by others, a collection for investment purposes, or an annuity that you haven't already told me about?"

Beginning in Wave 3, the initial question combines the wording found in Waves 1 and 2:

a) "Do you (or your (husband/wife/partner)) have any other savings or assets, such as jewelry, money owed to you by others, a collection for investment purposes, rights in a trust or estate where you are the beneficiary, or an annuity that you haven't already told me about? EXCLUDE THE CASH VALUE OF ANY LIFE INSURANCE POLICIES"

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

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HRS 1992:
    V15233          M18:OTHER SAVINGS/AS:IND
    V15234          M19:$ VAL OF SAV/ASS:IND
    V5233           M18:OTHER SAVINGS/AS:IMP
    V5234           M19:$ VAL OF SAV/ASS:IMP
    V5235           M19:ORIGINAL BRACKETS
AHEAD 1993:
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    B1782           K21. OTHER ASSETS: ANY
    B1783           K22. OTH ASSETS: NET VALUE
    B1783C          CATEG: K22. OTH ASSETS: NET VALUE
HRS 1994:
    W15523          K17. Imputation Indicato
    W15524          K18. Imputation Indicato
    W5523           K17.OTHER SAVINGS/ASSETS
    W5524           K18.VALUE OF OTHER SAVIN
    W5525           K18a-K18c. Brackets
AHEAD 1995:
    D4512           J52.OTHER ASSETS
    D4513           J53.OTHER ASSETS $
    D4514B          J53.OTHER ASSETS $/Bkt
HRS 1996:
    E4513           J239.OTHER ASSETS
    E4514           J240.OTHER ASSETS $
    E4515B          J240.OTHER ASSETS $/Bkt
HRS 1998:
    F5273           J239.OTHER ASSETS
    F5274           J240.OTHER ASSETS $
    F5275B          J240.(J53)OTHER ASSETS $-Bkt
HRS 2000:
    G5694           J239.OTHER ASSETS
    G5695           J240.OTHER ASSETS $
    G5696           J240A. DK-5K
    G5697           J240Y1A. DK-50000
    G5698           J240B. DK-100000
    G5699           J240Y1B. DK-50000
    G5700           J240D. DK-5000
HRS 2002:
    TYPASST         TYPE OF ASSETS
HRS 2002:
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
HRS 2004:
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
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    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2022:
    SQU001_5        ASSET RECONCILIATION - OTHER
    SQU002_5        ASSET RECONCILIATION - WHICH WRONG-OTHER
    SQU003_5A       ASSET RECONCILIATION - HOW MUCH -A-OTHER
    SQU003_5B       ASSET RECONCILIATION - HOW MUCH-B-OTHER
    SQU004_5A       ASSET RECONCILIATION - MIN-A-OTHER
    SQU004_5B       ASSET RECONCILIATION - MIN-B-OTHER
    SQU005_5A       ASSET RECONCILIATION - MAX-A -OTHER
    SQU005_5B       ASSET RECONCILIATION - MAX-B -OTHER
    SQU006_5A       ASSET RECONCILIATION - RESULT-A-OTHER
    SQU006_5B       ASSET RECONCILIATION - RESULT-B-OTHER
    SQU022_5A       WHICH WAVE WRONG-A-OTHER
    SQU022_5B       WHICH WAVE VALUE WAS WRONG-B-OTHER
HRS 2002-2022:
    xQ375           OTHER ASSETS
    xQ376           OTHER ASSETS TOTAL VALUE
    xQ377           OTHER ASSETS TOTAL VALUE - MIN
    xQ378           OTHER ASSETS TOTAL VALUE -  MAX
    xQ379           OTHER ASSETS TOTAL VALUE-RESULT
HRS 2004-2020:
    xU001_3         ASSET RECONCILIATION STEM QUESTION -3
    xU002_3         ASSET RECONCILIATION WHICH WRONG - 3
HRS 2006-2020:
    xU003_3A        ASSET RECONCILIATION HOW MUCH -A-OTHER
    xU003_3B        ASSET RECONCILIATION HOW MUCH-B-OTHER
    xU004_3A        ASSET RECONCILIATION -MIN-A-OTHER
    xU004_3B        ASSET RECONCILIATION -MIN-B-OTHER
    xU005_3A        ASSET RECONCILIATION -MAX-A -OTHER
    xU005_3B        ASSET RECONCILIATION -MAX-B -OTHER
    xU006_3A        ASSET RECONCILIATION - RESULT-A-OTHER
    xU006_3B        ASSET RECONCILIATION - RESULT-B-OTHER
    xU022_3A        WHICH WAVE VALUE WAS WRONG-A-OTHER
    xU022_3B        WHICH WAVE VALUE WAS WRONG-B-OTHER
```

Value of other debt

Wave	Variable	Label	Type
1	H1ADEBT	H1ADEBT:W1 Assets:Debts--Cross-wave	Cont
2	H2ADEBT	H2ADEBT:W2 Assets:Debts--Cross-wave	Cont
3	H3ADEBT	H3ADEBT:W3 Assets:Debts--Cross-wave	Cont
4	H4ADEBT	H4ADEBT:W4 Assets:Debts--Cross-wave	Cont
5	H5ADEBT	H5ADEBT:W5 Assets:Debts--Cross-wave	Cont
6	H6ADEBT	H6ADEBT:W6 Assets:Debts--Cross-wave	Cont
7	H7ADEBT	H7ADEBT:W7 Assets:Debts--Cross-wave	Cont
8	H8ADEBT	H8ADEBT:W8 Assets:Debts--Cross-wave	Cont
9	H9ADEBT	H9ADEBT:W9 Assets:Debts--Cross-wave	Cont
10	H10ADEBT	H10ADEBT:W10 Assets:Debts--Cross-wave	Cont
11	H11ADEBT	H11ADEBT:W11 Assets:Debts--Cross-wave	Cont
12	H12ADEBT	H12ADEBT:W12 Assets:Debts--Cross-wave	Cont
13	H13ADEBT	H13ADEBT:W13 Assets:Debts--Cross-wave	Cont
14	H14ADEBT	H14ADEBT:W14 Assets:Debts--Cross-wave	Cont
15	H15ADEBT	H15ADEBT:W15 Assets:Debts--Cross-wave	Cont
16	H16ADEBT	H16ADEBT:W16 Assets:Debts--Cross-wave	Cont
1	H1AFDEBT	H1AFDEBT:W1 Assets Flag:Debts--Cross-wave	Categ
2	H2AFDEBT	H2AFDEBT:W2 Assets Flag:Debts--Cross-wave	Categ
3	H3AFDEBT	H3AFDEBT:W3 Assets Flag:Debts--Cross-wave	Categ
4	H4AFDEBT	H4AFDEBT:W4 Assets Flag:Debts--Cross-wave	Categ
5	H5AFDEBT	H5AFDEBT:W5 Assets Flag:Debts--Cross-wave	Categ
6	H6AFDEBT	H6AFDEBT:W6 Assets Flag:Debts--Cross-wave	Categ
7	H7AFDEBT	H7AFDEBT:W7 Assets Flag:Debts--Cross-wave	Categ
8	H8AFDEBT	H8AFDEBT:W8 Assets Flag:Debts--Cross-wave	Categ
9	H9AFDEBT	H9AFDEBT:W9 Assets Flag:Debts--Cross-wave	Categ
10	H10AFDEBT	H10AFDEBT:W10 Assets Flag:Debts--Cross-wave	Categ
11	H11AFDEBT	H11AFDEBT:W11 Assets Flag:Debts--Cross-wave	Categ
12	H12AFDEBT	H12AFDEBT:W12 Assets Flag:Debts--Cross-wave	Categ
13	H13AFDEBT	H13AFDEBT:W13 Assets Flag:Debts--Cross-wave	Categ
14	H14AFDEBT	H14AFDEBT:W14 Assets Flag:Debts--Cross-wave	Categ
15	H15AFDEBT	H15AFDEBT:W15 Assets Flag:Debts--Cross-wave	Categ
16	H16AFDEBT	H16AFDEBT:W16 Assets Flag:Debts--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ADEBT	12652	3115.91	19009.72	0.0	900000.0
H2ADEBT	19642	2169.01	10787.81	0.0	500000.0
H3ADEBT	17991	2337.43	12832.11	0.0	500000.0
H4ADEBT	21384	3504.08	67395.02	0.0	6666733.0
H5ADEBT	19578	2601.24	14888.53	0.0	700000.0
H6ADEBT	18165	2943.10	18767.52	0.0	800000.0
H7ADEBT	20129	4016.44	34597.53	0.0	2400000.0
H8ADEBT	18469	4106.64	37905.73	0.0	2200000.0
H9ADEBT	17217	4362.62	32092.08	0.0	1900000.0
H10ADEBT	22034	6015.32	32346.83	0.0	2000000.0
H11ADEBT	20554	5282.15	28692.46	0.0	1700000.0
H12ADEBT	18747	5076.04	25868.98	0.0	1500000.0
H13ADEBT	20912	6076.81	33912.41	0.0	2000000.0
H14ADEBT	17146	5960.30	33215.05	0.0	2000000.0
H15ADEBT	15723	5174.86	30696.37	0.0	2500000.0
H16ADEBT	15787	7792.03	28886.23	0.0	1100000.0
H1AFDEBT	12652	0.53	0.95	0.0	9.0
H2AFDEBT	19642	0.41	0.99	0.0	9.0
H3AFDEBT	17991	0.39	0.91	0.0	9.0

H4AFDEBT	21384	0.40	0.96	0.0	9.0
H5AFDEBT	19578	0.38	0.89	0.0	9.0
H6AFDEBT	18165	0.33	0.71	0.0	9.0
H7AFDEBT	20129	0.39	0.81	0.0	9.0
H8AFDEBT	18469	0.38	0.76	0.0	9.0
H9AFDEBT	17217	0.40	0.80	0.0	9.0
H10AFDEBT	22034	0.57	1.28	0.0	9.0
H11AFDEBT	20554	0.46	0.96	0.0	9.0
H12AFDEBT	18747	0.47	1.04	0.0	9.0
H13AFDEBT	20912	0.56	1.27	0.0	9.0
H14AFDEBT	17146	0.59	1.40	0.0	9.0
H15AFDEBT	15723	0.60	1.51	0.0	9.0
H16AFDEBT	15787	0.80	1.52	0.0	9.0

Categorical Variable Codes

HwAFDEBT: Assets Flag:Debts--Cross-wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No asset	7415	13859	12914	15443	13973	13459	14012	12842	11725	13688
1.No imputations	4400	4726	4106	4627	4565	3697	4933	4649	4598	6893
2.Some imputation	742	880	845	1143	916	964	1097	915	820	1056
9.No Fin resp	95	177	126	171	124	45	87	63	74	397

Value	w11	w12	w13	w14	w15	w16
0.No asset	13347	12265	13074	10834	10297	8088
1.No imputations	6160	5500	6545	5155	4367	5758
2.Some imputation	878	786	920	772	631	1511
9.No Fin resp	169	196	373	385	428	430

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The reported or imputed value of debt is assigned to HwADEBT. In Waves 1-15, this is based solely on the "any debts that we haven't asked about" question. The HwAFDEBT variable indicates whether the value is imputed and if so, how much information is available for imputation.

Beginning in Wave 16, HwADEBT sums the reported or imputed values of credit card (HwADEBTCC), medical (HwADEBTMD), educational (HwADEBTED), and any other debt (HwADEBTO). These variables, along with the associated imputation (HwAFDEBTCC, HwAFDEBTMD, HwAFDEBTED, HwAFDEBTO) and ownership (HwAODEBTCC, HwAODEBTMD, HwAODEBTED, HwAODEBTO) variables, are available in the RAND HRS Detailed Imputations File. HwAFDEBT is a flag that indicates whether any of these components are imputed, and if so, how much information is available for imputation.

In Waves 9-15, the "any debts that we haven't asked about" question is followed by questions about whether any of that debt includes credit card debt. For respondents who say "YES, ALL OF IT" to the question about whether "any of that debt include(s) credit card debt?", we examine the amounts/brackets they provide for any debt and credit card debt. If the information provided is inconsistent, we proceed with imputation as usual; if it is consistent, we use the additional information from the respective other category in imputations. We provide the reported or imputed value of credit card debt as HwADEBTCC, along with the associated imputation (HwAFDEBTCC) and ownership (HwAODEBTCC) variables, in the RAND HRS Detailed Imputations File. However, it is important to note that credit card debt is not a component of HwADEBT as it is in Wave 16 forward, because the "any debts that we haven't asked about" question text explicitly mentions "credit card balances."

Cross Wave Differences in Original HRS Data

In Waves 1-15, the question wording for the value of other debt is the same, but the unfolding bracket questions vary. Two questions reveal whether the Respondent has any other debt and if so, the value of it:

a) "And do you (or your (husband/wife/partner)) have any debts that we haven't asked about, such as credit card balances, medical debts, life insurance policy loans, loans from relatives, and so forth?"

b) "About how much would that amount to?"

From Wave 2 forward, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket ranges and entry points vary across waves. In Wave 1, no unfolding bracket questions are asked, though range cards could be used to obtain the value.

In Waves 9-15, the questions about other debt are followed by questions about whether any of that debt includes credit card debt:

a) "Does any of that debt include credit card debt?"

b) "Last month did you (and your [husband/wife/partner]) pay off all your credit card debt or was there an unpaid debt that you carried over to this month?"

c) "How much credit card debt did you (and your [husband/wife/partner]) carry over from last month to this one?"

Again, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket ranges and entry points are the same across waves.

Beginning in Wave 16, the questions about credit card debt are asked first, though the question "Does any of that debt include credit card debt?" is no longer asked. These are followed by specific questions about medical, educational, and any other debt, and the wording for the "any other debt" question has been adjusted to exclude "credit card balances" and "medical debts":

a) "Not counting what we have already talked about, do you [or your husband/wife/partner] owe any money for medical services to doctors, hospitals or other healthcare providers?"

b) "Altogether how much would that amount to?"

c) "Not counting what we have already talked about, do you [or your husband/wife/partner] owe any money or have any student loans for educational expenses?"

d) "Altogether how much would that amount to?"

e) "And do you [or your husband/wife/partner] have any other debts that we haven't asked about, such as life insurance policy loans, loans from relatives, and so forth?"

f) "Altogether, about how much would that amount to?"

If the Respondent refuses or does not know the value of a debt component, a series of unfolding bracket questions are asked.

HRS Variables Used

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HRS 1992:
    V15237          M20:OTHR_DBTS_Y/N_NE:IND
    V15238          M20A:OTHER_DEBTS_$_N:IND
    V5237           M20:OTHR_DBTS_Y/N_NE:IMP
    V5238           M20A:OTHER_DEBTS_$_N:IMP
AHEAD 1993:
    B1787           K23. DEBTS: ANY
    B1788           K24. DEBTS: TOTAL $
    B1788C          CATEG: K24. DEBTS: TOTAL $
HRS 1994:
    W15526          K19. Imputation Indicato
    W15527          K20. Imputation Indicato
    W5526           K19.OTHER DEBTS
    W5527           K20.AMOUNT OF OTHER DEBT
    W5528           K20a-K20c. Brackets
AHEAD 1995:
    D4725           J81.DEBTS
    D4726           J82.DEBTS $
    D4727B          J82.DEBTS $/Bkt
HRS 1996:
    E4726           J302.DEBTS
    E4727           J303.DEBTS $
    E4728B          J303.DEBTS $/Bkt
HRS 1998:
    F5486           J302.DEBTS
    F5487           J303.DEBTS $
    F5488B          J303.(J82)DEBTS $-Bkt
HRS 2000:
    G5846           J302.DEBTS
    G5847           J303.DEBTS $
    G5848           J303A. DK-500
    G5849           J303Y1A. DK-5000
    G5850           J303B. DK-50000
    G5851           J303Y1B. DK-5000
    G5852           J303D. DK-500
HRS 2002:
    TYPASST         TYPE OF ASSETS
HRS 2002:
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
HRS 2004:
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
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    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2022:
    SQ518           PD OFF CRED CARD LAST MO
    SQ519           CRED CARD DEBT CARRIED OVER
    SQ520           CRED CARD DEBTS AMOUNT - MIN
    SQ521           CRED CARD DEBTS AMOUNT - MAX
    SQ522           CRED CARD DEBTS AMOUNT - RESULT
    SQ539           AMY MORE MONEY FOR MEDICAL SERIVCES
    SQ540           HOW MUCH FOR MEDICAL SERVICES
    SQ541           VALUE ASSETS NOT PREV REPORTED - MIN
    SQ542           VALUE ASSETS NOT PREV REPORTED - MAX
    SQ543           VALUE ASSETS NOT PREV REPORTED - RESULT
    SQ544           MONEY FOR EDUCATIONAL EXPENSES
    SQ545           HOW MUCH FOR EDUCATIONAL SERVICES
    SQ546           VALUE ASSETS NOT PREV REPORTED - MIN
    SQ547           VALUE ASSETS NOT PREV REPORTED - MAX
    SQ548           VALUE ASSETS NOT PREV REPORTED - RESULT
    SQ549           OTHER DEBTS
    SQ550           HOW MUCH FOR OTHER DEBTS
    SQ551           VALUE ASSETS NOT PREV REPORTED - MIN
    SQ552           VALUE ASSETS NOT PREV REPORTED - MAX
    SQ553           VALUE ASSETS NOT PREV REPORTED - RESULT
HRS 2002-2020:
    xQ477           R OR SP ANY DEBTS NOT ASKED ABOUT BEFORE
    xQ478           R OR SP DEBTS AMOUNT
    xQ479           DEBTS AMOUNT - MIN
    xQ480           DEBTS AMOUNT - MAX
    xQ481           DEBTS AMOUNT - RESULT
HRS 2004-2020:
    xU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    xU002_1         ASSET RECONCILIATION WHICH WRONG  -1
HRS 2006-2020:
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xU003_1A	ASSET RECONCILIATION HOW MUCH -A-DEBTS
xU003_1B	ASSET RECONCILIATION HOW MUCH-B-DEBTS
xU004_1A	ASSET RECONCILIATION -MIN-A-DEBTS
xU004_1B	ASSET RECONCILIATION -MIN-B-DEBTS
xU005_1A	ASSET RECONCILIATION -MAX-A -DEBTS
xU005_1B	ASSET RECONCILIATION -MAX-B -DEBTS
xU006_1A	ASSET RECONCILIATION - RESULT-A-DEBTS
xU006_1B	ASSET RECONCILIATION - RESULT-B-DEBTS
xU022_1A	WHICH WAVE VALUE WAS WRONG-A-DEBTS
xU022_1B	WHICH WAVE VALUE WAS WRONG-B-DEBTS

Value of primary residence

Wave	Variable	Label	Type
1	H1AHOUS	H1AHOUS:W1 Assets:Primary Residence--Cross-wave	Cont
2	H2AHOUS	H2AHOUS:W2 Assets:Primary Residence--Cross-wave	Cont
3	H3AHOUS	H3AHOUS:W3 Assets:Primary Residence--Cross-wave	Cont
4	H4AHOUS	H4AHOUS:W4 Assets:Primary Residence--Cross-wave	Cont
5	H5AHOUS	H5AHOUS:W5 Assets:Primary Residence--Cross-wave	Cont
6	H6AHOUS	H6AHOUS:W6 Assets:Primary Residence--Cross-wave	Cont
7	H7AHOUS	H7AHOUS:W7 Assets:Primary Residence--Cross-wave	Cont
8	H8AHOUS	H8AHOUS:W8 Assets:Primary Residence--Cross-wave	Cont
9	H9AHOUS	H9AHOUS:W9 Assets:Primary Residence--Cross-wave	Cont
10	H10AHOUS	H10AHOUS:W10 Assets:Primary Residence--Cross-wave	Cont
11	H11AHOUS	H11AHOUS:W11 Assets:Primary Residence--Cross-wave	Cont
12	H12AHOUS	H12AHOUS:W12 Assets:Primary Residence--Cross-wave	Cont
13	H13AHOUS	H13AHOUS:W13 Assets:Primary Residence--Cross-wave	Cont
14	H14AHOUS	H14AHOUS:W14 Assets:Primary Residence--Cross-wave	Cont
15	H15AHOUS	H15AHOUS:W15 Assets:Primary Residence--Cross-wave	Cont
16	H16AHOUS	H16AHOUS:W16 Assets:Primary Residence--Cross-wave	Cont
1	H1AFHOUS	H1AFHOUS:W1 Assets Flag:Primary Residence--Cross-wave	Categ
2	H2AFHOUS	H2AFHOUS:W2 Assets Flag:Primary Residence--Cross-wave	Categ
3	H3AFHOUS	H3AFHOUS:W3 Assets Flag:Primary Residence--Cross-wave	Categ
4	H4AFHOUS	H4AFHOUS:W4 Assets Flag:Primary Residence--Cross-wave	Categ
5	H5AFHOUS	H5AFHOUS:W5 Assets Flag:Primary Residence--Cross-wave	Categ
6	H6AFHOUS	H6AFHOUS:W6 Assets Flag:Primary Residence--Cross-wave	Categ
7	H7AFHOUS	H7AFHOUS:W7 Assets Flag:Primary Residence--Cross-wave	Categ
8	H8AFHOUS	H8AFHOUS:W8 Assets Flag:Primary Residence--Cross-wave	Categ
9	H9AFHOUS	H9AFHOUS:W9 Assets Flag:Primary Residence--Cross-wave	Categ
10	H10AFHOUS	H10AFHOUS:W10 Assets Flag:Primary Residence--Cross-wave	Categ
11	H11AFHOUS	H11AFHOUS:W11 Assets Flag:Primary Residence--Cross-wave	Categ
12	H12AFHOUS	H12AFHOUS:W12 Assets Flag:Primary Residence--Cross-wave	Categ
13	H13AFHOUS	H13AFHOUS:W13 Assets Flag:Primary Residence--Cross-wave	Categ
14	H14AFHOUS	H14AFHOUS:W14 Assets Flag:Primary Residence--Cross-wave	Categ
15	H15AFHOUS	H15AFHOUS:W15 Assets Flag:Primary Residence--Cross-wave	Categ
16	H16AFHOUS	H16AFHOUS:W16 Assets Flag:Primary Residence--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AHOUS	12652	85463.29	97381.12	0.0	1400000.0
H2AHOUS	19642	83885.65	122297.12	0.0	5000000.0
H3AHOUS	17991	88289.17	112742.12	0.0	5000000.0
H4AHOUS	21384	100546.60	249446.60	0.0	20000000.0
H5AHOUS	19578	113040.06	247282.75	0.0	14000000.0
H6AHOUS	18165	129001.40	178434.48	0.0	10000000.0
H7AHOUS	20129	161188.16	341170.05	0.0	25000000.0
H8AHOUS	18469	194350.84	268505.20	0.0	6000000.0
H9AHOUS	17217	197732.51	444719.95	0.0	25000000.0
H10AHOUS	22034	162088.78	247577.51	0.0	10000000.0
H11AHOUS	20554	154588.34	230197.04	0.0	10000000.0
H12AHOUS	18747	163113.31	234425.32	0.0	5000000.0
H13AHOUS	20912	172037.56	263671.23	0.0	6000000.0
H14AHOUS	17146	200743.67	854365.19	0.0	100000000.0
H15AHOUS	15723	219027.44	331141.01	0.0	10000000.0
H16AHOUS	15787	267654.45	395510.45	0.0	10000001.0
H1AFHOUS	12652	2.16	2.11	1.0	9.0
H2AFHOUS	19642	2.28	2.14	1.0	9.0

H3AFHOUS	17991	2.22	2.09	1.0	9.0
H4AFHOUS	21384	2.23	2.10	1.0	9.0
H5AFHOUS	19578	2.21	2.09	1.0	9.0
H6AFHOUS	18165	2.23	2.08	1.0	9.0
H7AFHOUS	20129	2.24	2.08	1.0	9.0
H8AFHOUS	18469	2.23	2.08	1.0	9.0
H9AFHOUS	17217	2.26	2.09	1.0	9.0
H10AFHOUS	22034	2.55	2.30	1.0	9.0
H11AFHOUS	20554	2.54	2.26	1.0	9.0
H12AFHOUS	18747	2.57	2.29	1.0	9.0
H13AFHOUS	20912	2.76	2.39	1.0	9.0
H14AFHOUS	17146	2.77	2.42	1.0	9.0
H15AFHOUS	15723	2.77	2.44	1.0	9.0
H16AFHOUS	15787	2.83	2.45	1.0	9.0

Categorical Variable Codes

HwAFHOUS: Assets Flag:Primary Residence--Cross-wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	9635	13301	12409	14726	13661	12601	13764	12686	11596	13893
2.Complete bracket		1701	1495	1747	1408	1293	1623	1419	1478	1639
3.Incomplete bracket		88	51	88	130	104	114	115	155	171
4.Range card bracket	178									
5.No value/bracket	315	177	239	337	330	354	330	267	272	384
6.No asset	2419	4141	3671	4257	3860	3587	4161	3904	3595	5585
7.DK ownership	10	57	11	59	67	187	76	30	58	67
9.No Fin resp	95	177	115	170	122	39	61	48	63	295

Value	w11	w12	w13	w14	w15	w16
1.Continuous value	12928	11839	12590	10525	9611	9441
2.Complete bracket	1540	1183	1250	748	769	814
3.Incomplete bracket	171	170	160	136	153	137
4.Range card bracket						
5.No value/bracket	349	331	343	373	358	297
6.No asset	5365	5000	6199	5000	4407	4693
7.DK ownership	60	59	79	47	66	63
9.No Fin resp	141	165	291	317	359	342

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The reported or imputed value of the Respondent's primary residence is assigned to HwAHOUS. The HwAFHOUS variable indicates whether the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

HwAHOUS is assigned from either HwAMOBL if the primary residence is a mobile home, or HwAHOU1 if not. HwAMOBL and HwAHOU1 are imputed separately, and these variables, along with the associated imputation (HwAFHOU1, HwAFMOBL) and ownership (HwAOHOU1, HwAOMOBL) variables, are available in the RAND HRS Detailed Imputations File.

From Wave 3 forward, to determine ownership of a primary residence, we look at responses to questions about whether the person is in a nursing home and if so, whether they own a home outside of the nursing home. In some cases, there is a discrepancy between what is reported on these questions and what was listed on the Tracker file, that is, some individuals said they were in a nursing home (and did not own a home outside of the nursing home), but the Tracker file said they were not in a nursing home. We considered the information from Tracker to be the most accurate.

Users should note the following outlier:

HHIDPN: 33562010 reported having a primary home (QH020) worth $100,000,000 in Wave 14. The accuracy of this amount has been confirmed by HRS.

Cross Wave Differences in Original HRS Data

The value of the primary residence is asked in each wave. Questions reveal whether the Respondent owns their primary residence and if so, the value of it.

In all waves, there are several questions which ask the Respondent about ownership of the residence and its value, depending on the type of home, e.g., a farm or ranch, mobile home, condominium, etc.

In Wave 1 the questions are asked in several places, all slightly different:

a) "Do you (or your (husband/wife/partner)) own this (farm/ranch), do you own part of it, do you rent it, is it owned by a business, or what?"

b) "Could you tell me the present value of this house and the immediately surrounding land? I mean, about what would it bring if it were sold today?"

c) "Do you (or your (husband/wife/partner)) own both this mobile home and site or lot, do you own only the mobile home, do you own only the site, do you rent both the home and site, or what?"

d) "Could you tell me the present value of this mobile home (and site)? I mean, about what would it bring if it were sold today?"

e) "Do you (and your (husband/wife/partner)) own this (house and lot/apartment), do you rent, or what?"

f) "What is the present value of this (home and land/apartment/property)? I mean, about what would it bring if it were sold today?"

In Waves 2 and 3 the ownership questions are slightly different and all branch to one value question:

a) "Do you (and your (husband/wife/partner)) own your home, rent it, or what?"

b) "Do you (or your (husband/wife/partner)) own this (farm/ranch), do you own part of it, do you rent it, or what?"

c) "Do you (or your (husband/wife/partner)) own both the mobile home and site, do you own only the home, do you rent both the home and site, or what?"

d) "What is its present value? I mean, about what would it bring if it were sold today?"

Beginning in Wave 4, the question wordings are the same but the question on mobile home value is a separate one from the value of a house or farm, and the unfolding brackets differ for the two types of property.

From Wave 2 forward, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket entry points vary across waves. In Wave 1, no unfolding bracket questions are asked, though range cards could be used to obtain the value.

From Waves 6 forward, some mobile home owners who did not report values were directed to the house value and subsequent bracket questions (if needed), which are different from those for mobile homes. Here, we imputed missing values using whichever series of brackets they were given. There were also some cases where values were given for both the mobile home and house questions. This is often the result of corrections from Section U. We checked all such cases and determined the most reasonable way to interpret the data. See Appendix B: Mobile Home/House Inconsistencies in the RAND HRS Detailed Imputations File Codebook available on the HRS website for more information.

HRS Variables Used

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HRS 1992:
    V10605          D2A:VALUE_OF_PROPERT:IND
    V10612          D5:FRM_VAL:HOUSE LAN:IND
    V10616          D8:MBL_HM/SITE/BOTH :IND
    V10619          8B:MBL_HM_SITE:VALUE:IND
    V10632          D10:OWN_MBL_HM:VALUE:IND
    V10640          D15:OWN_HM SITE:VALU:IND
    V10701          D17:OWN/RENT:LOT/ETC:IND
    V10712          D20:VALUE_OF_PROPERT:IND
    V603            D2:OWN RANCH/FARM
    V605            D2A:VALUE OF PROPERT:IMP
    V612            D5:FRM:VALUE-HOUSE/L:IMP
    V616            D8:OWN MBL HM/SITE/B:IMP
    V619            D8B:MH SITE:$VAL OF :IMP
    V632            D10:OWN MBL HM: VALU:IMP
    V640            D15:OWN HM   SITE:$V:IMP
    V701            D17:LOT/APRTMNT:OWN/:IMP
    V712            D20:VALUE-R'S PROPER:IMP
AHEAD 1993:
    B1067           F10. MOBILE HOME & SITE: OWN/RENT
    B1087           F23. OWN OR RENT FARM/RANCH?
    B1088           F23a. OWN FARMHOUSE?
    B1091           F25. OWN OR RENT HOME/APT?
    B1099           F26. VALUE OF HOME AND LAND
    B1099C          CATEG: F26. VALUE OF HOME AND LAND
HRS 1994:
    W607            D3.OWN OR RENT CURRENT H
    W609            D4.OWN PART/ALL OR RENT
    W611            D4b.OWN HOUSE AND SURROU
    W613            D5.OWN/RENT MOBILE HOME/
    W614            D6.PRESENT VALUE OF MOBI
    W615            D6a-D6d. Brackets
AHEAD 1995:
    D2225           F2.TYPE HOME
    D2226           F3.OWN-RENT HOME
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    D2229           F4.OWN FARM
    D2246           F6.HOME VALUE $
    D2247B          F6.HOME VALUE $/Bkt
HRS 1996:
    E2225           F2.TYPE HOME
    E2226           F3.OWN-RENT HOME
    E2229           F4.OWN FARM
    E2246           F6.HOME VALUE $
    E2247B          F6.HOME VALUE $/Bkt
HRS 1998:
    F2742           F2.TYPE HOME
    F2743           F3.OWN-RENT HOME
    F2746           F4.OWN FARM
    F2751           F5.OWN MOBILE HOME AND SITE
    F2753           F5B.MOBILE HOME VALUE $
    F2754B          F5B.MOBILE HOME VALUE $-Bkt
    F2760           F6.HOME VALUE $
    F2761B          F6.HOME VALUE $-Bkt
HRS 2000:
    G3060           F2.TYPE HOME
    G3061           F3.OWN-RENT HOME
    G3064           F4.OWN FARM
    G3069           F5.OWN MOBILE HOME-SITE
    G3071           F5B.MOBILE HOME VALUE $
    G3072           F5C.F5 DK-1
    G3073           F5D.F5 DK-2
    G3074           F5E.F5 DK-3
    G3075           F5F.F5 DK-4
    G3078           F6.HOME VALUE $
    G3079           F6DX.F6 DK-4
    G3080           F6A.F6 DK-1
    G3081           F6B.F6 DK-2
    G3082           F6C.F6 DK-3
    G3083           F6AX.F6 DK-1
    G3084           F6D.F6 DK-4
HRS 2002:
    TYPASST         TYPE OF ASSETS
HRS 2002:
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
HRS 2004:
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
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    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2022:
    SHU001_1        ASSET RECONCILIATION - HOME
    SHU002_1        ASSET RECONCILIATION - WHICH WRONG-HOME
    SHU003_1A       ASSET RECONCILIATION - HOW MUCH -A-HOME
    SHU003_1B       ASSET RECONCILIATION - HOW MUCH-B-HOME
    SHU004_1A       ASSET RECONCILIATION - MIN-A-HOME
    SHU004_1B       ASSET RECONCILIATION - MIN-B-HOME
    SHU005_1A       ASSET RECONCILIATION - MAX-A -HOME
    SHU005_1B       ASSET RECONCILIATION - MAX-B -HOME
    SHU006_1A       ASSET RECONCILIATION - RESULT-A-HOME
    SHU006_1B       ASSET RECONCILIATION - RESULT-B-HOME
    SHU022_1A       WHICH WAVE WRONG-A-HOME
    SHU022_1B       WHICH WAVE WRONG-B-HOME
HRS 2002-2022:
    xA028           R IN NURSING HOME
    xA070           NH: STILL OWN/RENT HOME
    xH002           TYPE HOME
    xH004           OWN-RENT HOME
    xH008           OWN PART OR ALL/RENT FARM
    xH014           OWN MOBILE HOME/SITE
    xH016           MOBILE HOME PRESENT VALUE
    xH017           MOBILE HOME PRESENT VALUE- MIN
    xH018           MOBILE HOME PRESENT VALUE- MAX
    xH019           MOBILE HOME PRESENT VALUE- RESULT
    xH020           HOME PRESENT VALUE
    xH021           HOME PRESENT VALUE- MIN
    xH022           HOME PRESENT VALUE- MAX
    xH023           HOME PRESENT VALUE- RESULT
HRS 2006-2020:
    xU001_12        ASSET RECONCILIATION-HOME
    xU001_16        ASSET RECONCILIATION-MOBILE HOME
    xU002_12        ASSET RECON WHICH WRONG-HOME
    xU002_16        ASSET RECON WHICH WRONG-MOBILE HOME
    xU003_12A       ASSET RECON HOW MUCH -A-HOME
    xU003_12B       ASSET RECON HOW MUCH-B-HOME
    xU003_16A       ASSET RECON HOW MUCH -A-MOBILE HOME
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    xU003_16B       ASSET RECON HOW MUCH-B-MOBILE HOME
    xU004_12A       ASSET RECON -MIN-A-HOME
    xU004_12B       ASSET RECON-MIN-B-HOME
    xU004_16A       ASSET RECON -MIN-A-MOBILE HOME
    xU004_16B       ASSET RECON -MIN-B-MOBILE HOME
    xU005_12A       ASSET RECON -MAX-A -HOME
    xU005_12B       ASSET RECON-MAX-B -HOME
    xU005_16A       ASSET RECON -MAX-A -MOBILE HOME
    xU005_16B       ASSET RECON -MAX-B -MOBILE HOME
    xU006_12A       ASSET RECON - RESULT-A-HOME
    xU006_12B       ASSET RECON- RESULT-B-HOME
    xU006_16A       ASSET RECON - RESULT-A-MOBILE HOME
    xU006_16B       ASSET RECON - RESULT-B-MOBILE HOME
    xU022_12A       WHICH WAVE WRONG-A-HOME
    xU022_12B       WHICH WAVE WRONG-B-HOME
    xU022_16A       WHICH WAVE WRONG-A-MOBILE HOME
    xU022_16B       WHICH WAVE WRONG-B-MOBILE HOME
Tracker:
    xNURSHM             2000-2022 NURSING HOME STATUS
```

Value of all mortgages/land contracts (primary residence)

Wave	Variable	Label	Type
1	H1AMORT	H1AMORT:W1 Assets:Total Mortgage--Cross-wave	Cont
2	H2AMORT	H2AMORT:W2 Assets:Total Mortgage--Cross-wave	Cont
3	H3AMORT	H3AMORT:W3 Assets:Total Mortgage--Cross-wave	Cont
4	H4AMORT	H4AMORT:W4 Assets:Total Mortgage--Cross-wave	Cont
5	H5AMORT	H5AMORT:W5 Assets:Total Mortgage--Cross-wave	Cont
6	H6AMORT	H6AMORT:W6 Assets:Total Mortgage--Cross-wave	Cont
7	H7AMORT	H7AMORT:W7 Assets:Total Mortgage--Cross-wave	Cont
8	H8AMORT	H8AMORT:W8 Assets:Total Mortgage--Cross-wave	Cont
9	H9AMORT	H9AMORT:W9 Assets:Total Mortgage--Cross-wave	Cont
10	H10AMORT	H10AMORT:W10 Assets:Total Mortgage--Cross-wave	Cont
11	H11AMORT	H11AMORT:W11 Assets:Total Mortgage--Cross-wave	Cont
12	H12AMORT	H12AMORT:W12 Assets:Total Mortgage--Cross-wave	Cont
13	H13AMORT	H13AMORT:W13 Assets:Total Mortgage--Cross-wave	Cont
14	H14AMORT	H14AMORT:W14 Assets:Total Mortgage--Cross-wave	Cont
15	H15AMORT	H15AMORT:W15 Assets:Total Mortgage--Cross-wave	Cont
16	H16AMORT	H16AMORT:W16 Assets:Total Mortgage--Cross-wave	Cont
1	H1AFMORT	H1AFMORT:W1 Asst Flag: Total Mortgage--Cross-wave	Categ
2	H2AFMORT	H2AFMORT:W2 Asst Flag: Total Mortgage--Cross-wave	Categ
3	H3AFMORT	H3AFMORT:W3 Asst Flag: Total Mortgage--Cross-wave	Categ
4	H4AFMORT	H4AFMORT:W4 Asst Flag: Total Mortgage--Cross-wave	Categ
5	H5AFMORT	H5AFMORT:W5 Asst Flag: Total Mortgage--Cross-wave	Categ
6	H6AFMORT	H6AFMORT:W6 Asst Flag: Total Mortgage--Cross-wave	Categ
7	H7AFMORT	H7AFMORT:W7 Asst Flag: Total Mortgage--Cross-wave	Categ
8	H8AFMORT	H8AFMORT:W8 Asst Flag: Total Mortgage--Cross-wave	Categ
9	H9AFMORT	H9AFMORT:W9 Asst Flag: Total Mortgage--Cross-wave	Categ
10	H10AFMORT	H10AFMORT:W10 Asst Flag: Total Mortgage--Cross-wave	Categ
11	H11AFMORT	H11AFMORT:W11 Asst Flag: Total Mortgage--Cross-wave	Categ
12	H12AFMORT	H12AFMORT:W12 Asst Flag: Total Mortgage--Cross-wave	Categ
13	H13AFMORT	H13AFMORT:W13 Asst Flag: Total Mortgage--Cross-wave	Categ
14	H14AFMORT	H14AFMORT:W14 Asst Flag: Total Mortgage--Cross-wave	Categ
15	H15AFMORT	H15AFMORT:W15 Asst Flag: Total Mortgage--Cross-wave	Categ
16	H16AFMORT	H16AFMORT:W16 Asst Flag: Total Mortgage--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AMORT	12652	20562.46	42424.76	0.0	1070000.0
H2AMORT	19642	14428.53	71281.34	0.0	6000000.0
H3AMORT	17991	14073.17	37458.43	0.0	1000000.0
H4AMORT	21384	17655.68	43474.77	0.0	1000000.0
H5AMORT	19578	19304.54	47713.19	0.0	1200000.0
H6AMORT	18165	20861.78	52768.74	0.0	930000.0
H7AMORT	20129	29656.16	66983.07	0.0	1300000.0
H8AMORT	18469	33363.49	80041.25	0.0	1250000.0
H9AMORT	17217	34861.07	87738.42	0.0	3000000.0
H10AMORT	22034	40260.97	96697.32	0.0	3250000.0
H11AMORT	20554	37517.24	86031.50	0.0	1100000.0
H12AMORT	18747	35612.42	90150.17	0.0	5060000.0
H13AMORT	20912	39346.71	90663.15	0.0	1500000.0
H14AMORT	17146	39977.34	91791.09	0.0	1500000.0
H15AMORT	15723	41390.13	100104.61	0.0	2970000.0
H16AMORT	15787	45053.30	103142.89	0.0	2000000.0
H1AFMORT	12652	0.57	0.93	0.0	9.0
H2AFMORT	19642	0.41	0.98	0.0	9.0

H3AFMORT	17991	0.38	0.88	0.0	9.0
H4AFMORT	21384	0.41	0.95	0.0	9.0
H5AFMORT	19578	0.40	0.88	0.0	9.0
H6AFMORT	18165	0.36	0.71	0.0	9.0
H7AFMORT	20129	0.41	0.75	0.0	9.0
H8AFMORT	18469	0.39	0.72	0.0	9.0
H9AFMORT	17217	0.39	0.77	0.0	9.0
H10AFMORT	22034	0.48	1.14	0.0	9.0
H11AFMORT	20554	0.40	0.90	0.0	9.0
H12AFMORT	18747	0.40	0.97	0.0	9.0
H13AFMORT	20912	0.46	1.15	0.0	9.0
H14AFMORT	17146	0.48	1.29	0.0	9.0
H15AFMORT	15723	0.53	1.41	0.0	9.0
H16AFMORT	15787	0.51	1.37	0.0	9.0

Categorical Variable Codes

HwAFMORT: Asst Flag: Total Mortgage--Cross-wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No asset	6725	13662	12893	14903	13549	12842	13499	12619	11895	14700
1.No imputations	5340	5057	4239	5410	4996	4304	5502	4923	4438	6050
2.Some imputation	492	746	744	901	911	979	1067	879	821	989
9.No Fin resp	95	177	115	170	122	40	61	48	63	295

Value	w11	w12	w13	w14	w15	w16
0.No asset	14199	13234	14426	11991	10860	10997
1.No imputations	5414	4658	5347	4229	3836	3849
2.Some imputation	800	690	848	609	668	599
9.No Fin resp	141	165	291	317	359	342

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The reported or imputed value of all mortgages is assigned to HwAMORT. HwAFMORT is a flag that indicates whether any components are imputed, and if so, how much information is available for imputation.

HwAMORT is the sum of the first and second mortgages (HwAMRT1, HwAMRT2), which are each imputed separately. These variables, along with the associated imputation (HwAFMRT1, HwAFMRT2) and ownership (HwAOMRT1, HwAOMRT2) variables, are available in the RAND HRS Detailed Imputations File.

Both a first and second mortgage can be reported in the data, though respondents may report having a second mortgage and not

a first (i.e., one does not imply the other). The only exceptions are Waves 1 and 2A. In Wave 1, the survey questions only allow Respondents to report having a second mortgage if they have a first. In Wave 2A, Respondents who say "Someone else pays/DK/RF" to the question about the first mortgage (Are you paying anything on a mortgage or other loan on [this property]) can report having a second mortgage (though this does not occur). HwAMORT sums the first and second mortgages.

Cross Wave Differences in Original HRS Data

The values of first and second mortgages are asked in each wave. Questions reveal whether the Respondent has a first and second mortgage and if so, the value of them.

In Wave 1, the questions ask:

a) "Is there a mortgage or land contract on this (home and land/apartment/property)? (IF R ASKS, DO NOT INCLUDE HOME EQUITY LOANS OR LINES OF CREDIT)"

b) "How much is still owed on this loan?"

c) "In addition to your (mortgage/land contract) do you have a second mortgage or a land contract on this property? (Please do not include any home equity lines of credit.)"

d) "How much is still owed on this loan?"

In Wave 2A, the questions ask:

a) "Are you paying anything on a mortgage or other loan on [this property]?"

b) "About how much do you still owe on this mortgage or loan?"

c) "In addition to your mortgage or loan do you have a second mortgage or a land contract on this property?"

d) "About how much do you still owe on that loan?"

Beginning in Wave 2H, the ownership questions cover first mortgage, second mortgage and other loans. Up to 3 loans may be specified:

a) "Do you have a mortgage, land contract, second mortgage or any other loan that uses the property as collateral? Please do not include any home equity lines of credit."

Beginning in Wave 9, a qualifying statement was added to this question, which says "Do not include reverse mortgages."

b) [If 1st mortgage] "About how much do you still owe on that mortgage or land contract?"

c) [If 2nd mortgage] "About how much do you still owe on that second mortgage?"

From Wave 2H forward, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket entry points vary across waves. In Wave 1, no unfolding bracket questions are asked, though range cards could be used to obtain the value.

HRS Variables Used

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HRS 1992:
    V10722          D25:MORTGAG/LNLCNTRC:IND
    V10723          D26:1ST_MORT:$STILOW:IND
    V10729          D30:2ND_MORT/LNDCNTC:IND
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    V10730          D26:2ND_LOAN:$_OWED :IND
    V722            D25:MORTGAGE/LND CON:IMP
    V723            D26:1ST MORT:$STILL :IMP
    V729            D30:2ND MORT/LND CON:IMP
    V730            D26:2ND LOAN:$STILL :IMP
AHEAD 1993:
    B1067           F10. MOBILE HOME & SITE: OWN/RENT
    B1087           F23. OWN OR RENT FARM/RANCH?
    B1088           F23a. OWN FARMHOUSE?
    B1091           F25. OWN OR RENT HOME/APT?
    B1121           F30. MORTGAGE ON HOME
    B1126           F34. AMOUNT STILL OWE ON MORTGAGE
    B1127           F35. SECOND MORTGAGE?
    B1131           F36. AMOUNT STILL OWE ON SECOND MORTGAGE
HRS 1994:
    W10616          D7/1. Imputation indicat
    W10617          D7/2.. Imputation indica
    W10622          D7d. Imputation indicato
    W10626          D9c. Imputation indicato
    W616            D7.MORTGAGE OR LAND CONT
    W617            D7.MORTGAGE OR LAND CONT
    W622            D7d.STILL OWE ON MORTGAG
    W623            D7d1-D7d3. Brackets
    W626            D9c.STILL OWE ON SECOND
    W627            D9c1-D9c3. Brackets
AHEAD 1995:
    D2251M1         F7.HOME MORTGAGE
    D2251M2         F7.HOME MORTGAGE
    D2256           F7D.$ OWN ON MORTGAGE
    D2257B          F7D.$ OWN ON MORTGAGE/Bkt
    D2263           F9C.$ OWN ON 2ND MORTGAGE
    D2264B          F9C.$ OWN ON 2ND MORTGAGE/Bkt
HRS 1996:
    E2251M1         F7.HOME MORTGAGE
    E2251M2         F7.HOME MORTGAGE
    E2251M3         F7.HOME MORTGAGE
    E2256           F7D.$ OWE ON MORTGAGE
    E2257B          F7D.$ OWE ON MORTGAGE/Bkt
    E2263           F9C.$ OWE ON 2ND MORTGAGE
    E2264B          F9C.$ OWE ON 2ND MORTGAGE/Bkt
HRS 1998:
    F2768M1         F7.HOME MORTGAGE
    F2768M2         F7.HOME MORTGAGE
    F2773           F7D.$ OWE ON MORTGAGE
    F2774B          F7D.$ OWE ON MORTGAGE-Bkt
    F2780           F9C.$ OWN ON 2ND MORTGAGE
    F2781B          F9C.$ OWN ON 2ND MORTGAGE-Bkt
HRS 2000:
    G3086M1         F7.HOME MORTGAGE
    G3086M2         F7.HOME MORTGAGE
    G3091           F7D.$ OWE ON MORTGAGE
    G3092           F7E.  F7E DK-1
    G3093           F7F.  F7E DK-2
    G3094           F7Y1F.  F7E DK-3
    G3098           F9C.$ OWE ON 2ND MORTGAGE
    G3099           F9D.  F9C DK-1
    G3100           F9E.  F9C DK-2
    G3101           F9F.  F9C DK-3
HRS 2002:
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```
    TYPASST         TYPE OF ASSETS
HRS 2002:
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
HRS 2004:
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2022:
    SHU001_2        ASSET RECONCILIATION - MORTGAGE1
    SHU002_2        ASSET RECONCILIATION - WHICH WRONG-MORTGAGE1
    SHU003_2A       ASSET RECONCILIATION - HOW MUCH -A-MORTGAGE1
    SHU003_2B       ASSET RECONCILIATION - HOW MUCH-B-MORTGAGE1
    SHU004_2A       ASSET RECONCILIATION - MIN-A-MORTGAGE1
    SHU004_2B       ASSET RECONCILIATION - MIN-B-MORTGAGE1
    SHU005_2A       ASSET RECONCILIATION - MAX-A -MORTGAGE1
    SHU005_2B       ASSET RECONCILIATION - MAX-B -MORTGAGE1
    SHU006_2A       ASSET RECONCILIATION - RESULT-A-MORTGAGE1
    SHU006_2B       ASSET RECONCILIATION - RESULT-B-MORTGAGE1
    SHU022_2A       WHICH WAVE WRONG-A-MORTGAGE1
    SHU022_2B       WHICH WAVE WRONG-B-MORTGAGE1
```

HRS 2002-2022:

xH024M1	LOAN-WITH PROPERTY AS COLLATERAL
xH024M2	LOAN-WITH PROPERTY AS COLLATERAL
xH024M3	LOAN-WITH PROPERTY AS COLLATERAL
xH032	HOW MUCH IS STILL OWED ON MORTGAGE
xH033	HOW MUCH IS STILL OWED ON MORTGAGE- MIN
xH034	HOW MUCH IS STILL OWED ON MORTGAGE- MAX
xH035	HOW MUCH STILL OWED ON MORTGAGE- RESULT
xH042	MONEY OWED ON 2ND PROPERTY LOAN
xH043	MONEY OWED ON 2ND PROPERTY LOAN- MIN
xH044	MONEY OWED ON 2ND PROPERTY LOAN- MAX
xH045	MONEY OWED ON 2ND PROPERTY LOAN- RESULT

HRS 2006-2020:

xU001_13	ASSET RECONCILIATION-MORTGAGE1
xU001_14	ASSET RECONCILIATION-MORTGAGE2
xU002_13	ASSET RECON WHICH WRONG-MORTGAGE1
xU002_14	ASSET RECON WHICH WRONG-MORTGAGE2
xU003_13A	ASSET RECON HOW MUCH -A-MORTGAGE1
xU003_13B	ASSET RECON HOW MUCH-B-MORTGAGE1
xU003_14A	ASSET RECON HOW MUCH -A-MORTGAGE2
xU003_14B	ASSET RECON HOW MUCH-B-MORTGAGE2
xU004_13A	ASSET RECON -MIN-A-MORTGAGE1
xU004_13B	ASSET RECON-MIN-B-MORTGAGE1
xU004_14A	ASSET RECON -MIN-A-MORTGAGE2
xU004_14B	ASSET RECON -MIN-B-MORTGAGE2
xU005_13A	ASSET RECON -MAX-A -MORTGAGE1
xU005_13B	ASSET RECON-MAX-B -MORTGAGE1
xU005_14A	ASSET RECON -MAX-A -MORTGAGE2
xU005_14B	ASSET RECON -MAX-B -MORTGAGE2
xU006_13A	ASSET RECON - RESULT-A-MORTGAGE1
xU006_13B	ASSET RECON- RESULT-B-MORTGAGE1
xU006_14A	ASSET RECON - RESULT-A-MORTGAGE2
xU006_14B	ASSET RECON - RESULT-B-MORTGAGE2
xU022_13A	WHICH WAVE WRONG-A-MORTGAGE1
xU022_13B	WHICH WAVE WRONG-B-MORTGAGE1
xU022_14A	WHICH WAVE WRONG-A-MORTGAGE2
xU022_14B	WHICH WAVE WRONG-B-MORTGAGE2

Value of other home loans (primary residence)

Wave	Variable	Label	Type
1	H1AHMLN	H1AHMLN:W1 Assets:Total Othr Home Loans--Cross-wave	Cont
2	H2AHMLN	H2AHMLN:W2 Assets:Total Othr Home Loans--Cross-wave	Cont
3	H3AHMLN	H3AHMLN:W3 Assets:Total Othr Home Loans--Cross-wave	Cont
4	H4AHMLN	H4AHMLN:W4 Assets:Total Othr Home Loans--Cross-wave	Cont
5	H5AHMLN	H5AHMLN:W5 Assets:Total Othr Home Loans--Cross-wave	Cont
6	H6AHMLN	H6AHMLN:W6 Assets:Total Othr Home Loans--Cross-wave	Cont
7	H7AHMLN	H7AHMLN:W7 Assets:Total Othr Home Loans--Cross-wave	Cont
8	H8AHMLN	H8AHMLN:W8 Assets:Total Othr Home Loans--Cross-wave	Cont
9	H9AHMLN	H9AHMLN:W9 Assets:Total Othr Home Loans--Cross-wave	Cont
10	H10AHMLN	H10AHMLN:W10 Assets:Total Othr Home Loans--Cross-wave	Cont
11	H11AHMLN	H11AHMLN:W11 Assets:Total Othr Home Loans--Cross-wave	Cont
12	H12AHMLN	H12AHMLN:W12 Assets:Total Othr Home Loans--Cross-wave	Cont
13	H13AHMLN	H13AHMLN:W13 Assets:Total Othr Home Loans--Cross-wave	Cont
14	H14AHMLN	H14AHMLN:W14 Assets:Total Othr Home Loans--Cross-wave	Cont
15	H15AHMLN	H15AHMLN:W15 Assets:Total Othr Home Loans--Cross-wave	Cont
16	H16AHMLN	H16AHMLN:W16 Assets:Total Othr Home Loans--Cross-wave	Cont
1	H1AFHMLN	H1AFHMLN:W1 Asst Flag: Total Oth Hm Loans--Cross-wave	Categ
2	H2AFHMLN	H2AFHMLN:W2 Asst Flag: Total Oth Hm Loans--Cross-wave	Categ
3	H3AFHMLN	H3AFHMLN:W3 Asst Flag: Total Oth Hm Loans--Cross-wave	Categ
4	H4AFHMLN	H4AFHMLN:W4 Asst Flag: Total Oth Hm Loans--Cross-wave	Categ
5	H5AFHMLN	H5AFHMLN:W5 Asst Flag: Total Oth Hm Loans--Cross-wave	Categ
6	H6AFHMLN	H6AFHMLN:W6 Asst Flag: Total Oth Hm Loans--Cross-wave	Categ
7	H7AFHMLN	H7AFHMLN:W7 Asst Flag: Total Oth Hm Loans--Cross-wave	Categ
8	H8AFHMLN	H8AFHMLN:W8 Asst Flag: Total Oth Hm Loans--Cross-wave	Categ
9	H9AFHMLN	H9AFHMLN:W9 Asst Flag: Total Oth Hm Loans--Cross-wave	Categ
10	H10AFHMLN	H10AFHMLN:W10 Asst Flag: Total Oth Hm Loans--Cross-wave	Categ
11	H11AFHMLN	H11AFHMLN:W11 Asst Flag: Total Oth Hm Loans--Cross-wave	Categ
12	H12AFHMLN	H12AFHMLN:W12 Asst Flag: Total Oth Hm Loans--Cross-wave	Categ
13	H13AFHMLN	H13AFHMLN:W13 Asst Flag: Total Oth Hm Loans--Cross-wave	Categ
14	H14AFHMLN	H14AFHMLN:W14 Asst Flag: Total Oth Hm Loans--Cross-wave	Categ
15	H15AFHMLN	H15AFHMLN:W15 Asst Flag: Total Oth Hm Loans--Cross-wave	Categ
16	H16AFHMLN	H16AFHMLN:W16 Asst Flag: Total Oth Hm Loans--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AHMLN	12652	3322.24	47833.85	0.0	3500000.0
H2AHMLN	19642	1313.12	8572.97	0.0	300000.0
H3AHMLN	17991	1530.94	8816.51	0.0	250000.0
H4AHMLN	21384	1731.82	10663.43	0.0	500000.0
H5AHMLN	19578	1756.46	10417.73	0.0	385000.0
H6AHMLN	18165	2104.87	11898.07	0.0	500000.0
H7AHMLN	20129	3462.84	18683.94	0.0	700000.0
H8AHMLN	18469	4168.74	34214.37	0.0	2500000.0
H9AHMLN	17217	3778.86	21463.73	0.0	1000000.0
H10AHMLN	22034	4262.45	29368.67	0.0	2000000.0
H11AHMLN	20554	3880.08	22248.91	0.0	750000.0
H12AHMLN	18747	3413.04	18517.55	0.0	400000.0
H13AHMLN	20912	2852.70	17440.56	0.0	430000.0
H14AHMLN	17146	2774.90	17850.70	0.0	489000.0
H15AHMLN	15723	2631.28	22617.04	0.0	1000004.0
H16AHMLN	15787	2167.01	15935.93	0.0	492000.0
H1AFHMLN	12652	0.23	0.89	0.0	9.0
H2AFHMLN	11634	0.25	1.01	0.0	9.0

H3AFHMLN	17991	0.16	0.79	0.0	9.0
H4AFHMLN	21384	0.18	0.87	0.0	9.0
H5AFHMLN	19578	0.16	0.79	0.0	9.0
H6AFHMLN	18165	0.15	0.60	0.0	9.0
H7AFHMLN	20129	0.17	0.65	0.0	9.0
H8AFHMLN	18469	0.16	0.61	0.0	9.0
H9AFHMLN	17217	0.17	0.68	0.0	9.0
H10AFHMLN	22034	0.26	1.10	0.0	9.0
H11AFHMLN	20554	0.20	0.84	0.0	9.0
H12AFHMLN	18747	0.20	0.92	0.0	9.0
H13AFHMLN	20912	0.23	1.11	0.0	9.0
H14AFHMLN	17146	0.27	1.25	0.0	9.0
H15AFHMLN	15723	0.32	1.39	0.0	9.0
H16AFHMLN	15787	0.29	1.35	0.0	9.0

Categorical Variable Codes

HwAFHMLN: Asst Flag: Total Oth Hm Loans--Cross-wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		8008								
0.No asset	10942	10088	16401	19375	17768	16285	17716	16278	15170	19204
1.No imputations	1187	1037	1186	1460	1251	1240	1779	1678	1530	1888
2.Some imputation	428	385	289	379	437	600	573	465	454	647
9.No Fin resp	95	124	115	170	122	40	61	48	63	295

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
0.No asset	18226	16751	18856	15518	14058	14353
1.No imputations	1614	1322	1238	907	804	680
2.Some imputation	573	509	527	404	502	412
9.No Fin resp	141	165	291	317	359	342

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The reported or imputed value of other home loans is assigned to HwAHMLN. HwAFHMLN is a flag that indicates whether any components are imputed, and if so, how much information is available for imputation.

HwAHMLN is the sum of home equity line of credit balances and home equity loans (HwAEQCD, HwAEQLN), which are each imptued separately. These variables, along with the associated imputation (HwAFEQCD, HwAFEQLN) and ownership (HwAOEQCD, HwAOEQLN) variables, are available in the RAND HRS Detailed Imputations File.

Cross Wave Differences in Original HRS Data

The values of home loans other than first and second mortgages are asked in each wave. Questions reveal whether the Respondent has any other home loans and if so, the value of them.

In Wave 1, questions ask about home equity loans and lines of credit, separately:

a) "Do you have any (other) loans that use this property as collateral? (Please do not include any home equity lines of credit.)"

b) "How much is still owed on this loan?"

c) "Do you currently have a loan against this line of credit?"

d) "How much is currently owed?"

In Wave 2A, one question is asked about other loans:

a) "Do you have any (other) loans that use this property as collateral?"

b) "About how much is still owed on this loan?"

Beginning in Wave 2H, the ownership questions cover first mortgage, second mortgage and other loans. Up to 3 loans may be specified:

a) "Do you have a mortgage, land contract, second mortgage or any other loan that uses the property as collateral? Please do not include any home equity lines of credit."

b) "About how much do you still owe on that loan?"

As in Wave 1, the Respondent is asked about a home equity line of credit separately:

c) "Do you currently have a loan against this line of credit?"

d) "About how much is currently owed?"

From Wave 3 forward, if the Respondent refuses or does not know the value of the home equity loans, a series of unfolding bracket questions are asked. The bracket ranges and entry points are the same across waves. From Wave 6 forward, unfolding bracket questions are asked for the value of a home equity line of credit. In Wave 1, no unfolding bracket questions are asked, though range cards could be used to obtain the value.

HRS Variables Used

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HRS 1992:
    V10735          D31:ANY_OTHER_LOANS :IND
    V10736          D26:HM_EQTY_LOAN_$OW:IND
    V10743          D32B:LOAN_AGNST_CRDI:IND
    V10744          D32C:$_CURRENTLY_OWE:IND
    V735            D31:ANY OTHER LOANS :IMP
    V736            D26:HM EQ LN-$ STILL:IMP
    V743            D32B:LOAN AGNST CRDI:IMP
    V744            D32C:$ CURRENTLY OWE:IMP
AHEAD 1993:
    B1067           F10. MOBILE HOME & SITE: OWN/RENT
    B1087           F23. OWN OR RENT FARM/RANCH?
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    B1088           F23a. OWN FARMHOUSE?
    B1091           F25. OWN OR RENT HOME/APT?
    B1132           F37. OTH LOANS W/ PROPERTY AS COLLATERAL
    B1135           F37c. AMOUNT STILL OWE OTHER LOAN
HRS 1994:
    W10631          D10c. Imputation indicat
    W10634          D11b. Imputation indicat
    W10635          D11c. Imputation indicat
    W616            D7.MORTGAGE OR LAND CONT
    W617            D7.MORTGAGE OR LAND CONT
    W618            D7.MORTGAGE OR LAND CONT
    W631            D10c.STILL OWE ON LOAN
    W634            D11b.LOAN AGAINST LINE O
    W635            D11c.AMOUNT CURRENTLY OW
AHEAD 1995:
    D2251M1         F7.HOME MORTGAGE
    D2251M2         F7.HOME MORTGAGE
    D2270           F10E.$ OWN ON LOAN
    D2271B          F10E.$ OWN ON LOAN/Bkt
    D2276           F11B.EQUITY LOAN NOW
    D2277           F11C.$ OWED EQUITY LOAD
HRS 1996:
    E2251M1         F7.HOME MORTGAGE
    E2251M2         F7.HOME MORTGAGE
    E2251M3         F7.HOME MORTGAGE
    E2270           F10E.$ OWE ON LOAN
    E2271B          F10E.$ OWE ON LOAN/Bkt
    E2276           F11B.EQUITY LOAN NOW
    E2277           F11C.$ OWED EQUITY LOAD
HRS 1998:
    F2768M1         F7.HOME MORTGAGE
    F2768M2         F7.HOME MORTGAGE
    F2787           F10E.$ OWN ON LOAN
    F2788B          F10E.$ OWN ON LOAN-Bkt
    F2793           F11B.EQUITY LOAN NOW
    F2794           F11C.$ OWED EQUITY LOAD
HRS 2000:
    G3086M1         F7.HOME MORTGAGE
    G3086M2         F7.HOME MORTGAGE
    G3105           F10E.$ OWE ON LOAN
    G3106           F10B.F10A DK-1
    G3107           F10C.  F10A DK-2
    G3108           F10D.  F10A DK-3
    G3111           F11B.EQUITY LOAN NOW
    G3112           F11C.$ OWED EQUITY LOAD
HRS 2002:
    TYPASST         TYPE OF ASSETS
HRS 2002:
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
HRS 2004:
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
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    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2002-2022:
    xH024M1         LOAN-WITH PROPERTY AS COLLATERAL
    xH024M2         LOAN-WITH PROPERTY AS COLLATERAL
    xH024M3         LOAN-WITH PROPERTY AS COLLATERAL
    xH052           MONEY OWE ON OTHER LOAN
    xH053           MONEY OWE ON OTHER LOAN- MIN
    xH054           MONEY OWE ON OTHER LOAN- MAX
    xH055           MONEY OWE ON OTHER LOAN- RESULT
    xH061           EQUITY LOAN NOW
    xH062           MONEY OWED EQUITY LOAN
    xH063           MONEY OWED EQUITY LOAN- MIN
    xH064           MONEY OWED EQUITY LOAN- MAX
    xH065           MONEY OWED EQUITY LOAN- RESULT
HRS 2006-2020:
    xU001_15        ASSET RECONCILIATION-EQUITY LOAN
    xU002_15        ASSET RECON WHICH WRONG-EQUITY LOAN
    xU003_15A       ASSET RECON HOW MUCH -A-EQUITY LOAN
    xU003_15B       ASSET RECON HOW MUCH-B-EQUITY LOAN
    xU004_15A       ASSET RECON -MIN-A-EQUITY LOAN
    xU004_15B       ASSET RECON -MIN-B-EQUITY LOAN
    xU005_15A       ASSET RECON -MAX-A -EQUITY LOAN
    xU005_15B       ASSET RECON -MAX-B -EQUITY LOAN
    xU006_15A       ASSET RECON - RESULT-A-EQUITY LOAN
    xU006_15B       ASSET RECON - RESULT-B-EQUITY LOAN
    xU022_15A       WHICH WAVE WRONG-A-EQUITY LOAN
    xU022_15B       WHICH WAVE WRONG-B-EQUITY LOAN
```

Net value of primary residence

Wave	Variable	Label	Type
1	H1ATOTH	H1ATOTH:W1 Net Value of House /prim res--Cross-wave	Cont
2	H2ATOTH	H2ATOTH:W2 Net Value of House /prim res--Cross-wave	Cont
3	H3ATOTH	H3ATOTH:W3 Net Value of House /prim res--Cross-wave	Cont
4	H4ATOTH	H4ATOTH:W4 Net Value of House /prim res--Cross-wave	Cont
5	H5ATOTH	H5ATOTH:W5 Net Value of House /prim res--Cross-wave	Cont
6	H6ATOTH	H6ATOTH:W6 Net Value of House /prim res--Cross-wave	Cont
7	H7ATOTH	H7ATOTH:W7 Net Value of House /prim res--Cross-wave	Cont
8	H8ATOTH	H8ATOTH:W8 Net Value of House /prim res--Cross-wave	Cont
9	H9ATOTH	H9ATOTH:W9 Net Value of House /prim res--Cross-wave	Cont
10	H10ATOTH	H10ATOTH:W10 Net Value of House /prim res--Cross-wave	Cont
11	H11ATOTH	H11ATOTH:W11 Net Value of House /prim res--Cross-wave	Cont
12	H12ATOTH	H12ATOTH:W12 Net Value of House /prim res--Cross-wave	Cont
13	H13ATOTH	H13ATOTH:W13 Net Value of House /prim res--Cross-wave	Cont
14	H14ATOTH	H14ATOTH:W14 Net Value of House /prim res--Cross-wave	Cont
15	H15ATOTH	H15ATOTH:W15 Net Value of House /prim res--Cross-wave	Cont
16	H16ATOTH	H16ATOTH:W16 Net Value of House /prim res--Cross-wave	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTH	12652	61578.60	91093.10	-3350000.0	1000000.0
H2ATOTH	19642	68144.01	123796.56	-5040000.0	5000000.0
H3ATOTH	17991	72685.07	102853.25	-550000.0	5000000.0
H4ATOTH	21384	81159.11	242609.99	-740000.0	19900000.0
H5ATOTH	19578	91979.06	238678.08	-670000.0	14000000.0
H6ATOTH	18165	106034.75	163961.81	-500000.0	9959000.0
H7ATOTH	20129	128069.16	320235.98	-939000.0	24000000.0
H8ATOTH	18469	156818.61	237519.65	-1000000.0	5500000.0
H9ATOTH	17217	159092.58	421245.68	-850000.0	24400000.0
H10ATOTH	22034	117565.36	223480.38	-2750000.0	10000000.0
H11ATOTH	20554	113191.02	204094.43	-495000.0	9411437.0
H12ATOTH	18747	124087.85	210553.03	-3860000.0	5000000.0
H13ATOTH	20912	129838.15	232821.86	-500000.0	6000000.0
H14ATOTH	17146	157991.44	838709.89	-399200.0	99110000.0
H15ATOTH	15723	175006.03	304156.09	-2020000.0	10000000.0
H16ATOTH	15787	220434.14	361144.30	-419414.2	10000001.0

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The net value of housing HwATOTH is calculated as the value of the primary residence less mortgages and other home loans:

HwATOTH = HwAHOUS - Sum (HwAMORT, HwAHMLN)

Users should note the following outlier:

HHIDPN: 33562010 reported having a primary home (QH020) worth $100,000,000 in Wave 14, which is used in the calculation of H14ATOTH. The accuracy of this amount has been confirmed by HRS.

Cross Wave Differences in Original HRS Data

See cross-wave differences for the components:

HwAHOUS = value of primary residence

HwAMORT = value of all mortgages/land contracts (primary residence)

HwAHMLN = value of other home loans (primary residence)

Value of secondary residence

Wave	Variable	Label	Type
1	H1AHOUB	H1AHOUB:W1 Assets:2nd Home--Cross-wave	Cont
2	H2AHOUB	H2AHOUB:W2 Assets:2nd Home--Cross-wave	Cont
3	H3AHOUB	H3AHOUB:W3 Assets:2nd Home--Cross-wave	Cont
4	H4AHOUB	H4AHOUB:W4 Assets:2nd Home--Cross-wave	Cont
5	H5AHOUB	H5AHOUB:W5 Assets:2nd Home--Cross-wave	Cont
6	H6AHOUB	H6AHOUB:W6 Assets:2nd Home--Cross-wave	Cont
7	H7AHOUB	H7AHOUB:W7 Assets:2nd Home--Cross-wave	Cont
8	H8AHOUB	H8AHOUB:W8 Assets:2nd Home--Cross-wave	Cont
9	H9AHOUB	H9AHOUB:W9 Assets:2nd Home--Cross-wave	Cont
10	H10AHOUB	H10AHOUB:W10 Assets:2nd Home--Cross-wave	Cont
11	H11AHOUB	H11AHOUB:W11 Assets:2nd Home--Cross-wave	Cont
12	H12AHOUB	H12AHOUB:W12 Assets:2nd Home--Cross-wave	Cont
13	H13AHOUB	H13AHOUB:W13 Assets:2nd Home--Cross-wave	Cont
14	H14AHOUB	H14AHOUB:W14 Assets:2nd Home--Cross-wave	Cont
15	H15AHOUB	H15AHOUB:W15 Assets:2nd Home--Cross-wave	Cont
16	H16AHOUB	H16AHOUB:W16 Assets:2nd Home--Cross-wave	Cont
1	H1AFHOUB	H1AFHOUB:W1 Assets Flag:2nd Home--Cross-wave	Categ
2	H2AFHOUB	H2AFHOUB:W2 Assets Flag:2nd Home--Cross-wave	Categ
4	H4AFHOUB	H4AFHOUB:W4 Assets Flag:2nd Home--Cross-wave	Categ
5	H5AFHOUB	H5AFHOUB:W5 Assets Flag:2nd Home--Cross-wave	Categ
6	H6AFHOUB	H6AFHOUB:W6 Assets Flag:2nd Home--Cross-wave	Categ
7	H7AFHOUB	H7AFHOUB:W7 Assets Flag:2nd Home--Cross-wave	Categ
8	H8AFHOUB	H8AFHOUB:W8 Assets Flag:2nd Home--Cross-wave	Categ
9	H9AFHOUB	H9AFHOUB:W9 Assets Flag:2nd Home--Cross-wave	Categ
10	H10AFHOUB	H10AFHOUB:W10 Assets Flag:2nd Home--Cross-wave	Categ
11	H11AFHOUB	H11AFHOUB:W11 Assets Flag:2nd Home--Cross-wave	Categ
12	H12AFHOUB	H12AFHOUB:W12 Assets Flag:2nd Home--Cross-wave	Categ
13	H13AFHOUB	H13AFHOUB:W13 Assets Flag:2nd Home--Cross-wave	Categ
14	H14AFHOUB	H14AFHOUB:W14 Assets Flag:2nd Home--Cross-wave	Categ
15	H15AFHOUB	H15AFHOUB:W15 Assets Flag:2nd Home--Cross-wave	Categ
16	H16AFHOUB	H16AFHOUB:W16 Assets Flag:2nd Home--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AHOUB	12652	14019.27	86850.38	0.0	5000000.0
H2AHOUB	11420	10862.36	49767.75	0.0	2000000.0
H3AHOUB	17991	10831.84	52156.01	0.0	3000000.0
H4AHOUB	21384	12006.86	58163.30	0.0	2000000.0
H5AHOUB	19578	13609.53	63861.70	0.0	1900000.0
H6AHOUB	18165	17147.71	84950.40	0.0	3000000.0
H7AHOUB	20129	21698.49	143487.15	0.0	10000000.0
H8AHOUB	18469	25938.90	133343.96	0.0	6000000.0
H9AHOUB	17217	27090.60	132109.93	0.0	3000000.0
H10AHOUB	22034	23152.99	129178.69	0.0	5525000.0
H11AHOUB	20554	22842.36	108163.78	0.0	3500000.0
H12AHOUB	18747	28466.02	497727.28	0.0	65000000.0
H13AHOUB	20912	23472.51	119985.51	0.0	6000000.0
H14AHOUB	17146	24790.04	125563.69	0.0	3800000.0
H15AHOUB	15723	26249.41	137726.22	0.0	4500000.0
H16AHOUB	15787	29730.32	185444.80	0.0	9000000.0
H1AFHOUB	12652	5.36	1.72	1.0	9.0
H2AFHOUB	11420	5.40	1.69	1.0	9.0
H4AFHOUB	21384	5.46	1.60	1.0	9.0

H5AFHOUB	19578	5.47	1.57	1.0	9.0
H6AFHOUB	18165	5.45	1.58	1.0	9.0
H7AFHOUB	20129	5.39	1.64	1.0	9.0
H8AFHOUB	18469	5.36	1.65	1.0	9.0
H9AFHOUB	17217	5.33	1.70	1.0	9.0
H10AFHOUB	22034	5.38	1.71	1.0	9.0
H11AFHOUB	20554	5.35	1.70	1.0	9.0
H12AFHOUB	18747	5.35	1.72	1.0	9.0
H13AFHOUB	20912	5.42	1.67	1.0	9.0
H14AFHOUB	17146	5.47	1.66	1.0	9.0
H15AFHOUB	15723	5.51	1.64	1.0	9.0
H16AFHOUB	15787	5.59	1.53	1.0	9.0

Categorical Variable Codes

HwAFHOUB: Assets Flag:2nd Home--Cross-wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		8222								
1.Continuous value	1656	1344		2213	1956	1870	2189	2076	2083	2561
2.Complete bracket		118		222	227	194	349	318	281	349
3.Incomplete bracket		22		6	38	12	24	33	36	55
4.Range card bracket	26									
5.No value/bracket	114	25		48	67	87	181	166	136	185
6.No asset	10734	9769		18667	17093	15740	17215	15787	14552	18496
7.DK ownership	27	18		58	75	223	110	41	66	93
9.No Fin resp	95	124		170	122	39	61	48	63	295

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
1.Continuous value	2418	2259	2301	1811	1552	1339
2.Complete bracket	356	291	298	211	206	173
3.Incomplete bracket	45	34	50	56	33	28
4.Range card bracket						
5.No value/bracket	168	149	145	127	108	120
6.No asset	17346	15783	17752	14551	13378	13699
7.DK ownership	80	66	75	73	87	86
9.No Fin resp	141	165	291	317	359	342

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The reported or imputed value of the Respondent's second home is assigned to HwAHOUB. The HwAFHOUB variable indicates whether the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

In Wave 2A, there was no separate information in the survey about the gross value of the second home and any loans on it, as this was included in the real estate question. Therefore, aside from H2AOHOUB (which indicates whether the household owns a second home, and is available in the RAND HRS Detailed Imputations File), we did not attempt to create separate variables for this wave, and only provide the imputed net value of the second home, based on reconstructions and imputations by Cao and Juster (2004).[34] See the "Net value of secondary residence" section for more information.

For Wave 3, there was a skip pattern error, such that certain households with second homes were not asked the questions pertaining to these types of residences. Specifically, if the Coverscreen Respondent did not report living in a second home for at least two months during the year, the household was not asked questions about ownership and the value of a second home. For this wave, we provide H3AHOUB and H3AOHOUB (which indicates whether the household owns a second home, and is available in the RAND HRS Detailed Imputations File), based on reconstructions and imputations by Cao and Juster (2004)[35], but not H3AFHOUB. See the "Net value of secondary residence" section for more information.

From Wave 4 forward, to determine ownership of a second home, we look at responses to questions about whether the person is in a nursing home and if so, whether they own a home outside of the nursing home. In some cases, there is a discrepancy between what is reported on these questions and what was listed on the Tracker file, that is, some individuals said they were in a nursing home (and did not own a home outside of the nursing home), but the Tracker file said they were not in a nursing home. We considered the information from the Tracker to be the most accurate.

Users should note the following outlier:

HHIDPN: 529220010 reported having a second home (OH166) worth $65,000,000 in Wave 12. He also reported having a loan on this second home (OH171) of $3,200,000. Therefore, the net value of his second home is $61,800,000.

Cross Wave Differences in Original HRS Data

The value of the second home is asked in each wave, though in some waves it is problematic. Questions reveal whether Respondents own their second home and if so, its value.

In Wave 1, the questions about second home ask:

a) "Do you (or your husband/or your wife/or your partner/. . .) own a second home or condo? (TIME-SHARE WEEKS SHOULD BE INCLUDED.)"

b) "Could you tell me the present value of (your part of) that property – I mean, about how much would it bring if it were sold today?"

In Wave 2A, ownership of a second home is asked about within the context of real estate investments:

a) "Do you (or your (husband/wife/partner)) have any real estate (other than your main home), such as land, a second home, rental real estate, a partnership, or money owed to you on a land contract or mortgage?"

b) "If you sold all that and then paid off any debts on it, about how much would you get?"

In Wave 3, the questions about a second home are very similar to those for the primary home:

[34] Cao, H., and Juster, T. (2004). Correcting Second Home Equity in HRS/AHEAD: The Issues, a Method, and Some Preliminary Results. University of Michigan, Institute for Social Research. Available from the HRS website: https://hrsdata.isr.umich.edu/data-products/hrsahead-second-home-ownership-and-equi ty-corrections.

[35] Ibid.

a) "Do you (and your husband/and your wife/and your partner) own that home, rent it, or what?"

b) "Do you (or your husband/or your wife/or your partner) own this farm/ranch, do you own part of it, do you rent it, or what?"

c) "Do you (or your husband/or your wife/or your partner) own both the mobile home and site, do you own only the home, do you rent both the home and site, or what?"

d) "What is its present value? I mean, about what would it bring if it were sold today?"

In Wave 2H and from Wave 4 forward, the questions are consistent and the wordings are also the same:

a) "Not including investment property, do you (or your husband/or your wife/or your partner/. . .) own a second home or condo?"

b) "What is its present value? (What is the present value of your part of it?) I mean, about what would it bring if it were sold today?"

From Wave 2 forward, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket entry points vary across waves. In Wave 1, no unfolding bracket questions were asked, though range cards could be used to obtain the value.

HRS Variables Used

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HRS 1992:
    V10816          D39:91-R1-OWN2NDHOME:IND
    V10824          D44:CURR_PROP_PRT_VA:IND
    V816            D39:OWN 2ND HOME/CON:IMP
    V824            D44:CURR VALUE:$    :IMP
AHEAD 1993:
    B1720           K2. REAL ESTATE: ANY
    B1720F          FLAG: K2. REAL ESTATE: ANY
    B1720H          HOLD: K2. REAL ESTATE: ANY
    B1721           K3. REAL ESTATE: NET VALUE
    B1721C          CATEG: K3. REAL ESTATE: NET VALUE
    B1721F          FLAG: K3. REAL ESTATE: NET VALUE
    B1721X          IMP: K3. REAL ESTATE: NET VALUE
HRS 1994:
    W10710          D81. Imputation indicato
    W10718          D87. Imputation indicato
    W710            D81.OWN SECOND HOME/COND
    W717            D86.PURCHASE PRICE OF SE
    W719            D87a-D87d. Brackets
AHEAD 1995:
    D240            CS11.R-WHERE LIVE
    D2407           F41.LIVE FARM OR RANCH-2
    D2408           F42.TYPE HOME-2
    D2409           F43.OWN-RENT HOME-2
    D2410           F43A.OWN BUILDING-2
    D2412           F44.OWN FARM-2
    D2417           F45.OWN MOBILE HOME AND SITE-2
    D2435           F46F.$ VALUE 2ND HOME
    D2436           F46G.F46F DK.1-2
    D2437           F46H.F46F DK.2-2
    D2438           F46J.F46F DK.3-2
    D2439           F46K.F46F DK.4-2
    D420            CS26.NURHM: STILL OWN/RENT HOME
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HRS 1996:
    E240            CS11.R-WHERE LIVE
    E2407           F41.LIVE FARM OR RANCH-2
    E2408           F42.TYPE HOME-2
    E2409           F43.OWN-RENT HOME-2
    E2410           F43A.OWN BUILDING-2
    E2412           F44.OWN FARM-2
    E2417           F45.OWN MOBILE HOME AND SITE-2
    E2435           F46F.$ VALUE 2ND HOME
    E2436           F46G.$ VALUE 2ND HOME DK.1-2
    E2437           F46H.$ VALUE 2ND HOME DK.2-2
    E2438           F46J.$ VALUE 2ND HOME DK.3-2
    E2439           F46K.$ VALUE 2ND HOME DK.4-2
    E420            CS26.NURHM: STILL OWN/RENT HOME
HRS 1998:
    F2914           F40.OWN 2ND HOME
    F2950           F46F.$ VALUE 2ND HOME
    F2951           F46G.F46F DK.1-2
    F2952           F46H.F46F DK.2-2
    F2953           F46J.F46F DK.3-2
    F2954           F46K.F46F DK.4-2
    F517            CS11.R IN NURSING HOME
    F721            CS26.NURHM: STILL OWN/RENT HOME
HRS 2000:
    G3232           F40.OWN 2ND HOME
    G3268           F46F.$ VALUE 2ND HOME
    G3269           F46G.F46F DK 1-2
    G3270           F46H.F46F DK 2-2
    G3271           F46J.F46F DK 3-2
    G3272           F46K.F46F DK 4-2
    G558            CS11.R IN NURSING HOME
    G794            CS26.NURHM: STILL OWN/RENT HOME
HRS 2002:
    TYPASST         TYPE OF ASSETS
HRS 2002:
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
HRS 2004:
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
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    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2022:
    SHU001_3        ASSET RECONCILIATION - HOME2
    SHU002_3        ASSET RECONCILIATION - WHICH WRONG-HOME2
    SHU003_3A       ASSET RECONCILIATION - HOW MUCH -A-HOME2
    SHU003_3B       ASSET RECONCILIATION - HOW MUCH-B-HOME2
    SHU004_3A       ASSET RECONCILIATION - MIN-A-HOME2
    SHU004_3B       ASSET RECONCILIATION - MIN-B-HOME2
    SHU005_3A       ASSET RECONCILIATION - MAX-A -HOME2
    SHU005_3B       ASSET RECONCILIATION - MAX-B -HOME2
    SHU006_3A       ASSET RECONCILIATION - RESULT-A-HOME2
    SHU006_3B       ASSET RECONCILIATION - RESULT-B-HOME2
    SHU022_3A       WHICH WAVE WRONG-A-HOME2
    SHU022_3B       WHICH WAVE WRONG-B-HOME2
HRS 2002-2022:
    xA028           R IN NURSING HOME
    xA070           NH: STILL OWN/RENT HOME
    xH151           OWN SECOND HOME
    xH166           DOLLAR VALUE SECOND HOME
    xH167           DOLLAR VALUE SECOND HOME - MINIMUM
    xH168           DOLLAR VALUE SECOND HOME - MAXIMUM
    xH169           DOLLAR VALUE SECOND HOME - RESULT
HRS 2006-2020:
    xU001_17        ASSET RECONCILIATION-HOME2
    xU002_17        ASSET RECON WHICH WRONG-HOME2
    xU003_17A       ASSET RECON HOW MUCH -A-HOME2
    xU003_17B       ASSET RECON HOW MUCH-B-HOME2
    xU004_17A       ASSET RECON -MIN-A-HOME2
    xU004_17B       ASSET RECON -MIN-B-HOME2
    xU005_17A       ASSET RECON -MAX-A -HOME2
    xU005_17B       ASSET RECON -MAX-B -HOME2
    xU006_17A       ASSET RECON - RESULT-A-HOME2
    xU006_17B       ASSET RECON - RESULT-B-HOME2
    xU022_17A       WHICH WAVE WRONG-A-HOME2
    xU022_17B       WHICH WAVE WRONG-B-HOME2
Tracker:
    xNURSHM             2000-2022 NURSING HOME STATUS
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Value of all mortgages/land contracts (secondary residence)

Wave	Variable	Label	Type
1	H1AMRTB	H1AMRTB:W1 Assets:2nd Home Mtg--Cross-wave	Cont
2	H2AMRTB	H2AMRTB:W2 Assets:2nd Home Mtg--Cross-wave	Cont
3	H3AMRTB	H3AMRTB:W3 Assets:2nd Home Mtg--Cross-wave	Cont
4	H4AMRTB	H4AMRTB:W4 Assets:2nd Home Mtg--Cross-wave	Cont
5	H5AMRTB	H5AMRTB:W5 Assets:2nd Home Mtg--Cross-wave	Cont
6	H6AMRTB	H6AMRTB:W6 Assets:2nd Home Mtg--Cross-wave	Cont
7	H7AMRTB	H7AMRTB:W7 Assets:2nd Home Mtg--Cross-wave	Cont
8	H8AMRTB	H8AMRTB:W8 Assets:2nd Home Mtg--Cross-wave	Cont
9	H9AMRTB	H9AMRTB:W9 Assets:2nd Home Mtg--Cross-wave	Cont
10	H10AMRTB	H10AMRTB:W10 Assets:2nd Home Mtg--Cross-wave	Cont
11	H11AMRTB	H11AMRTB:W11 Assets:2nd Home Mtg--Cross-wave	Cont
12	H12AMRTB	H12AMRTB:W12 Assets:2nd Home Mtg--Cross-wave	Cont
13	H13AMRTB	H13AMRTB:W13 Assets:2nd Home Mtg--Cross-wave	Cont
14	H14AMRTB	H14AMRTB:W14 Assets:2nd Home Mtg--Cross-wave	Cont
15	H15AMRTB	H15AMRTB:W15 Assets:2nd Home Mtg--Cross-wave	Cont
16	H16AMRTB	H16AMRTB:W16 Assets:2nd Home Mtg--Cross-wave	Cont
1	H1AFMRTB	H1AFMRTB:W1 Assets Flag:2nd Home Mtg--Cross-wave	Categ
2	H2AFMRTB	H2AFMRTB:W2 Assets Flag:2nd Home Mtg--Cross-wave	Categ
4	H4AFMRTB	H4AFMRTB:W4 Assets Flag:2nd Home Mtg--Cross-wave	Categ
5	H5AFMRTB	H5AFMRTB:W5 Assets Flag:2nd Home Mtg--Cross-wave	Categ
6	H6AFMRTB	H6AFMRTB:W6 Assets Flag:2nd Home Mtg--Cross-wave	Categ
7	H7AFMRTB	H7AFMRTB:W7 Assets Flag:2nd Home Mtg--Cross-wave	Categ
8	H8AFMRTB	H8AFMRTB:W8 Assets Flag:2nd Home Mtg--Cross-wave	Categ
9	H9AFMRTB	H9AFMRTB:W9 Assets Flag:2nd Home Mtg--Cross-wave	Categ
10	H10AFMRTB	H10AFMRTB:W10 Assets Flag:2nd Home Mtg--Cross-wave	Categ
11	H11AFMRTB	H11AFMRTB:W11 Assets Flag:2nd Home Mtg--Cross-wave	Categ
12	H12AFMRTB	H12AFMRTB:W12 Assets Flag:2nd Home Mtg--Cross-wave	Categ
13	H13AFMRTB	H13AFMRTB:W13 Assets Flag:2nd Home Mtg--Cross-wave	Categ
14	H14AFMRTB	H14AFMRTB:W14 Assets Flag:2nd Home Mtg--Cross-wave	Categ
15	H15AFMRTB	H15AFMRTB:W15 Assets Flag:2nd Home Mtg--Cross-wave	Categ
16	H16AFMRTB	H16AFMRTB:W16 Assets Flag:2nd Home Mtg--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AMRTB	12652	2372.10	14119.52	0.0	325000.0
H2AMRTB	11420	2148.94	14352.17	0.0	460000.0
H3AMRTB	17991	1416.29	21155.02	0.0	2369000.0
H4AMRTB	21384	1694.15	15644.56	0.0	520000.0
H5AMRTB	19578	1683.82	18403.74	0.0	1100000.0
H6AMRTB	18165	1611.01	15381.43	0.0	510000.0
H7AMRTB	20129	2270.18	23082.38	0.0	700000.0
H8AMRTB	18469	2453.91	22576.15	0.0	815000.0
H9AMRTB	17217	2969.32	25868.60	0.0	630000.0
H10AMRTB	22034	3168.55	27690.09	0.0	1000000.0
H11AMRTB	20554	3090.35	24741.75	0.0	630000.0
H12AMRTB	18747	3429.09	34831.22	0.0	3200000.0
H13AMRTB	20912	3051.83	24604.79	0.0	600000.0
H14AMRTB	17146	3118.97	34500.72	0.0	2000000.0
H15AMRTB	15723	2650.36	27743.26	0.0	1160000.0
H16AMRTB	15787	2373.92	52047.71	0.0	4000000.0
H1AFMRTB	12652	5.74	1.19	1.0	9.0
H2AFMRTB	11420	5.81	1.08	1.0	9.0
H4AFMRTB	21384	5.89	0.85	1.0	9.0

H5AFMRTB	19578	5.90	0.82	1.0	9.0
H6AFMRTB	18165	5.91	0.75	1.0	9.0
H7AFMRTB	20129	5.91	0.75	1.0	9.0
H8AFMRTB	18469	5.90	0.76	1.0	9.0
H9AFMRTB	17217	5.90	0.79	1.0	9.0
H10AFMRTB	22034	5.92	0.86	1.0	9.0
H11AFMRTB	20554	5.90	0.84	1.0	9.0
H12AFMRTB	18747	5.90	0.85	1.0	9.0
H13AFMRTB	20912	5.92	0.86	1.0	9.0
H14AFMRTB	17146	5.96	0.82	1.0	9.0
H15AFMRTB	15723	5.99	0.81	1.0	9.0
H16AFMRTB	15787	6.01	0.71	1.0	9.0

Categorical Variable Codes

HwAFMRTB: Assets Flag:2nd Home Mtg--Cross-wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		8222								
1.Continuous value	718	473		541	464	368	403	395	391	530
2.Complete bracket		44		24	28	41	40	34	25	28
3.Incomplete bracket		6		2	3	2	2	5	2	7
4.Range card bracket	14									
5.No value/bracket	51	9		16	23	19	26	12	16	10
6.No asset	11736	10734		20566	18851	17449	19456	17899	16606	21018
7.DK ownership	38	30		65	87	246	141	76	114	146
9.No Fin resp	95	124		170	122	40	61	48	63	295

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
1.Continuous value	517	472	496	329	270	185
2.Complete bracket	17	20	20	15	8	8
3.Incomplete bracket	7		2	1	3	1
4.Range card bracket						
5.No value/bracket	16	8	12	5	12	5
6.No asset	19725	17973	19967	16360	14933	15137
7.DK ownership	131	109	124	119	138	109
9.No Fin resp	141	165	291	317	359	342

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The reported or imputed value of a second home mortgage (or other loans on it) is assigned to HwAMRTB. The HwAFMRTB variable indicates whether the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

In Wave 2A, there was no separate information in the survey about the gross value of the second home and any loans on it, as this was included in the real estate question. Therefore, we did not attempt to create separate variables for this wave, and only provide the imputed net value of the second home, based on reconstructions and imputations by Cao and Juster (2004).[36] See the "Net value of secondary residence" section for more information.

For Wave 3, there was a skip pattern error, such that certain households with second homes were not asked the questions pertaining to these types of residences. Specifically, if the Coverscreen Respondent did not report living in a second home for at least two months during the year, the household was not asked questions about ownership and the value of a second home. For this wave, we provide H3AMRTB and H3AOMRTB (which indicates whether the household has a second home mortgage, and is available in the RAND HRS Detailed Imputations File), based on reconstructions and imputations by Cao and Juster (2004)[37], but not H3AFMRTB. See the "Net value of secondary residence" section for more information.

Users should note the following outlier:

HHIDPN: 529220010 reported having a second home (OH166) worth $65,000,000 in Wave 12. He also reported having a loan on this second home (OH171) of $3,200,000. Therefore, the net value of his second home is $61,800,000.

Cross Wave Differences in Original HRS Data

The value of a second home mortgage is asked in each wave, with the exception of Wave 2A. The manner in which the questions are asked varies across waves.

In Waves 1 and 2H, the questions about second home mortgage ask:

a) "Do you owe any money on this property?"

b) "About how much do you owe?"

In Wave 3, the questions about second home mortgages are very similar to those for the primary home:

a) "Do you have a mortgage, land contract, second mortgage, or any other loan that uses the property as collateral? Please do not include home equity lines of credit."

b) [If 1st mortgage] "About how much do you still owe on the mortgage or land contract?"

c) [If 2nd mortgage] "About how much do you still owe on that second mortgage?"

d) [If other loan] "About how much do you still owe on that loan?"

e) [If home equity line of credit] "About how much is currently owed?"

Beginning in Wave 4, the questions are consistent. They are also similar to those in Wave 3 with the only difference being that all branch to one value question:

a) "(Taking all mortgages and loans together,) about how much do you owe on your second home?"

[36] Ibid.
[37] Ibid.

From Wave 2H forward, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket entry points vary across waves. In Wave 1, no unfolding bracket questions are asked, though range cards could be used to obtain the value.

HRS Variables Used

```
HRS 1992:
    V10825          D45:OWE_MONEY_ON_PRO:IND
    V10826          D45A:AMT_OWE_ON_PROP:IND
    V825            D45:OWE MONEY ON PRO:IMP
    V826            D45A:AMT $ OWE ON PR:IMP
HRS 1994:
    W10720          D88. Imputation indicato
    W10721          D88a. Imputation indicat
    W720            D88.OWE MONEY ON SECOND
    W721            D88a.AMOUNT OWED ON SECO
    W722            D88a1-D88a3. Brackets
AHEAD 1995:
    D2440M1         F47.HOME MORTGAGE-2
    D2445           F47D.$ OWN ON MORTGAGE-2
    D2446           F47E.  F47E DK.1-2
    D2447           F47F.  F47E DK.2-2
    D2448           F47F.  F47E DK.2-3
    D2452           F49C.$ OWN ON 2ND MORTGAGE-2
    D2453           F49D. DK.1-2
    D2454           F49E. DK.2-2
    D2455           F49F. DK.3-2
    D2459           F50B. $ OWE ON LOAN-2
    D2460           F50C.DK.1-2
    D2461           F50D.DK.2-2
    D2462           F50E.DK.3-2
    D2463           F51.HOME EQUITY CREDIT-2
    D2464           F51A.$ COULD BORROW-2
    D2465           F51B.EQUITY LOAN NOW-2
    D2466           F51C.$ OWED EQUITY LOAD-2
HRS 1996:
    E2440M1         F47.HOME MORTGAGE-2
    E2445           F47D.$ OWE ON MORTGAGE-2
    E2446           F47E.$ OWE ON MORTGAGE-2 DK.1-2
    E2447           F47F.$ OWE ON MORTGAGE-2 DK.2-2
    E2448           F47F.$ OWE ON MORTGAGE-2 DK.2-3
    E2452           F49C.$ OWE ON 2ND MORTGAGE-2
    E2453           F49D.$ OWE ON 2ND MORTGAGE-2 DK.1-2
    E2454           F49E.$ OWE ON 2ND MORTGAGE-2 DK.2-2
    E2455           F49F.$ OWE ON 2ND MORTGAGE-2 DK.3-2
    E2459           F50B. $ OWE ON LOAN-2
    E2460           F50C.$ OWE ON LOAN-2 DK.1-2
    E2461           F50D.$ OWE ON LOAN-2 DK.2-2
    E2462           F50E.$ OWE ON LOAN-2 DK.3-2
    E2463           F51.HOME EQUITY CREDIT-2
    E2464           F51A.$ COULD BORROW-2
    E2465           F51B.EQUITY LOAN NOW-2
    E2466           F51C.$ OWED EQUITY LOAD-2
HRS 1998:
    F2955M1         F47.HOME MORTGAGE-2ND
    F2955M2         F47.HOME MORTGAGE-2ND
    F2957           F47A.TOTAL $ OWED ALL MORTGAGES/LOANS-2N
    F2963           F47E.F47D DK.1-2ND
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    F2964           F47F.  F47D DK.2-2ND
    F2965           F47G.  F47D DK.2-2ND
HRS 2000:
    G3273M1         F47.HOME MORTGAGE-2ND
    G3273M2         F47.HOME MORTGAGE-2ND
    G3275           F47A.TOTAL OWE MRTGG/LOAN-2ND HOME
    G3281           F47E.F47D DK 1-2ND
    G3282           F47F.F47D DK 2-2ND
    G3283           F47G.F47D DK 2-2ND
HRS 2002:
    TYPASST         TYPE OF ASSETS
HRS 2002:
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
HRS 2004:
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2002-2020:
    xH170M3         HOME MORTGAGE - SECOND
HRS 2002-2022:
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    xH170M1         HOME MORTGAGE - SECOND
    xH170M2         HOME MORTGAGE - SECOND
    xH171           TOTAL OWE MORTGAGE/LOAN - SECOND HOME
    xH172           TOT OWE MORTGAGE/LOAN - 2ND HOME- MIN
    xH173           TOT OWE MORTGAGE/LOAN - 2ND HOME- MAX
    xH174           TOT OWE MORTGAGE/LOAN - 2ND HOME- RESULT
HRS 2006-2020:
    xU001_18        ASSET RECON-HOME2 MORT
    xU002_18        ASSET RECON WHICH WRONG-HOME2 MORT
    xU003_18A       ASSET RECON HOW MUCH -A-HOME2 MORT
    xU003_18B       ASSET RECON HOW MUCH-B-HOME2 MORT
    xU004_18A       ASSET RECON -MIN-A-HOME2 MORT
    xU004_18B       ASSET RECON -MIN-B-HOME2 MORT
    xU005_18A       ASSET RECON -MAX-A -HOME2 MORT
    xU005_18B       ASSET RECON -MAX-B -HOME2 MORT
    xU006_18A       ASSET RECON - RES-A-HOME2 MORT
    xU006_18B       ASSET RECON - RES-B-HOME2 MORT
    xU022_18A       WHICH WAVE WRONG-A-HOME2 MORT
    xU022_18B       WHICH WAVE WRONG-B-HOME2 MORT
```

Net value of secondary residence

Wave	Variable	Label	Type
1	H1ANETHB	H1ANETHB:W1 Net Value of 2nd Home--Cross-wave	Cont
2	H2ANETHB	H2ANETHB:W2 Net Value of 2nd Home--Cross-wave	Cont
3	H3ANETHB	H3ANETHB:W3 Net Value of 2nd Home--Cross-wave	Cont
4	H4ANETHB	H4ANETHB:W4 Net Value of 2nd Home--Cross-wave	Cont
5	H5ANETHB	H5ANETHB:W5 Net Value of 2nd Home--Cross-wave	Cont
6	H6ANETHB	H6ANETHB:W6 Net Value of 2nd Home--Cross-wave	Cont
7	H7ANETHB	H7ANETHB:W7 Net Value of 2nd Home--Cross-wave	Cont
8	H8ANETHB	H8ANETHB:W8 Net Value of 2nd Home--Cross-wave	Cont
9	H9ANETHB	H9ANETHB:W9 Net Value of 2nd Home--Cross-wave	Cont
10	H10ANETHB	H10ANETHB:W10 Net Value of 2nd Home--Cross-wave	Cont
11	H11ANETHB	H11ANETHB:W11 Net Value of 2nd Home--Cross-wave	Cont
12	H12ANETHB	H12ANETHB:W12 Net Value of 2nd Home--Cross-wave	Cont
13	H13ANETHB	H13ANETHB:W13 Net Value of 2nd Home--Cross-wave	Cont
14	H14ANETHB	H14ANETHB:W14 Net Value of 2nd Home--Cross-wave	Cont
15	H15ANETHB	H15ANETHB:W15 Net Value of 2nd Home--Cross-wave	Cont
16	H16ANETHB	H16ANETHB:W16 Net Value of 2nd Home--Cross-wave	Cont
2	H2AFNETHB	H2AFNETHB:W2 Assets Flag:Net Value of 2nd Home--Cross-wave	Categ
3	H3AFNETHB	H3AFNETHB:W3 Assets Flag:Net Value of 2nd Home--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ANETHB	12652	11647.18	83196.07	-107000.0	5000000.0
H2ANETHB	19642	7299.48	42523.50	-197098.7	1870000.0
H3ANETHB	17991	9401.82	48775.46	-1669000.0	3000000.0
H4ANETHB	21384	10312.71	51391.65	-325000.0	1725000.0
H5ANETHB	19578	11925.72	56140.66	-35000.0	1500000.0
H6ANETHB	18165	15536.70	80532.40	-127000.0	3000000.0
H7ANETHB	20129	19428.31	137107.50	-150000.0	10000000.0
H8ANETHB	18469	23484.99	125124.40	-147000.0	6000000.0
H9ANETHB	17217	24121.29	123063.13	-500000.0	3000000.0
H10ANETHB	22034	19984.45	121637.54	-170000.0	5525000.0
H11ANETHB	20554	19752.02	99710.12	-240000.0	3250000.0
H12ANETHB	18747	25036.93	473252.31	-150000.0	61800000.0
H13ANETHB	20912	20420.69	113216.37	-350000.0	6000000.0
H14ANETHB	17146	21671.07	110858.94	-350000.0	3000000.0
H15ANETHB	15723	23599.04	131373.29	-288000.0	4500000.0
H16ANETHB	15787	27356.41	159520.16	-703655.6	5400000.0
H2AFNETHB	8222	6.22	1.64	1.0	9.0
H3AFNETHB	17991	8.16	2.31	1.0	9.0

Categorical Variable Codes

HwAFNETHB: Assets Flag:Net Value of 2nd Home--Cross-wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		11420								
1.Corrected: Purchasd befor		407	1169							
2.Corrected: 2nd hm in nxt		35	172							
3.No Corr: Curr wv Reports			595							
4.No Corr: Curr wv Imputati			103							
6.No asset		6430	139							
8.No FinR: Curr wv Imputati		65	83							
9.No Corr: No Cross-Wave Co		1285	15730							

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
1.Corrected: Purchasd befor						
2.Corrected: 2nd hm in nxt						
3.No Corr: Curr wv Reports						
4.No Corr: Curr wv Imputati						
6.No asset						
8.No FinR: Curr wv Imputati						
9.No Corr: No Cross-Wave Co						

Format Reference Tables – complete variable value labels

Variables: AFNETHB

.Q=Not asked this wv
1.Corrected: Purchasd before curr yr
2.Corrected: 2nd hm in nxt wv not purchasd aftr curr yr
3.No Corr: Curr wv Reports
4.No Corr: Curr wv Imputations
6.No asset
8.No FinR: Curr wv Imputations
9.No Corr: No Cross-Wave Connection

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The net value of second home HwANETHB is calculated as house value less mortgages:

HwANETHB = HwAHOUB - HwAMRTB

In Wave 2A, there was no information in the survey about the gross value of the second home and any loans on it. Therefore, we did not attempt to create the components H2AHOUB and H2AMRTB, and only provide the imputed net value of the second home, based on reconstructions and imputations by Cao and Juster (2004).[38]

[38] Ibid.

In Wave 3, there was a skip pattern error, such that certain households with second homes were not asked these questions. For this wave, we mostly used the reconstructions and imputations of the net value of the second home by Cao and Juster (2004)[39], and derived H3AHOUB and H3AMRTB from these.

The imputation flag variables HwAFNETHB are only available for Wave 2A and Wave 3. These variables are not consistent with our usual imputation flags, but instead are hybrids that incorporate the work of Cao and Juster (2004)[40] as well as some modifications related to our own corrections and additions. See Appendix D: Second Homes in Wave 2A and Wave 3 in the RAND HRS Detailed Imputations File Codebook available on the HRS website for a description of the methodology we used to impute information about second homes in these waves.

Users should note the following outlier:

HHIDPN: 529220010 reported having a second home (OH166) worth $65,000,000 in Wave 12. He also reported having a loan on this second home (OH171) of $3,200,000. Therefore, the net value of his second home is $61,800,000.

Cross Wave Differences in Original HRS Data

See cross-wave differences for the components:

HwAHOUB = value of secondary residence

HwAMRTB = value of all mortgages/land contracts (secondary residence)

[39] Ibid.
[40] Ibid.

Net value of non-housing financial wealth

Wave	Variable	Label	Type
1	H1ATOTF	H1ATOTF:W1 Non-Housing Financial Wealth--Cross-wave	Cont
2	H2ATOTF	H2ATOTF:W2 Non-Housing Financial Wealth--Cross-wave	Cont
3	H3ATOTF	H3ATOTF:W3 Non-Housing Financial Wealth--Cross-wave	Cont
4	H4ATOTF	H4ATOTF:W4 Non-Housing Financial Wealth--Cross-wave	Cont
5	H5ATOTF	H5ATOTF:W5 Non-Housing Financial Wealth--Cross-wave	Cont
6	H6ATOTF	H6ATOTF:W6 Non-Housing Financial Wealth--Cross-wave	Cont
7	H7ATOTF	H7ATOTF:W7 Non-Housing Financial Wealth--Cross-wave	Cont
8	H8ATOTF	H8ATOTF:W8 Non-Housing Financial Wealth--Cross-wave	Cont
9	H9ATOTF	H9ATOTF:W9 Non-Housing Financial Wealth--Cross-wave	Cont
10	H10ATOTF	H10ATOTF:W10 Non-Housing Financial Wealth--Cross-wave	Cont
11	H11ATOTF	H11ATOTF:W11 Non-Housing Financial Wealth--Cross-wave	Cont
12	H12ATOTF	H12ATOTF:W12 Non-Housing Financial Wealth--Cross-wave	Cont
13	H13ATOTF	H13ATOTF:W13 Non-Housing Financial Wealth--Cross-wave	Cont
14	H14ATOTF	H14ATOTF:W14 Non-Housing Financial Wealth--Cross-wave	Cont
15	H15ATOTF	H15ATOTF:W15 Non-Housing Financial Wealth--Cross-wave	Cont
16	H16ATOTF	H16ATOTF:W16 Non-Housing Financial Wealth--Cross-wave	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTF	12652	45883.14	157012.20	-790000.0	5142067.8
H2ATOTF	19642	56391.51	180660.99	-425000.0	8400000.0
H3ATOTF	17991	90301.86	449056.94	-487000.0	40550000.0
H4ATOTF	21384	100422.10	475942.75	-3636749.0	30400000.0
H5ATOTF	19578	114616.74	442717.11	-485500.0	33500000.0
H6ATOTF	18165	116703.18	808069.70	-598000.0	90000200.0
H7ATOTF	20129	121392.55	535179.30	-2335500.0	28400000.0
H8ATOTF	18469	134630.14	590760.25	-2199892.0	30250000.0
H9ATOTF	17217	134721.48	438686.23	-1400000.0	15231178.0
H10ATOTF	22034	106666.60	442731.98	-1250000.0	21200000.0
H11ATOTF	20554	109226.38	540234.86	-1685000.0	42300000.0
H12ATOTF	18747	127736.06	1536039.85	-1499500.0	202000000.0
H13ATOTF	20912	109360.29	473028.34	-1800000.0	16150000.0
H14ATOTF	17146	131246.56	602727.30	-1990000.0	21451955.1
H15ATOTF	15723	141495.35	565847.95	-2500000.0	17799500.0
H16ATOTF	15787	144781.22	586395.51	-1098000.0	22636515.9

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The net value of non-housing financial wealth HwATOTF is calculated as the sum of the appropriate wealth components less debt:

HwATOTF = Sum (HwASTCK, HwACHCK, HwACD, HwABOND, HwAOTHR) - HwADEBT

Note that this total does NOT include the value of IRAs and Keogh plans, nor does it include the value of any real estate, vehicles, or businesses. Also, beginning in Wave 16, HwADEBT sums the reported or imputed values of credit card (HwADEBTCC), medical (HwADEBTMD), educational (HwADEBTED), and any other debt (HwADEBTO). These variables, along with the associated imputation (HwAFDEBTCC, HwAFDEBTMD, HwAFDEBTED, HwAFDEBTO) and ownership (HwAODEBTCC, HwAODEBTMD, HwAODEBTED, HwAODEBTO) variables, are available in the RAND HRS Detailed Imputations File.

Non-IRA Defined Contribution (DC) pension account balances and Social Security wealth are also NOT included. DC pension account balances from the Respondent's current job (RwDCBAL1-4) are described in the codebook subsection titled, "Respondent's account balance for DC plan from current job." In earlier waves, pension plans were more likely to be Defined Benefit (DB) than DC plans. Although the HRS collects information on DB pensions, including some lump-sum values, we do not include DB pension wealth in the RAND HRS Longitudinal File because a lump-sum value is not directly comparable to the value of a defined benefit payout stream. Social Security wealth is only publicly available for pre-retiree Respondents. This is described in the codebook subsection titled, "Predicted SS wealth of Pre-retirees." Users must decide whether it is appropriate to adjust our derived "total wealth" variables to include these additional measures of wealth depending on their research agenda.

Cross Wave Differences in Original HRS Data

See cross-wave differences for the components:

HwASTCK = net value of stocks, mutual funds, and investment trusts

HwACHCK = value of checking, savings, or money market accounts

HwACD = value of CD, government savings bonds, and T-bills

HwABOND = net value of bonds and bond funds

HwAOTHR = net value of all other savings

HwADEBT = value of other debt

Total Wealth

Wave	Variable	Label	Type
1	H1ATOTB	H1ATOTB:W1 Total of all Assets--Cross-wave	Cont
2	H2ATOTB	H2ATOTB:W2 Total of all Assets--Cross-wave	Cont
3	H3ATOTB	H3ATOTB:W3 Total of all Assets--Cross-wave	Cont
4	H4ATOTB	H4ATOTB:W4 Total of all Assets--Cross-wave	Cont
5	H5ATOTB	H5ATOTB:W5 Total of all Assets--Cross-wave	Cont
6	H6ATOTB	H6ATOTB:W6 Total of all Assets--Cross-wave	Cont
7	H7ATOTB	H7ATOTB:W7 Total of all Assets--Cross-wave	Cont
8	H8ATOTB	H8ATOTB:W8 Total of all Assets--Cross-wave	Cont
9	H9ATOTB	H9ATOTB:W9 Total of all Assets--Cross-wave	Cont
10	H10ATOTB	H10ATOTB:W10 Total of all Assets--Cross-wave	Cont
11	H11ATOTB	H11ATOTB:W11 Total of all Assets--Cross-wave	Cont
12	H12ATOTB	H12ATOTB:W12 Total of all Assets--Cross-wave	Cont
13	H13ATOTB	H13ATOTB:W13 Total of all Assets--Cross-wave	Cont
14	H14ATOTB	H14ATOTB:W14 Total of all Assets--Cross-wave	Cont
15	H15ATOTB	H15ATOTB:W15 Total of all Assets--Cross-wave	Cont
16	H16ATOTB	H16ATOTB:W16 Total of all Assets--Cross-wave	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTB	12652	215430.50	449057.15	-710000.0	9610230.6
H2ATOTB	19642	212519.52	434037.03	-4583000.0	15230000.0
H3ATOTB	17991	273039.34	692120.71	-825896.3	41255000.0
H4ATOTB	21384	308692.33	1087922.39	-3624527.0	86530000.0
H5ATOTB	19578	350606.76	938091.17	-355000.0	53800200.0
H6ATOTB	18165	373804.99	1076944.43	-265995.0	90708200.0
H7ATOTB	20129	424200.30	1125297.58	-2245500.0	42226291.3
H8ATOTB	18469	502350.91	1261200.62	-2199392.0	43512000.0
H9ATOTB	17217	508233.43	1226114.22	-1064000.0	41866876.3
H10ATOTB	22034	394325.38	994482.56	-2760000.0	50900000.0
H11ATOTB	20554	391467.91	998460.88	-1495000.0	43500000.0
H12ATOTB	18747	445811.48	2467119.96	-2729000.0	308919674.5
H13ATOTB	20912	437601.52	1171577.46	-1098000.0	34149000.0
H14ATOTB	17146	522560.94	1887037.93	-1640000.0	117152000.0
H15ATOTB	15723	555653.20	1246255.05	-2442000.0	27370000.0
H16ATOTB	15787	635700.96	1398079.69	-1078000.0	28540000.0

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The net value of total wealth HwATOTB is calculated as the sum of all wealth components less all debt:

HwATOTB = Sum (HwAHOUS, HwANETHB, HwARLES, HwATRAN, HwABSNS, HwAIRA, HwASTCK, HwACHCK, HwACD, HwABOND, HwAOTHR) - Sum (HwAMORT, HwAHMLN, HwADEBT)

Note that beginning in Wave 16, HwADEBT sums the reported or imputed values of credit card (HwADEBTCC), medical (HwADEBTMD), educational (HwADEBTED), and any other debt (HwADEBTO). These variables, along with the associated imputation (HwAFDEBTCC, HwAFDEBTMD, HwAFDEBTED, HwAFDEBTO) and ownership (HwAODEBTCC, HwAODEBTMD, HwAODEBTED, HwAODEBTO) variables, are available in the RAND HRS Detailed Imputations File.

Non-IRA Defined Contribution (DC) pension account balances and Social Security wealth are also NOT included. DC pension account balances from the Respondent's current job (RwDCBAL1-4) are described in the codebook subsection titled, "Respondent's account balance for DC plan from current job." In earlier waves, pension plans were more likely to be Defined Benefit (DB) than DC plans. Although the HRS collects information on DB pensions, including some lump-sum values, we do not include DB pension wealth in the RAND HRS Longitudinal File because a lump-sum value is not directly comparable to the value of a defined benefit payout stream. Social Security wealth is only publicly available for pre-retiree Respondents. This is described in the codebook subsection titled, "Predicted SS wealth of Pre-retirees." Users must decide whether it is appropriate to adjust our derived "total wealth" variables to include these additional measures of wealth depending on their research agenda.

Cross Wave Differences in Original HRS Data

See cross-wave differences for the components:

HwAHOUS = value of primary residence

HwANETHB = net value of secondary residence

HwARLES = net value of real estate (not primary residence)

HwATRAN = net value of vehicles

HwABSNS = net value of businesses

HwAIRA = net value of IRA, Keogh accounts

HwASTCK = net value of stocks, mutual funds, and investment trusts

HwACHCK = value of checking, savings, or money market accounts

HwACD = value of CD, government savings bonds, and T-bills

HwABOND = net value of bonds and bond funds

HwAOTHR = net value of all other savings

HwAMORT = value of all mortgages/land contracts (primary residence)

HwAHMLN = value of other home loans (primary residence)

HwADEBT = value of other debt

Total Wealth (Excluding IRAs)

Wave	Variable	Label	Type
1	H1ATOTW	H1ATOTW:W1 Total Wealth less IRA--Cross-wave	Cont
2	H2ATOTW	H2ATOTW:W2 Total Wealth less IRA--Cross-wave	Cont
3	H3ATOTW	H3ATOTW:W3 Total Wealth less IRA--Cross-wave	Cont
4	H4ATOTW	H4ATOTW:W4 Total Wealth less IRA--Cross-wave	Cont
5	H5ATOTW	H5ATOTW:W5 Total Wealth less IRA--Cross-wave	Cont
6	H6ATOTW	H6ATOTW:W6 Total Wealth less IRA--Cross-wave	Cont
7	H7ATOTW	H7ATOTW:W7 Total Wealth less IRA--Cross-wave	Cont
8	H8ATOTW	H8ATOTW:W8 Total Wealth less IRA--Cross-wave	Cont
9	H9ATOTW	H9ATOTW:W9 Total Wealth less IRA--Cross-wave	Cont
10	H10ATOTW	H10ATOTW:W10 Total Wealth less IRA--Cross-wave	Cont
11	H11ATOTW	H11ATOTW:W11 Total Wealth less IRA--Cross-wave	Cont
12	H12ATOTW	H12ATOTW:W12 Total Wealth less IRA--Cross-wave	Cont
13	H13ATOTW	H13ATOTW:W13 Total Wealth less IRA--Cross-wave	Cont
14	H14ATOTW	H14ATOTW:W14 Total Wealth less IRA--Cross-wave	Cont
15	H15ATOTW	H15ATOTW:W15 Total Wealth less IRA--Cross-wave	Cont
16	H16ATOTW	H16ATOTW:W16 Total Wealth less IRA--Cross-wave	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTW	12652	197705.72	430372.49	-760000.0	9610230.6
H2ATOTW	19642	193005.34	412405.09	-4583000.0	15200000.0
H3ATOTW	17991	246433.78	661015.48	-834096.3	41255000.0
H4ATOTW	21384	270946.84	1063269.41	-3624527.0	86280000.0
H5ATOTW	19578	301187.70	879270.38	-355000.0	50600200.0
H6ATOTW	18165	327925.45	1039982.94	-265995.0	90688200.0
H7ATOTW	20129	373308.54	1032842.65	-2313500.0	37100000.0
H8ATOTW	18469	436936.83	1097174.88	-2199392.0	33800000.0
H9ATOTW	17217	444569.33	1165381.02	-1064000.0	41866876.3
H10ATOTW	22034	339164.60	935047.91	-2760000.0	50200000.0
H11ATOTW	20554	332115.19	932232.70	-1665000.0	43500000.0
H12ATOTW	18747	374159.79	2418030.39	-2729000.0	307619674.5
H13ATOTW	20912	367846.01	1091011.67	-1098000.0	34149000.0
H14ATOTW	17146	430666.09	1779403.22	-1640000.0	117112000.0
H15ATOTW	15723	448812.31	1089384.39	-2442000.0	27300000.0
H16ATOTW	15787	512055.94	1209919.56	-1078000.0	28540000.0

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The net value of total wealth less IRA HwATOTW is calculated as the sum of all wealth components except the value of IRAs and Keogh plans less all debt:

HwATOTW = Sum (HwAHOUS, HwANETHB, HwARLES, HwATRAN, HwABSNS, HwASTCK, HwACHCK, HwACD, HwABOND, HwAOTHR) - Sum (HwAMORT, HwAHMLN, HwADEBT)

Note that beginning in Wave 16, HwADEBT sums the reported or imputed values of credit card (HwADEBTCC), medical (HwADEBTMD), educational (HwADEBTED), and any other debt (HwADEBTO). These variables, along with the associated imputation (HwAFDEBTCC, HwAFDEBTMD, HwAFDEBTED, HwAFDEBTO) and ownership (HwAODEBTCC, HwAODEBTMD, HwAODEBTED, HwAODEBTO) variables, are available in the RAND HRS Detailed Imputations File.

Non-IRA Defined Contribution (DC) pension account balances and Social Security wealth are also NOT included. DC pension account balances from the Respondent's current job (RwDCBAL1-4) are described in the codebook subsection titled, "Respondent's account balance for DC plan from current job." In earlier waves, pension plans were more likely to be Defined Benefit (DB) than DC plans. Although the HRS collects information on DB pensions, including some lump-sum values, we do not include DB pension wealth in the RAND HRS Longitudinal File because a lump-sum value is not directly comparable to the value of a defined benefit payout stream. Social Security wealth is only publicly available for pre-retiree Respondents. This is described in the codebook subsection titled, "Predicted SS wealth of Pre-retirees." Users must decide whether it is appropriate to adjust our derived "total wealth" variables to include these additional measures of wealth depending on their research agenda.

Cross Wave Differences in Original HRS Data

See cross-wave differences for the components:

HwAHOUS = value of primary residence

HwANETHB = net value of secondary residence

HwARLES = net value of real estate (not primary residence)

HwATRAN = net value of vehicles

HwABSNS = net value of businesses

HwASTCK = net value of stocks, mutual funds, and investment trusts

HwACHCK = value of checking, savings, or money market accounts

HwACD = value of CD, government savings bonds, and T-bills

HwABOND = net value of bonds and bond funds

HwAOTHR = net value of all other savings

HwAMORT = value of all mortgages/land contracts (primary residence)

HwAHMLN = value of other home loans (primary residence)

HwADEBT = value of other debt

Total Non-housing Wealth

Wave	Variable	Label	Type
1	H1ATOTN	H1ATOTN:W1 Total Non-Housing Assets--Cross-wave	Cont
2	H2ATOTN	H2ATOTN:W2 Total Non-Housing Assets--Cross-wave	Cont
3	H3ATOTN	H3ATOTN:W3 Total Non-Housing Assets--Cross-wave	Cont
4	H4ATOTN	H4ATOTN:W4 Total Non-Housing Assets--Cross-wave	Cont
5	H5ATOTN	H5ATOTN:W5 Total Non-Housing Assets--Cross-wave	Cont
6	H6ATOTN	H6ATOTN:W6 Total Non-Housing Assets--Cross-wave	Cont
7	H7ATOTN	H7ATOTN:W7 Total Non-Housing Assets--Cross-wave	Cont
8	H8ATOTN	H8ATOTN:W8 Total Non-Housing Assets--Cross-wave	Cont
9	H9ATOTN	H9ATOTN:W9 Total Non-Housing Assets--Cross-wave	Cont
10	H10ATOTN	H10ATOTN:W10 Total Non-Housing Assets--Cross-wave	Cont
11	H11ATOTN	H11ATOTN:W11 Total Non-Housing Assets--Cross-wave	Cont
12	H12ATOTN	H12ATOTN:W12 Total Non-Housing Assets--Cross-wave	Cont
13	H13ATOTN	H13ATOTN:W13 Total Non-Housing Assets--Cross-wave	Cont
14	H14ATOTN	H14ATOTN:W14 Total Non-Housing Assets--Cross-wave	Cont
15	H15ATOTN	H15ATOTN:W15 Total Non-Housing Assets--Cross-wave	Cont
16	H16ATOTN	H16ATOTN:W16 Total Non-Housing Assets--Cross-wave	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTN	12652	142204.73	394015.75	-725000.0	8310230.6
H2ATOTN	19642	137076.04	364559.97	-279836.0	13730000.0
H3ATOTN	17991	190952.45	631085.01	-475000.0	40655000.0
H4ATOTN	21384	217220.50	1014035.62	-3636749.0	85710000.0
H5ATOTN	19578	246701.98	789422.65	-390000.0	50200000.0
H6ATOTN	18165	252233.55	998414.36	-277000.0	90148200.0
H7ATOTN	20129	276702.83	946308.18	-2245500.0	35352000.0
H8ATOTN	18469	322047.31	1118358.51	-2199392.0	43162000.0
H9ATOTN	17217	325019.56	977390.54	-1144000.0	40836876.3
H10ATOTN	22034	256775.57	840590.83	-943500.0	46900000.0
H11ATOTN	20554	258524.87	850837.81	-1510000.0	43300000.0
H12ATOTN	18747	296686.69	1977916.58	-1294500.0	245719674.5
H13ATOTN	20912	287342.68	1017058.15	-1115000.0	31410000.0
H14ATOTN	17146	342898.43	1496557.89	-1990000.0	100003000.0
H15ATOTN	15723	357048.13	1016642.24	-2500000.0	23865000.0
H16ATOTN	15787	387910.41	1140406.38	-1083000.0	26150000.0

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The net value of all non-housing wealth HwATOTN is calculated as the sum of the appropriate wealth components less debt:

HwATOTN = Sum (HwARLES, HwATRAN, HwABSNS, HwAIRA, HwASTCK, HwACHCK, HwACD, HwABOND, HwAOTHR) - HwADEBT

Note that the value of the primary residence, secondary residence, mortgages, and home loans are NOT included. Also, beginning in Wave 16, HwADEBT sums the reported or imputed values of credit card (HwADEBTCC), medical (HwADEBTMD), educational (HwADEBTED), and any other debt (HwADEBTO). These variables, along with the associated imputation (HwAFDEBTCC, HwAFDEBTMD, HwAFDEBTED, HwAFDEBTO) and ownership (HwAODEBTCC, HwAODEBTMD, HwAODEBTED, HwAODEBTO) variables, are available in the RAND HRS Detailed Imputations File.

Non-IRA Defined Contribution (DC) pension account balances and Social Security wealth are also NOT included. DC pension account balances from the Respondent's current job (RwDCBAL1-4) are described in the codebook subsection titled, "Respondent's account balance for DC plan from current job." In earlier waves, pension plans were more likely to be Defined Benefit (DB) than DC plans. Although the HRS collects information on DB pensions, including some lump-sum values, we do not include DB pension wealth in the RAND HRS Longitudinal File because a lump-sum value is not directly comparable to the value of a defined benefit payout stream. Social Security wealth is only publicly available for pre-retiree Respondents. This is described in the codebook subsection titled, "Predicted SS wealth of Pre-retirees." Users must decide whether it is appropriate to adjust our derived "total wealth" variables to include these additional measures of wealth depending on their research agenda.

Cross Wave Differences in Original HRS Data

See cross-wave differences for the components:

HwARLES = net value of real estate (not primary residence)

HwATRAN = net value of vehicles

HwABSNS = net value of businesses

HwAIRA = net value of IRA, Keogh accounts

HwASTCK = net value of stocks, mutual funds, and investment trusts

HwACHCK = value of checking, savings, or money market accounts

HwACD = value of CD, government savings bonds, and T-bills

HwABOND = net value of bonds and bond funds

HwAOTHR = net value of all other savings

HwADEBT = value of other debt

Section I: Income

Individual Earnings

Wave	Variable	Label	Type
1	R1IEARN	R1IEARN:W1 Income:R Earnings	Cont
2	R2IEARN	R2IEARN:W2 Income:R Earnings	Cont
3	R3IEARN	R3IEARN:W3 Income:R Earnings	Cont
4	R4IEARN	R4IEARN:W4 Income:R Earnings	Cont
5	R5IEARN	R5IEARN:W5 Income:R Earnings	Cont
6	R6IEARN	R6IEARN:W6 Income:R Earnings	Cont
7	R7IEARN	R7IEARN:W7 Income:R Earnings	Cont
8	R8IEARN	R8IEARN:W8 Income:R Earnings	Cont
9	R9IEARN	R9IEARN:W9 Income:R Earnings	Cont
10	R10IEARN	R10IEARN:W10 Income:R Earnings	Cont
11	R11IEARN	R11IEARN:W11 Income:R Earnings	Cont
12	R12IEARN	R12IEARN:W12 Income:R Earnings	Cont
13	R13IEARN	R13IEARN:W13 Income:R Earnings	Cont
14	R14IEARN	R14IEARN:W14 Income:R Earnings	Cont
15	R15IEARN	R15IEARN:W15 Income:R Earnings	Cont
16	R16IEARN	R16IEARN:W16 Income:R Earnings	Cont
1	S1IEARN	S1IEARN:W1 Income:Sp Earnings	Cont
2	S2IEARN	S2IEARN:W2 Income:Sp Earnings	Cont
3	S3IEARN	S3IEARN:W3 Income:Sp Earnings	Cont
4	S4IEARN	S4IEARN:W4 Income:Sp Earnings	Cont
5	S5IEARN	S5IEARN:W5 Income:Sp Earnings	Cont
6	S6IEARN	S6IEARN:W6 Income:Sp Earnings	Cont
7	S7IEARN	S7IEARN:W7 Income:Sp Earnings	Cont
8	S8IEARN	S8IEARN:W8 Income:Sp Earnings	Cont
9	S9IEARN	S9IEARN:W9 Income:Sp Earnings	Cont
10	S10IEARN	S10IEARN:W10 Income:Sp Earnings	Cont
11	S11IEARN	S11IEARN:W11 Income:Sp Earnings	Cont
12	S12IEARN	S12IEARN:W12 Income:Sp Earnings	Cont
13	S13IEARN	S13IEARN:W13 Income:Sp Earnings	Cont
14	S14IEARN	S14IEARN:W14 Income:Sp Earnings	Cont
15	S15IEARN	S15IEARN:W15 Income:Sp Earnings	Cont
16	S16IEARN	S16IEARN:W16 Income:Sp Earnings	Cont
1	R1IFEARN	R1IFEARN:W1 ImpFlag:R Earnings	Categ
2	R2IFEARN	R2IFEARN:W2 ImpFlag:R Earnings	Categ
3	R3IFEARN	R3IFEARN:W3 ImpFlag:R Earnings	Categ
4	R4IFEARN	R4IFEARN:W4 ImpFlag:R Earnings	Categ
5	R5IFEARN	R5IFEARN:W5 ImpFlag:R Earnings	Categ
6	R6IFEARN	R6IFEARN:W6 ImpFlag:R Earnings	Categ
7	R7IFEARN	R7IFEARN:W7 ImpFlag:R Earnings	Categ
8	R8IFEARN	R8IFEARN:W8 ImpFlag:R Earnings	Categ
9	R9IFEARN	R9IFEARN:W9 ImpFlag:R Earnings	Categ
10	R10IFEARN	R10IFEARN:W10 ImpFlag:R Earnings	Categ
11	R11IFEARN	R11IFEARN:W11 ImpFlag:R Earnings	Categ
12	R12IFEARN	R12IFEARN:W12 ImpFlag:R Earnings	Categ
13	R13IFEARN	R13IFEARN:W13 ImpFlag:R Earnings	Categ
14	R14IFEARN	R14IFEARN:W14 ImpFlag:R Earnings	Categ
15	R15IFEARN	R15IFEARN:W15 ImpFlag:R Earnings	Categ
16	R16IFEARN	R16IFEARN:W16 ImpFlag:R Earnings	Categ
1	S1IFEARN	S1IFEARN:W1 ImpFlag:Sp Earnings	Categ
2	S2IFEARN	S2IFEARN:W2 ImpFlag:Sp Earnings	Categ
3	S3IFEARN	S3IFEARN:W3 ImpFlag:Sp Earnings	Categ
4	S4IFEARN	S4IFEARN:W4 ImpFlag:Sp Earnings	Categ
5	S5IFEARN	S5IFEARN:W5 ImpFlag:Sp Earnings	Categ
6	S6IFEARN	S6IFEARN:W6 ImpFlag:Sp Earnings	Categ
7	S7IFEARN	S7IFEARN:W7 ImpFlag:Sp Earnings	Categ
8	S8IFEARN	S8IFEARN:W8 ImpFlag:Sp Earnings	Categ
9	S9IFEARN	S9IFEARN:W9 ImpFlag:Sp Earnings	Categ
10	S10IFEARN	S10IFEARN:W10 ImpFlag:Sp Earnings	Categ
11	S11IFEARN	S11IFEARN:W11 ImpFlag:Sp Earnings	Categ
12	S12IFEARN	S12IFEARN:W12 ImpFlag:Sp Earnings	Categ
13	S13IFEARN	S13IFEARN:W13 ImpFlag:Sp Earnings	Categ
14	S14IFEARN	S14IFEARN:W14 ImpFlag:Sp Earnings	Categ
15	S15IFEARN	S15IFEARN:W15 ImpFlag:Sp Earnings	Categ

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16    S16IFEARN           S16IFEARN:W16 ImpFlag:Sp Earnings                                Categ
```

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IEARN	12652	19432.71	30440.65	0.0	1250000.0
R2IEARN	19642	11516.76	33474.03	0.0	3000000.0
R3IEARN	17991	10426.72	23695.58	0.0	770000.0
R4IEARN	21384	11499.88	35570.54	0.0	3530000.0
R5IEARN	19578	10993.92	30666.84	0.0	2000000.0
R6IEARN	18165	10707.46	28053.33	0.0	757000.0
R7IEARN	20129	14051.10	37090.57	0.0	2000000.0
R8IEARN	18469	13053.29	57504.45	0.0	6525000.0
R9IEARN	17217	12734.27	35266.44	0.0	1425000.0
R10IEARN	22034	16874.45	38749.45	0.0	1400000.0
R11IEARN	20554	16302.33	39771.48	0.0	1053000.0
R12IEARN	18747	15941.89	40962.81	0.0	1600000.0
R13IEARN	20912	20355.08	47392.51	0.0	1400000.0
R14IEARN	17146	20034.51	59955.83	0.0	3260000.0
R15IEARN	15723	19942.20	54153.04	0.0	2500000.0
R16IEARN	15787	21383.51	52242.33	0.0	1200000.0
S1IEARN	10279	19730.84	28646.68	0.0	600000.0
S2IEARN	13674	13875.14	38268.41	0.0	3000000.0
S3IEARN	12334	12222.63	25734.26	0.0	770000.0
S4IEARN	14516	13606.50	40666.33	0.0	3530000.0
S5IEARN	13041	12988.82	29426.58	0.0	985660.0
S6IEARN	11859	12906.27	31231.50	0.0	757000.0
S7IEARN	13352	17026.23	43014.26	0.0	2000000.0
S8IEARN	12052	15971.85	69316.91	0.0	6525000.0
S9IEARN	11012	15669.72	40605.27	0.0	1425000.0
S10IEARN	14237	19669.42	41799.75	0.0	1400000.0
S11IEARN	13081	19600.12	44862.97	0.0	1053000.0
S12IEARN	11622	19957.60	46345.06	0.0	1000000.0
S13IEARN	12889	24692.57	54464.73	0.0	1610000.0
S14IEARN	10463	25098.56	84768.47	0.0	4800000.0
S15IEARN	9529	24038.32	61221.79	0.0	2500000.0
S16IEARN	9242	26014.72	59503.15	0.0	1200000.0
R1IFEARN	12652	0.88	0.93	0.0	9.0
R2IFEARN	19642	0.56	0.95	0.0	9.0
R3IFEARN	17991	0.48	0.93	0.0	9.0
R4IFEARN	21384	0.52	1.04	0.0	9.0
R5IFEARN	19578	0.46	0.94	0.0	9.0
R6IFEARN	18165	0.41	0.75	0.0	9.0
R7IFEARN	20129	0.48	0.85	0.0	9.0
R8IFEARN	18469	0.43	0.79	0.0	9.0
R9IFEARN	17217	0.41	0.82	0.0	9.0
R10IFEARN	22034	0.61	1.32	0.0	9.0
R11IFEARN	20554	0.50	0.99	0.0	9.0
R12IFEARN	18747	0.49	1.06	0.0	9.0
R13IFEARN	20912	0.62	1.29	0.0	9.0
R14IFEARN	17146	0.63	1.41	0.0	9.0
R15IFEARN	15723	0.67	1.53	0.0	9.0
R16IFEARN	15787	0.66	1.53	0.0	9.0

S1IFEARN	12652	2.23	2.91	0.0	9.0
S2IFEARN	19642	2.89	3.47	0.0	9.0
S3IFEARN	17991	2.88	3.55	0.0	9.0
S4IFEARN	21384	2.97	3.58	0.0	9.0
S5IFEARN	19578	3.02	3.61	0.0	9.0
S6IFEARN	18165	3.08	3.64	0.0	9.0
S7IFEARN	20129	3.06	3.60	0.0	9.0
S8IFEARN	18469	3.10	3.64	0.0	9.0
S9IFEARN	17217	3.19	3.68	0.0	9.0
S10IFEARN	22034	3.28	3.68	0.0	9.0
S11IFEARN	20554	3.27	3.68	0.0	9.0
S12IFEARN	18747	3.40	3.72	0.0	9.0
S13IFEARN	20912	3.52	3.72	0.0	9.0
S14IFEARN	17146	3.58	3.75	0.0	9.0
S15IFEARN	15723	3.63	3.77	0.0	9.0
S16IFEARN	15787	3.78	3.79	0.0	9.0

Categorical Variable Codes

RwIFEARN: ImpFlag:R Earnings

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	3624	11307	11455	13423	12823	12365	12671	12312	11773	13407
1.No imputations	7595	6580	5343	6290	5387	4421	5844	4879	4321	6744
2.Some imputation	1338	1621	1067	1464	1231	1334	1525	1213	1048	1465
9.No Fin resp	95	134	126	207	137	45	89	65	75	418

Value	w11	w12	w13	w14	w15	w16
0.No income	13044	12258	12570	10625	9781	9943
1.No imputations	5998	5172	6447	4987	4386	4264
2.Some imputation	1341	1118	1520	1145	1124	1150
9.No Fin resp	171	199	375	389	432	430

SwIFEARN: ImpFlag:Sp Earnings

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	2924	6895	7295	8456	7983	7588	7816	7513	7031	8057
1.No imputations	6089	5192	4128	4797	4035	3272	4319	3598	3128	4784
2.Some imputation	1171	1483	825	1078	930	963	1140	889	791	1068
8.No Sp/part->no incm	2373	5968	5657	6868	6537	6306	6777	6417	6205	7797
9.No Fin resp	95	104	86	185	93	36	77	52	62	328

Value	w11	w12	w13	w14	w15	w16
0.No income	7723	7055	7078	5991	5550	5420
1.No imputations	4225	3579	4411	3341	2848	2664
2.Some imputation	990	828	1084	802	792	818
8.No Sp/part->no incm	7473	7125	8023	6683	6194	6545
9.No Fin resp	143	160	316	329	339	340

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document. Unless otherwise noted, income variables refer to income received last calendar year.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

For the HRS sample, RwIEARN is the sum of Respondent's wage/salary income, bonuses/overtime pay/commissions/tips, second job or military reserve earnings, and professional practice or trade income. For the AHEAD sample, Wave 2A R2IEARN includes only the income from earnings as asked and does not include specifics regarding bonuses, professional practice income, or second jobs. In Wave 3A, the calculation of R3IEARN includes wages, bonuses, and professional practice income but does not include income from a second job, as it was not asked in this wave. RwIFEARN is a flag that indicates whether any components are imputed, and if so, how much information is available for imputation.

SwIEARN and SwIFEARN are the analogous spouse variables.

The individual components: RwIWAGE, RwIBON, RwI2ND, RwITRAD and their imputation flags (RwIFvar) are available in the RAND HRS Detailed Imputations File.

Cross Wave Differences in Original HRS Data

The components of earnings remain the same across all HRS waves. However, there are fewer specific questions for the AHEAD sample. In Wave 2A, Respondents are only asked about last year's earnings from all jobs combined. The question was asked as follows: "About how much did you earn on all jobs in (1992/1993) before taxes?"

Wave 3A questions cover wages, bonuses, and professional practice income but did not ask about income from a second job.

From Wave 2H forward, if the Respondent refuses or does not know the value of an income component, a series of unfolding bracket questions are asked. The bracket amounts and entry points for some components vary across waves. In Waves 1 and 2A, no unfolding bracket questions are asked.

HRS Variables Used

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HRS 1992:
    V15402          N2A:N4A:91:R1-PAY/SA:IND
    V15403          N3:N5:91-R1-GROSS AM:IND
    V15404          N6:1991:R2-PAY/SAL I:IND
    V15405          N7:1991:R2   AMT REC:IND
    V15406          N2B:N4B:91:R1-BONUS/:IND
    V15407          N3:N5:91-R1-GROSS AM:IND
    V15408          N6:1991:R2-BONUS/TIP:IND
    V15409          N7:1991: R2   AMT RE:IND
    V15410          N2C:N4C:91:R1-PRO IN:IND
    V15411          N3:N5:91-R1-GROSS AM:IND
    V15412          N6:1991:R2-PRO PRACT:IND
    V15413          N7:1991: R2   AMT RE:IND
    V15414          N2D:N4D:91:R1-OTH IN:IND
    V15415          N3:N5:91-R1-GROSS AM:IND
    V15416          N6:1991:R2-OTHER INC:IND
    V15417          N7:1991:R2   AMT REC:IND
    V5402           N2A:N4A:91:R1-PAY/SA:IMP
    V5403           N3:N5:91:R1-GROS $AM:IMP
    V5404           N6:1991:R2-PAY/SAL I:IMP
    V5405           N7:1991:R2-$  AMT RE:IMP
    V5406           N2B:N4B:91:R1-BONUS/:IMP
    V5407           N3:N5:91:R1-GROS $AM:IMP
    V5408           N6:1991:R2-BONUS/TIP:IMP
    V5409           N7:1991:R2-$ AMT REC:IMP
    V5410           N2C:N4C:91:R1-PRO IN:IMP
    V5411           N3:N5:91:R1-GROS $AM:IMP
    V5412           N6:1991:R2-PRO PRACT:IMP
    V5413           N7:1991:R2-$  AMT RE:IMP
    V5414           N2D:N4D:91:R1-OTH IN:IMP
    V5415           N3:N5:91:R1-GROS $AM:IMP
    V5416           N6:1991:R2-OTHER INC:IMP
    V5417           N7:1991:R2-$  AMT RE:IMP
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1175           G1a. WORK LAST 2 YRS?
    B1188           G7. CURR WORK: $ EARNED LAST MONTH
    B1189           G8. CURR WORK: $ EARNED 1992-1993
    B1227           G17. JOB LAST 2 YRS: TOT $ EARN 1992/93
HRS 1994:
    W15912          N3a. Imputation flag
    W15913          N4a1. Imputation flag
    W15918          N3b. Imputation flag
    W15919          N4b1. Imputation flag
    W15924          N3c. Imputation flag
    W15925          N4c1. Imputation flag
    W15930          N3d. Imputation flag
    W15931          N4d1. Imputation flag
    W15936          N5a. Imputation flag
    W15937          N6a1. Imputation flag
    W15942          N7a. Imputation flag
    W15943          N8a1.Imputation flag
    W15948          N5b. Imputation flag
    W15949          N6b1. Imputation flag
    W15954          N7b. Imputation flag
    W15955          N8b1. Imputation flag
    W15960          N5c. Imputation flag
    W15961          N6c1. Imputation flag
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    W15966          N7c. Imputation flag
    W15967          N8c1. Imputation flag
    W15972          N5d. Imputation flag
    W15973          N6d1. Imputation flag
    W15978          N7d. Imputation flag
    W15979          N8d1. Imputation flag
    W5912           N3a.R-WAGE/SALARY FROM J
    W5913           N4a1.R-AMOUNT INCOME 199
    W5914           N4a1. Brackets
    W5918           N3b.R-INCOME FROM PROF P
    W5919           N4b1.R-AMT INCOME FROM P
    W5920           N4b1. Brackets
    W5924           N3c.R-INCOME FROM BONUSE
    W5925           N4c1.R-AMT INCOME FROM B
    W5926           N4c1. Brackets
    W5930           N3d.R-INCOME FROM SECOND
    W5931           N4d1.R-AMT INCOME FROM S
    W5932           N4f1. Brackets
    W5936           N5a.R-WAGE/SALARY FROM J
    W5937           N6a1.R-AMOUNT INCOME 199
    W5938           N6a1. Brackets
    W5942           N7a.SP-WAGE/SALARY FROM
    W5943           N8a1.SP-AMOUNT INCOME 19
    W5944           N8a1. Brackets
    W5948           N5b.R-INCOME FROM PROF P
    W5949           N6b1.R-AMT INCOME FROM P
    W5950           N6b1. Brackets
    W5954           N7b.SP-INCOME FROM PROF
    W5955           N8b1.SP-AMT INCOME FROM
    W5956           N8b1. Brackets
    W5960           N5c.R-INCOME FROM BONUSE
    W5961           N6c1.R-AMT INCOME FROM B
    W5962           N6c1. Brackets
    W5966           N7c.SP-INCOME FROM BONUS
    W5967           N8c1.SP-AMT INCOME FROM
    W5968           N8c1. Brackets
    W5972           N5d.R-INCOME FROM SECOND
    W5973           N6d1.R-AMT INCOME FROM S
    W5974           N6d1. Brackets
    W5978           N7d.SP-INCOME FROM SECON
    W5979           N8d1.SP-AMT INCOME FROM
    W5980           N8d1. Brackets
AHEAD 1995:
    D4534_2         J57A.R EARNINGS SELF EMP
    D4534_3         J57A.R EARNINGS SELF EMP
    D4534_4         J57A.R EARNINGS SELF EMP
    D4536_2         J57B.R $ EARNINGS LCY
    D4536_3         J57B.R $ EARNINGS LCY
    D4536_4         J57B.R $ EARNINGS LCY
    D4537_2         J57B.DK-1
    D4537_3         J57B.DK-1
    D4537_4         J57B.DK-1
    D4538_2         J57C.DK-2
    D4538_3         J57C.DK-2
    D4538_4         J57C.DK-2
    D4539_2         J57D.DK-3
    D4539_3         J57D.DK-3
    D4539_4         J57D.DK-3
    D4547_2         J58A.SP EARNINGS SELF EMP
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    D4547_3         J58A.SP EARNINGS SELF EMP
    D4547_4         J58A.SP EARNINGS SELF EMP
    D4549_2         J58B.SP $ EARNINGS LCY
    D4549_3         J58B.SP $ EARNINGS LCY
    D4549_4         J58B.SP $ EARNINGS LCY
    D4550_2         J58B.DK-1
    D4550_3         J58B.DK-1
    D4550_4         J58B.DK-1
    D4551_2         J58C.DK-2
    D4551_3         J58C.DK-2
    D4551_4         J58C.DK-2
    D4552_2         J58D.DK-3
    D4552_3         J58D.DK-3
    D4552_4         J58D.DK-3
HRS 1996:
    E3882           J7.R WAGES AND SALARY LCYEAR
    E3883           J8.R HOW MUCH WAGES AND SALARY
    E3884           J8A.R $ WAGES AND SALARY DK-25K
    E3885           J8B.R $ WAGES AND SALARY DK-50K
    E3886           J8C.R $ WAGES AND SALARY DK-100K
    E3887           J8D.R $ WAGES AND SALARY DK-5K
    E3889           J9.R PROF PRACTICE OR TRADE LCYEAR
    E3890           J10.R HOW MUCH PROF PRACTICE OR TRADE
    E3891           J10A.R $ PROF PRAC TRADE DK-25K
    E3892           J10B.R $ PROF PRAC TRADE DK-50K
    E3893           J10C.R $ PROF PRAC TRADE DK-100K
    E3894           J10D.R $ PROF PRAC TRADE DK-5K
    E3896           J11.R TIPS, BONUSES, COMMISSION LCYEAR
    E3897           J11A.R HOW MUCH TIPS, BONUSES, COMMISSIO
    E3898           J11B.R TIPS BONUS COMMS LCY DK-5K
    E3899           J11C.R TIPS BONUS COMMS LCY DK-25K
    E3900           J11D.R TIPS BONUS COMMS LCY DK-50K
    E3901           J11E.R TIPS BONUS COMMS LCY DK-2.5K
    E3902           J12.R 2ND JOB
    E3903           J12A.HOW MUCH OTHER INCOME LCY
    E3904           J12B.$ OTHER INCOME LCY DK-5K
    E3905           J12C.$ OTHER INCOME LCY DK-25K
    E3906           J12D.$ OTHER INCOME LCY DK-50K
    E3907           J12E.$ OTHER INCOME LCY DK-2.5K
    E3915           J15.SP WAGES AND SALARY LCYEAR
    E3916           J16.SP HOW MUCH WAGES AND SALARY
    E3917           J16A.SP $ WAGES AND SALARY DK-25K
    E3918           J16B.SP $ WAGES AND SALARY DK-50K
    E3919           J16C.SP $ WAGES AND SALARY DK-100K
    E3920           J16D.SP $ WAGES AND SALARY DK-5K
    E3922           J17.SP PROF PRACTICE OR TRADE LCYEAR
    E3923           J18.SP HOW MUCH PROF PRACTICE OR TRADE
    E3924           J18A.SP $ PROF PRAC OR TRADE DK-25K
    E3925           J18B.SP $ PROF PRAC OR TRADE DK-50K
    E3926           J18C.SP $ PROF PRAC OR TRADE DK-100K
    E3927           J18D.SP $ PROF PRAC OR TRADE DK-5K
    E3929           J19.SP TIPS, BONUSES, COMMISSION LCYEAR
    E3930           J19A.SP HOW MUCH TIPS, BONUSES, COMMISSI
    E3931           J19B.SP TIPS BONUS COMM LC_YR DK-5K
    E3932           J19C.SP TIPS BONUS COMM LC_YR DK-25K
    E3933           J19D.SP TIPS BONUS COMM LC_YR DK-50K
    E3934           J19E.SP TIPS BONUS COMM LC_YR DK-2.5K
    E3935           J20.SP 2ND JOB RECEIVE OTHER INCOME
    E3936           J20A.SP HOW MUCH OTHER INCOME
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    E3937           J20B.SP $ OTHER INCOME DK-20K
    E3938           J20C.SP $ OTHER INCOME DK-50K
    E3939           J20D.SP $ OTHER INCOME DK-100K
    E3940           J20E.SP $ OTHER INCOME DK-5K
HRS 1998:
    F4642           J7.R WAGES AND SALARY LCYEAR
    F4643           J8.R HOW MUCH WAGES AND SALARY
    F4644           J8A.R DK-5K
    F4645           J8A.R DK-25,000
    F4646           J8B.R DK-50,000
    F4647           J8C.R DK-100,000
    F4648           J8B.R DK-25,000
    F4649           J8D.R DK-5,000
    F4651           J9.R PROF PRACTICE OR TRADE LCYEAR
    F4652           J10.R HOW MUCH PROF PRACTICE OR TRADE
    F4653           J10A.R DK-25,000
    F4654           J10B.R DK-50,000
    F4655           J10C.R DK-100,000
    F4656           J10D.R DK-5,000
    F4657           J11.R TIPS, BONUSES, COMMISSION LCYEAR
    F4658           J11A.R HOW MUCH TIPS, BONUSES, COMMISSIO
    F4659           J11B.R DK-5,000
    F4660           J11C.R DK-25,000
    F4661           J11D.R DK-50,000
    F4662           J11E.R DK-2,500
    F4663           J12.R 2ND JOB
    F4664           J12A.HOW MUCH OTHER INCOME LCY
    F4665           J12B.R DK-5,000
    F4666           J12C.R DK-25,000
    F4667           J12D.R DK-50,000
    F4668           J12E.R DK-2,500
    F4675           J15.SP WAGES AND SALARY LCYEAR
    F4676           J16.SP HOW MUCH WAGES AND SALARY
    F4677           J16A.SP DK-25,000
    F4678           J16B.SP DK-50,000
    F4679           J16C.SP DK-100,000
    F4680           J16D.SP DK-5,000
    F4682           J17.SP PROF PRACTICE OR TRADE LCYEAR
    F4683           J18.SP HOW MUCH PROF PRACTICE OR TRADE
    F4684           J18A.SP DK-25,000
    F4685           J18B.SP DK-50,000
    F4686           J18C.SP DK-100,000
    F4687           J18D.SP DK-5,000
    F4689           J19.SP TIPS, BONUSES, COMMISSION LCYEAR
    F4690           J19A.SP HOW MUCH TIPS, BONUSES, COMMISSI
    F4691           J19B.SP DK-5K
    F4692           J19C.SP DK-25K
    F4693           J19D.SP DK-50K
    F4694           J19E.SP DK-2.5K
    F4695           J20.SP 2ND JOB RECEIVE OTHER INCOME
    F4696           J20A.SP HOW MUCH OTHER INCOME
    F4697           J20B.SP DK-20K
    F4698           J20C.SP DK-50K
    F4699           J20D.SP DK-100K
    F4700           J20E.SP DK-5K
HRS 2000:
    G5081           J7.R WAGES AND SALARY LCYEAR
    G5082           J8.R HOW MUCH WAGES AND SALARY
    G5083           J8A.R DK-5K
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G5084	J8Y1A.R DK-25000
G5085	J8B.R DK-50000
G5086	J8C.R DK-100000
G5087	J8Y1B.R DK-25000
G5088	J8D.R DK-5000
G5090	J9.R PROF PRACTICE OR TRADE LCYEAR
G5091	J10.R HOW MUCH PROF PRACTICE OR TRADE
G5092	J10A.R DK-25000
G5093	J10B.R DK-50000
G5094	J10C.R DK-100000
G5095	J10D.R DK-5000
G5096	J11.R RCV TIPS/BONUSES/COMMISSION LCY
G5097	J11A.R AMT TIPS/BONUS/COMMISSION-LCY
G5098	J11B.R DK-5000
G5100	J11D.R DK-50000
G5101	J11E.R DK-2500
G5102	J12.R 2ND JOB
G5103	J12A.HOW MUCH OTHER INCOME LCY
G5104	J12B.R DK-5000
G5105	J12C.R DK-25000
G5106	J12D.R DK-50000
G5107	J12E.R DK-2500
G5114	J15.SP WAGES AND SALARY LCYEAR
G5115	J16.SP HOW MUCH WAGES AND SALARY
G5116	J16A.SP DK-25000
G5117	J16B.SP DK-50000
G5118	J16C.SP DK-100000
G5119	J16D.SP DK-5000
G5121	J17.SP PROF PRACTICE OR TRADE LCYEAR
G5122	J18.SP HOW MUCH PROF PRACTICE OR TRADE
G5123	J18A.SP DK-25000
G5124	J18B.SP DK-50000
G5125	J18C.SP DK-100000
G5126	J18D.SP DK-5000
G5128	J19.SP RCV TIPS/BONUS/COMMISSION LCY
G5129	J19A.SP AMT TIPS/BONUS/COMMISSION LCY
G5130	J19B.SP DK-5K
G5131	J19C.SP DK-25K
G5132	J19D.SP DK-50K
G5133	J19E.SP DK-2500
G5134	J20.SP 2ND JOB RECEIVE OTHER INCOME
G5135	J20A.SP HOW MUCH OTHER INCOME
G5136	J20B.SP DK-5K
G5137	J20C.SP DK-25K
G5138	J20D.SP DK-50K
G5139	J20E.SP DK-2500

HRS 2002-2022:

xQ019	R WAGES AND SALARY INCOME - LCY
xQ020	R AMOUNT FROM WAGES AND SALARY LCY
xQ021	R AMT FROM WAGES AND SALARY - MIN
xQ022	R AMT FROM WAGES AND SALARY - MAX
xQ023	R AMT FROM WAGES AND SALARY - RESULT
xQ024	R INCOME FROM PROF PRAC OR TRADE - LCY
xQ025	R AMOUNT FROM PROF PRAC OR TRADE LCY
xQ026	R AMT FROM PROF PRAC OR TRADE - MIN
xQ027	R AMT FROM PROF PRAC OR TRADE - MAX
xQ028	R AMT FROM PROF PRAC OR TRADE - RESULT
xQ029	R INCOME FROM TIP BONUS COMMISSION - LCY
xQ030	R AMOUNT FROM TIP BONUS COMMISSION LCY

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    xQ031           R AMT FR TIP BONUS COMMISSION - MIN
    xQ032           R AMT FR TIP BONUS COMMISSION - MAX
    xQ033           R AMT FR TIP BONUS COMMISSION - RESULT
    xQ034           R OTHER INCOME FROM WORK 2ND JOB - LCY
    xQ035           R AMOUNT FROM WORK 2ND JOB LCY
    xQ036           R AMT FROM WORK 2ND JOB - MIN
    xQ037           R AMT FROM WORK 2ND JOB - MAX
    xQ038           R AMT FROM WORK 2ND JOB - RESULT
    xQ044           SP WAGES AND SALARY INCOME - LCY
    xQ045           SP AMOUNT FROM WAGES AND SALARY LCY
    xQ046           SP AMT FROM WAGES AND SALARY - MIN
    xQ047           SP AMT FROM WAGES AND SALARY - MAX
    xQ048           SP AMT FROM WAGES AND SALARY - RESULT
    xQ049           SP INCOME FROM PROF PRAC TRADE - LCY
    xQ050           SP AMOUNT FROM PROF PRAC TRADE LCY
    xQ051           SP AMT FROM PROF PRAC TRADE - MIN
    xQ052           SP AMT FROM PROF PRAC TRADE - MAX
    xQ053           SP AMT FROM PROF PRAC TRADE - RESULT
    xQ054           SP INCOME FROM TIP BONUS COMMISS - LCY
    xQ055           SP AMOUNT FR TIP BONUS COMMISS LCY
    xQ056           SP AMT FR TIP BONUS COMMISS - MIN
    xQ057           SP AMT FR TIP BONUS COMMISS - MAX
    xQ058           SP AMT FR TIP BONUS COMMISS - RESULT
    xQ059           SP OTHER INC FROM WORK 2ND JOB - LCY
    xQ060           SP AMOUNT FROM WORK 2ND JOB LCY
    xQ061           SP AMT FROM WORK 2ND JOB - MIN
    xQ062           SP AMT FROM WORK 2ND JOB - MAX
    xQ063           SP AMT FROM WORK 2ND JOB - RESULT
Tracker:
    xFINR               1992-2022 WHETHER FINANCIAL RESPONDENT
```

Household Capital Income

Wave	Variable	Label	Type
1	H1ICAP	H1ICAP:W1 Income:Household Capital Income	Cont
2	H2ICAP	H2ICAP:W2 Income:Household Capital Income	Cont
3	H3ICAP	H3ICAP:W3 Income:Household Capital Income	Cont
4	H4ICAP	H4ICAP:W4 Income:Household Capital Income	Cont
5	H5ICAP	H5ICAP:W5 Income:Household Capital Income	Cont
6	H6ICAP	H6ICAP:W6 Income:Household Capital Income	Cont
7	H7ICAP	H7ICAP:W7 Income:Household Capital Income	Cont
8	H8ICAP	H8ICAP:W8 Income:Household Capital Income	Cont
9	H9ICAP	H9ICAP:W9 Income:Household Capital Income	Cont
10	H10ICAP	H10ICAP:W10 Income:Household Capital Income	Cont
11	H11ICAP	H11ICAP:W11 Income:Household Capital Income	Cont
12	H12ICAP	H12ICAP:W12 Income:Household Capital Income	Cont
13	H13ICAP	H13ICAP:W13 Income:Household Capital Income	Cont
14	H14ICAP	H14ICAP:W14 Income:Household Capital Income	Cont
15	H15ICAP	H15ICAP:W15 Income:Household Capital Income	Cont
16	H16ICAP	H16ICAP:W16 Income:Household Capital Income	Cont
1	H1IFCAP	H1IFCAP:W1 ImpFlag:Household Capital Inc	Categ
2	H2IFCAP	H2IFCAP:W2 ImpFlag:Household Capital Inc	Categ
3	H3IFCAP	H3IFCAP:W3 ImpFlag:Household Capital Inc	Categ
4	H4IFCAP	H4IFCAP:W4 ImpFlag:Household Capital Inc	Categ
5	H5IFCAP	H5IFCAP:W5 ImpFlag:Household Capital Inc	Categ
6	H6IFCAP	H6IFCAP:W6 ImpFlag:Household Capital Inc	Categ
7	H7IFCAP	H7IFCAP:W7 ImpFlag:Household Capital Inc	Categ
8	H8IFCAP	H8IFCAP:W8 ImpFlag:Household Capital Inc	Categ
9	H9IFCAP	H9IFCAP:W9 ImpFlag:Household Capital Inc	Categ
10	H10IFCAP	H10IFCAP:W10 ImpFlag:Household Capital Inc	Categ
11	H11IFCAP	H11IFCAP:W11 ImpFlag:Household Capital Inc	Categ
12	H12IFCAP	H12IFCAP:W12 ImpFlag:Household Capital Inc	Categ
13	H13IFCAP	H13IFCAP:W13 ImpFlag:Household Capital Inc	Categ
14	H14IFCAP	H14IFCAP:W14 ImpFlag:Household Capital Inc	Categ
15	H15IFCAP	H15IFCAP:W15 ImpFlag:Household Capital Inc	Categ
16	H16IFCAP	H16IFCAP:W16 ImpFlag:Household Capital Inc	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ICAP	12652	5489.02	22601.22	0.0	551000.0
H2ICAP	19642	7971.34	43234.02	0.0	3254517.1
H3ICAP	17991	13192.07	54308.13	0.0	2937646.7
H4ICAP	21384	13885.18	90097.35	0.0	7797767.0
H5ICAP	19578	14278.79	55831.39	0.0	3365000.0
H6ICAP	18165	12748.81	72056.97	0.0	7331385.0
H7ICAP	20129	13205.78	60311.26	0.0	3536773.5
H8ICAP	18469	17721.97	279732.89	0.0	25360100.0
H9ICAP	17217	15832.16	64620.25	0.0	3000480.0
H10ICAP	22034	12105.65	55749.86	0.0	3006600.0
H11ICAP	20554	13239.76	69411.46	0.0	3660036.0
H12ICAP	18747	14317.92	107164.99	0.0	9342700.0
H13ICAP	20912	14905.21	126975.31	0.0	10036000.0
H14ICAP	17146	14909.92	81176.50	0.0	3648000.0
H15ICAP	15723	14778.57	72061.52	0.0	3512400.0
H16ICAP	15787	14847.77	74126.85	0.0	4089674.0
H1IFCAP	12652	0.68	1.03	0.0	9.0
H2IFCAP	19642	0.72	1.02	0.0	9.0

H3IFCAP	17991	1.22	1.05	0.0	9.0
H4IFCAP	21384	1.25	1.13	0.0	9.0
H5IFCAP	19578	1.22	1.06	0.0	9.0
H6IFCAP	18165	1.20	0.94	0.0	9.0
H7IFCAP	20129	1.13	1.00	0.0	9.0
H8IFCAP	18469	1.12	0.97	0.0	9.0
H9IFCAP	17217	1.08	1.00	0.0	9.0
H10IFCAP	22034	1.03	1.37	0.0	9.0
H11IFCAP	20554	0.88	1.10	0.0	9.0
H12IFCAP	18747	0.90	1.16	0.0	9.0
H13IFCAP	20912	0.89	1.35	0.0	9.0
H14IFCAP	17146	0.94	1.46	0.0	9.0
H15IFCAP	15723	1.01	1.56	0.0	9.0
H16IFCAP	15787	0.98	1.56	0.0	9.0

Categorical Variable Codes

HwIFCAP: ImpFlag:Household Capital Inc

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	6715	10011	4891	5820	5573	5354	6373	5986	5774	8585
1.No imputations	3995	6094	5182	5848	5083	4059	5401	4796	4738	7142
2.Some imputation	1847	3403	7792	9509	8785	8707	8266	7622	6630	5889
9.No Fin resp	95	134	126	207	137	45	89	65	75	418

Value	w11	w12	w13	w14	w15	w16
0.No income	9019	8034	9718	8019	7055	7381
1.No imputations	6141	5941	6299	4866	4503	4305
2.Some imputation	5223	4573	4520	3872	3733	3671
9.No Fin resp	171	199	375	389	432	430

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document. Unless otherwise noted, income variables refer to income received last calendar year.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

HwICAP is the sum of household capital income received over the last calendar year, including business or farm income, self-employment earnings, gross rent, dividend and interest income, trust funds or royalties, and other asset income. In Waves 1 and 2H, gross rent is calculated from net rent plus rental expenses. HwIFCAP is a flag that indicates whether any components are imputed.

The components vary across waves because the survey questions ask about different components. From Waves 3-6, the components are the same, as is the case from Wave 7 forward. The components summed in each wave are:

H1ICAP sums income from business, rental property, dividend and interest, and trust fund or royalties.

H2ICAP sums income from business; stocks, bonds and other dividends; rental property; savings, CDs and other interest income; investment trusts; self-employment; and other investment income.

H3ICAP sums income from self-employment, business, rental property, stocks and mutual funds, bonds, CDs and treasury bills, checking and savings accounts, other assets, and trust fund or royalties.

H7ICAP contains the same components as those described for H3ICAP, except income from trust funds or royalties was not asked about from Wave 7 forward.

For income from business, there is a question beginning in Wave 3H that asks whether this income was reported earlier in the interview. If yes, the amount from business income is still imputed (or kept if an amount is present) but is NOT included in HwICAP, as it is assumed to be double-reported, usually as self-employment income.

The individual components are: HwIBUSIN, HwIRNTIN, HwITRSIN, HwIDIVIN, HwIBNDIN, HwISTK, HwICHKIN, HwISAV, HwICDIN, HwIOTHIx and RwISEMP and their imputation flags are available in the RAND HRS Detailed Imputations File.

Cross Wave Differences in Original HRS Data

The components of household capital income vary across waves.

Income from self-employment is not asked in Waves 1 and 2A but is added in Wave 2H. In Wave 2H, if the Financial Respondent reported they (Respondent only) were self-employed in the last wave, then they are asked how much they received in 1993. Then the Financial Respondent is asked if they or their spouse has received any other income from privately-held businesses, farms, professional practices, or partnerships owned or shared by the Respondent and spouse. As a result, if the spouse was self-employed last wave or if the Respondent is newly self-employed, they will skip the first question and so their self-employment income will be bundled with the business income.

From Wave 3 forward, self-employment income is reported for the Respondent and spouse separately. In Waves 1 and 2H, one question asks about total interest and dividend income. Beginning in Wave 3, the survey adds separate questions about interest from bonds, CDs or treasury bills, and checking, savings, or money market accounts. Also added in Wave 3 are questions about income from other assets.

Most income from assets questions from Wave 3 forward ask for an amount, how often received, and whether it is the same amount each period. If the same amount is not received each period, then the total amount received last calendar year is asked. If the same amount is received each period, then the amount is multiplied appropriately for the period to arrive at the total per year. Beginning in Wave 3, questions ask about the income from assets immediately following questions on whether the asset is owned. If no asset is owned, then income from the asset is assumed to be $0. In Waves 1 and 2, income from assets questions are asked in a completely different section of the interview.

From Wave 2H forward, with the exception of trust fund income, if the Respondent refuses or does not know the value of an income component, a series of unfolding bracket questions are asked. The bracket amounts for income from business, rental property, and dividends or interest change from Wave 2H to 3. The entry points for some components vary across waves. In Waves 1 and 2A, no unfolding bracket questions are asked.

The income questions in Wave 2A are very different from other waves. Most distinctive are the "regular income" for Respondent and spouse and "other household income." After standard questions about Social Security income, SSI and food stamps, other income is asked about in a general way. If other income is present, Respondents are asked to specify the source of income. In other waves, most income types are asked specifically (e.g., Do you receive income from stocks?).

In Wave 2A, Financial Respondents are asked the following questions about their own income and then are asked about their spouse's income:

a) "Do you receive any (other) regular income payments; for example, from retirement pensions, Veterans Benefits, annuities, payments from an IRA account, or anything like that?"

b) "Please think about the largest (other) regular income you receive. What type of income is that?"

[IWER: PROBE WITH CATEGORIES ONLY IF R NEEDS HELP]

1.VETERANS BENEFITS

2.RETIREMENT OR OTHER PENSIONS

3.ANNUITY

4.IRA DISTRIBUTION

5.STOCKS AND BONDS

7.OTHER

8.DK

9.RF

This set of questions is repeated twice so that Respondents can report up to 3 current other regular incomes. Then they are asked:

a) "Did you receive any other regular income in (last calendar year) that you no longer receive?"

b) "What type of income was that?"

(Same categories as above)

So there are a total of 4 other regular incomes that can be reported. Categories may be specified more than once, and there are up to 3 different instances of an income like pensions or stocks. Besides pensions and annuities, other waves allow only one reported amount for most income categories, so that a Respondent would give a total of all dividend income received.

Financial Respondents are then asked the following questions about their household income:

a) "(Aside from anything you have already told me about,) Do you (or your (husband/wife/partner)) receive any income from financial investments like savings accounts, CDs, stocks and bonds, rental property, or investment trusts?"

b) "What do you receive the largest income from?"

[IWER: PROBE WITH CATEGORIES ONLY IF R NEEDS HELP]

1.SAVINGS ACCOUNTS/CDs/INTEREST

2.STOCKS OR BONDS/DIVIDENDS

3.RENTAL PROPERTY

4.INVESTMENT TRUSTS

5.RELATIVE

7.OTHER

8.DK

9.RF

This set of questions is repeated once so that Respondents can report up to 2 current household investment incomes. Then they are asked:

a) "Did you (or your (husband/wife/partner)) receive any income from savings or investments in (last calendar year) that you no longer receive?"

b) "What did you receive that income from?"

So there are a total of 3 household investment incomes that can be reported. Categories may be specified more than once, and there are up to 2 different instances of an income like savings.

If income is received, subsequent questions serve to identify the date of receipt (was income received in last calendar year?) and amount received. There are no unfolding brackets for income in Wave 2A.

Resulting Wave 2A Household Capital Income components:

Respondent/Spouse or Partner (R/S)

ISTK1-3

Household (H)

ISAV1-2

ISTK1-2

IRNT1-2

ITRS1-2

IOTHI4-5

Please note that Wave 2A IRA distributions are now grouped with IRA withdrawals and are no longer included among household capital income components, as they were in previous versions of this file. See the "IRA Withdrawals" section for more information.

In Wave 6, the introductory question wording for real estate ownership differs from previous waves. Up until Wave 6, the question reads:

"Do you (or your husband/or your wife/or your partner/. . .) have any real estate (other than your main home or second home), such as land, rental real estate, a partnership, or money owed to you on a land contract or mortgage?"

The new question wording is as follows:

"Do you and (your (husband/wife/partner)) have any real estate (other than your main home or second home/other than your main home/other than your second home,) such as land, rental real estate, or money owed to you on a land contract or mortgage? Please do not include business or farm real estate."

From Wave 7 forward, income from trust funds or royalties was not asked about. Therefore, this type of income is not included among the components that are used to derive household capital income.

HRS Variables Used

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HRS 1992:
    V15904          N38A:OTHR INCME:FARM:IND
    V15905          N39A:OTHR INC   AMT :IND
    V15906          N38B:OTHR INCME:RENT:IND
    V15907          N39B:OTHR INCME AMT :IND
    V15908          N40B:OTHER INCME NET:IND
    V15909          N40B:OTHR INCME EXP :IND
    V15910          N38C:OTHR INCME:INTE:IND
    V15911          N39C:OTHR INCME AMT :IND
    V15912          N38D:OTHR INCME:TRST:IND
    V15913          N39D:OTHR INCME AMT :IND
    V5904           N38A:OTHR INCME:FARM:IMP
    V5905           N39A:OTHR INCME:  AM:IMP
    V5906           N38B:OTHR INCME:RENT:IMP
    V5907           N39B:OTHR INCME:  AM:IMP
    V5908           N40B:OTHR INCME:NET :IMP
    V5909           N40Bb:OTHR INCM:  EX:IMP
    V5910           N38C:OTHR INCME:INTE:IMP
    V5911           N39C:OTHR INCME:  AM:IMP
    V5912           N38D:OTHR INCME:TRST:IMP
    V5913           N39D:OTHR INCME:  AM:IMP
AHEAD 1993:
    B1456           J19. R REG INC: RECEIVE ANY
    B1457           J20-1. R REG INC: TYPE-1
    B1458           J21-1. R REG INC: PAID PER MONTH-1
    B1459           J21b-1. R REG INC: $ PERIOD-1
    B1460           J21c-1. R REG INC: $ LAST PERIOD-1
    B1462           J21e-1. R REG INC: START >2YRS AGO-1
    B1463           J21f-1. R REG INC: START MONTH-1
    B1464           J21g-1. R REG INC: START YEAR-1
    B1473           J26-1. R REG INC: ANY OTHER-1
    B1475           J20-2. R REG INC: TYPE-2
    B1476           J21-2. R REG INC: PAID PER MONTH-2
    B1477           J21b-2. R REG INC: $ PERIOD-2
    B1478           J21c-2. R REG INC: $ LAST PERIOD-2
    B1480           J21e-2. R REG INC: START >2YRS AGO-2
    B1481           J21f-2. R REG INC: START MONTH-2
    B1482           J21g-2. R REG INC: START YEAR-2
    B1491           J26-2. R REG INC: ANY OTHER-2
    B1492           J20-3. R REG INC: TYPE-3
    B1493           J21-3. R REG INC: PAID PER MONTH-3
    B1494           J21b-3. R REG INC: $ PERIOD-3
    B1495           J21c-3. R REG INC: $ LAST PERIOD-3
    B1497           J21e-3. R REG INC: START >2YRS AGO-3
    B1498           J21f-3. R REG INC: START MONTH-3
    B1499           J21g-3. R REG INC: START YEAR-3
    B1508           J27. R REG INC: ANY END 1992/3
    B1509           J27a. R REG INC END1992/3: TYPE
    B1510           J28. R REG INC END 1992/3: PAID PER MO
    B1511           J28a. R REG INC END 1992/3: $ PERIOD
    B1512           J28b.R REG INC END1992/3:$ LAST PERIOD
    B1513           J28c. R REG INC END92/3: LAST MO RECD
    B1514           J28d. R REG INC END92/3: LAST YR RECD
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    B1515           J29. SP REG INC: RECEIVE ANY
    B1517           J30-1. SP REG INC: TYPE-1
    B1518           J31-1. SP REG INC: PAID PER MONTH-1
    B1519           J31b-1. SP REG INC: $ PERIOD-1
    B1520           J31c-1. SP REG INC: $ LAST PERIOD-1
    B1522           J31e-1. SP REG INC: START >2YRS AGO-1
    B1523           J31f-1. SP REG INC: START MONTH-1
    B1524           J31g-1. SP REG INC: START YEAR-1
    B1533           J36-1. SP REG INC: ANY OTHER-1
    B1539           J30-2. SP REG INC: TYPE-2
    B1540           J31-2. SP REG INC: PAID PER MONTH-2
    B1541           J31b-2. SP REG INC: $ PERIOD-2
    B1542           J31c-2. SP REG INC: $ LAST PERIOD-2
    B1544           J31e-2. SP REG INC: START >2YRS AGO-2
    B1545           J31f-2. SP REG INC: START MONTH-2
    B1546           J31g-2. SP REG INC: START YEAR-2
    B1555           J36-2. SP REG INC: ANY OTHER-2
    B1560           J30-3. SP REG INC: TYPE-3
    B1561           J31-3. SP REG INC: PAID PER MONTH-3
    B1562           J31b-3. SP REG INC: $ PERIOD-3
    B1563           J31c-3. SP REG INC: $ LAST PERIOD-3
    B1565           J31e-3. SP REG INC: START >2YRS AGO-3
    B1566           J31f-3. SP REG INC: START MONTH-3
    B1567           J31g-3. SP REG INC: START YEAR-3
    B1576           J37. SP REG INC: ANY END 92/93
    B1577           J37a. SP REG INC END 92/93: TYPE
    B1578           J37b. SP REG INC END 92/93: LAST MO RECD
    B1579           J37b. SP REG INC END 92/93: LAST YR RECD
    B1580           J37c. SP REG INC END 92/93: PAID PER MO
    B1581           J37d. SP REG INC END 92/93: $ PERIOD
    B1582           J37e. SP REG INC END 92/93: $ LST PERIOD
    B1583           J40-1. INVEST INC: RECEIVE ANY-1
    B1584           J41-1. INVEST INC: TYPE-1
    B1585           J42-1. INVEST INC: $ PERIOD-1
    B1586           J42a-1. INVEST INC: $ LAST PERIOD-1
    B1587           J42b-1. INVEST INC: TOTAL $ PD 1992/3-1
    B1588           J42c-1. INVEST INC: 1992/3 $ PERIOD-1
    B1589           J40-2. INVEST INC: RECEIVE ANY-2
    B1590           J41-2. INVEST INC: TYPE-2
    B1591           J42-2. INVEST INC: $ PERIOD-2
    B1592           J42a-2. INVEST INC: $ LAST PERIOD-2
    B1593           J42b-2. INVEST INC: TOTAL $ PD 1992/3-2
    B1594           J42c-2. INVEST INC: 1992/3 $ PERIOD-2
    B1595           J43. INVEST INC: ANY END 1992/3
    B1596           J43a. INVEST INC END 1992/3: TYPE
    B1597           J43b. INVES INC END 92/3: LAST MO RECD-1
    B1598           J43c. INVES INC END 92/3: LAST YR RECD-2
    B1599           J43d. INVEST INC END1992/3: $ LAST MO
HRS 1994:
    W15900          N1. Imputation flag
    W15901          N1a. Imputation flag
    W15906          N2. Imputation flag
    W15907          N2a. Imputation flag
    W16287          N28a. Imputation flag
    W16288          N29a1. Imputation flag
    W16295          N28b. Imputation flag
    W16296          N29b1. Imputation flag
    W16301          N28c. Imputation flag
    W16302          N29c1. Imputation flag
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    W5900           N1.SELF-EMPLOYMENT INCOM
    W5901           N1a.AMOUNT SELF-EMPLOYME
    W5902           N1a1. Brackets
    W5906           N2.INCOME FROM BUSINESS/
    W5907           N2a.AMOUNT BUSINESS INCO
    W5908           N2a1. Brackets
    W6287           N28a.RENTAL INCOME IN 19
    W6288           N29a1.AMT RENTAL INCOME
    W6289           N29a1. Brackets
    W6293           N29-x1.BEFORE/AFTER EXPE
    W6294           N29-x2.EXPENSES IN 1993
    W6295           N28b.DIVIDEND/INTEREST I
    W6296           N29b1.AMOUNT DIVIDEND/IN
    W6297           N29b1. Brackets
    W6301           N28c.INCOME FROM TRUST F
    W6302           N29c1.AMT TRUST FUND/ROY
AHEAD 1995:
    D3983           J16.RENTAL INCOME
    D3984           J16A.RENTAL OFTEN PAID
    D3985           J16B.RENTAL RECEIVE $ PERIOD
    D3986           J16BA.RENTAL RECEIVE SAME AMOUNT
    D3987           J16C.RENTAL RECEIVE $ LCYEAR
    D3989           J16E.RENTAL INCOME DK-1
    D3990           J16F.RENTAL INC DK-2
    D3991           J16G.RENTAL INC DK-3
    D3992           J16H.RENTAL INC DK-4
    D4024           J19.BUSINESS INCOME
    D4025           J19A.BUSINESS INC OFTEN PAID
    D4026           J19B.BUSINESS INC RECEIVE $ PERIOD
    D4027           J19C.BUSINESS INC SAME
    D4029           J19D.BUS/FARM INCOME $ LCYEAR
    D4030           J19E.BUSINESS INCOME DK-1
    D4031           J19F.BUSINESS INC DK-2
    D4032           J19G.BUSINESS INC DK-3
    D4033           J19H.BUSINESS INC DK-4
    D4357           J38.STOCKS INCOME
    D4358           J38A.STOCK INC OFTEN
    D4359           J38B.STOCK INCOME $ PERIOD
    D4361           J38D.STOCK INCOME LCY
    D4363           J38E.STOCK INCOME DK-1
    D4364           J38F.STOCK INC DK-2
    D4365           J38G.STOCK INC DK-3
    D4400           J42.BONDS INCOME
    D4401           J42A.BOND INC OFTEN
    D4402           J42B.BOND INCOME $ PERIOD
    D4403           J42C.BOND INCOME SAME
    D4404           J42D.BOND INCOME LCY
    D4406           J42E.BOND INCOME DK-1
    D4407           J42F.BOND INC DK-2
    D4408           J42G.BOND INC DK-3
    D4440           J45.CHECKING, SAVINGS INCOME
    D4441           J45A.CHECKING INC OFTEN
    D4442           J45B.CHECKING INCOME $ PERIOD
    D4443           J45C.CHECKING INCOME SAME
    D4444           J45D.SAVINGS INTEREST LCY
    D4445           J45E.CHECKING, SAVING INCOME DK-1
    D4446           J45F.CHECKING, SAVING INC DK-2
    D4447           J45G.CHECKING, SAVING INC DK-3
    D4482           J49.CDS INCOME
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    D4483           J49A.CD INC OFTEN
    D4484           J49B.CD INCOME $ PERIOD
    D4485           J49C.CD INCOME SAME
    D4486           J49D.CD INCOME LCY
    D4488           J49E.CD INCOME DK-1
    D4489           J49F.CD INC DK-2
    D4490           J49G.CD INC DK-3
    D4517           J54.OTHER ASSETS INCOME
    D4518           J55.OTHER ASSETS INCOME $
    D4519           J55A.J55-DK 1
    D4520           J55B.J55-DK 2
    D4521           J55C.J55 DK-3
    D4522           J55D.J55-DK 4
    D4523           J55E.J55 DK-5
    D4524           J55F.J55-DK 6
    D4534_1         J57A.R EARNINGS SELF EMP
    D4536_1         J57B.R $ EARNINGS LCY
    D4537_1         J57B.DK-1
    D4538_1         J57C.DK-2
    D4539_1         J57D.DK-3
    D4540_1         J57E.REPORT PREVIOUS
    D4547_1         J58A.SP EARNINGS SELF EMP
    D4549_1         J58B.SP $ EARNINGS LCY
    D4550_1         J58B.DK-1
    D4551_1         J58C.DK-2
    D4552_1         J58D.DK-3
    D4562           J60.TRUST FUND INCOME
    D4563           J60A. TRUST FUNDS $ 1994
HRS 1996:
    E3871           J1.R OR SP WORK FOR PAY LCYEAR
    E3875           J5.R SELF-EMPLOYMENT LCYEAR
    E3876           J6. R SELF-EMPLOYMENT INCOME AMOUNT
    E3877           J6A.R $ SELF-EMPLOYMENT DK-10K
    E3878           J6B.R $ SELF-EMPLOYMENT DK-25K
    E3879           J6C.R $ SELF-EMPLOYMENT DK-100K
    E3880           J6D.R $ SELF-EMPLOYMENT DK-5K
    E3908           J13.SP SELF-EMPLOYMENT LCYEAR
    E3909           J14.SP HOW MUCH SELF-EMPLOYMENT
    E3910           J14A.SP $ SELF-EMPLOYMENT DK-10K
    E3911           J14B.SP $ SELF-EMPLOYMENT DK-25K
    E3912           J14C.SP $ SELF-EMPLOYMENT DK-100K
    E3913           J14D.SP $ SELF-EMPLOYMENT DK-5K
    E4070           J76.REAL ESTATE
    E4085           J78.RENTAL INCOME
    E4086           J79.RENTAL OFTEN PAID
    E4087           J80.RENTAL RECEIVE $ PERIOD
    E4088           J81.RENTAL RECEIVE SAME AMOUNT
    E4089           J82.RENTAL RECEIVE $ LCYEAR
    E4091           J82A.RENTAL RECEIVE $ LC_YR DK-50K
    E4092           J82B.RENTAL RECEIVE $ LC_YR DK-75K
    E4093           J82C.RENTAL RECEIVE $ LC_YR DK-25K
    E4096           J83.OWN BUSINESS OR FARM
    E4112           J85.BUSINESS INCOME
    E4113           J86.BUSINESS INC OFTEN PAID
    E4114           J87.BUSINESS INC RECEIVE $ PERIOD
    E4115           J88.BUSINESS INC SAME
    E4117           J89.BUS/FARM INCOME $ LCYEAR
    E4118           J89A.BUS/FARM INCOME $ LC_YR DK-20K
    E4119           J89B.BUS/FARM INCOME $ LC_YR DK-50K
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    E4120           J89C.BUS/FARM INCOME $ LC_YR DK-5K
    E4121           J89D.BUS/FARM INCOME $ LC_YR DK-2K
    E4122           J89E.BUSINESS TELL EARLIER
    E4339           J207.STOCK ASSETS
    E4358           J209.STOCKS INCOME
    E4359           J210.STOCK INC OFTEN
    E4360           J211.STOCK INC RECEIVE $ PERIOD
    E4361           J212.STOCK INC SAME
    E4362           J213.STOCK INCOME $ LCYEAR
    E4364           J213A.STOCK INCOME $ LC_YR DK-5K
    E4365           J213B.STOCK INCOME $ LC_YR DK-2
    E4366           J213C.STOCK INCOME $ LC_YR DK-1K
    E4382           J215.BOND ASSETS
    E4401           J217.BONDS INCOME
    E4402           J218.BONDS INC OFTEN PAID
    E4403           J219.BONDS INC RECEIVE $ PERIOD
    E4404           J220.BONDS INC SAME
    E4405           J221.BOND INCOME $ LCYEAR
    E4407           J221A.BOND INCOME $ LC_YR DK-5K
    E4408           J221B.BOND INCOME $ LC_YR DK-20K
    E4409           J221C.BOND INCOME $ LC_YR DK-1K
    E4425           J222.CHECKING,SAVING ASSETS
    E4441           J224.CHECKING, SAVINGS INCOME
    E4442           J225.CHECKING INC OFTEN
    E4443           J226.CHECKING INC RECEIVE $ PERIOD
    E4444           J227.CHECKING INC SAME
    E4445           J228.CHECKING INCOME $ LCYEAR
    E4446           J228A.CHKNG INCOME $ LC_YR DK-2
    E4447           J228B.CHKNG INCOME $ LC_YR DK-5K
    E4448           J228C.CHKNG INCOME $ LC_YR DK-1K
    E4464           J229.CD,TBILL ASSETS
    E4483           J232.CDS INCOME
    E4484           J233.CD INC OFTEN
    E4485           J234.CD INC RECEIVE $ PERIOD
    E4486           J235.CD INC SAME
    E4487           J236.CD INCOME $ LCYEAR
    E4489           J236A.CD INCOME $ LC_YR DK-2K
    E4490           J236B.CD INCOME $ LC_YR DK-5K
    E4491           J236C.CD INCOME $ LC_YR DK-1K
    E4513           J239.OTHER ASSETS
    E4515           J240A.OTHER ASSETS DK-50K
    E4519           J242.OTHER ASSETS INCOME $
    E4520           J242A.OTHER ASSETS INCOME $ DK-5K
    E4521           J242B.OTHER ASSETS INCOME $ DK-25K
    E4522           J242C.OTHER ASSETS INCOME $ DK-1K
    E4563           J244.TRUST FUND INCOME LCY
    E4564           J245.TRUST FUNDS $LCY
HRS 1998:
    F4633           J5.R SELF-EMPLOYMENT LCYEAR
    F4634           J6.R HOW MUCH SELF-EMPLOYMENT
    F4635           J6A.R DK-5K
    F4636           J6A.R DK-10,000
    F4637           J6B.R DK-25,000
    F4638           J6C.R DK-100,000
    F4639           J6B.R DK-10,000
    F4640           J6D.R DK-5,000
    F4669           J13.SP SELF-EMPLOYMENT LCYEAR
    F4670           J14.SP HOW MUCH SELF-EMPLOYMENT
    F4671           J14A.SP DK-10,000
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F4672           J14B.SP DK-25,000
F4673           J14C.SP DK-100,000
F4674           J14D.SP DK-5,000
F4830           J76.REAL ESTATE
F4845           J78.RENTAL INCOME
F4846           J79.RENTAL OFTEN PAID
F4847           J80.RENTAL RECEIVE $ PERIOD
F4848           J81.RENTAL RECEIVE SAME AMOUNT
F4849           J82.RENTAL RECEIVE $ LCYEAR
F4851           J82A.RENTAL INCOME DK-50,000
F4852           J82B.RENTAL INC DK-75,000
F4853           J82C.RENTAL INC DK-25,000
F4856           J83.BUSINESS
F4872           J85.BUSINESS INCOME
F4873           J86.BUSINESS INC OFTEN PAID
F4874           J87.BUSINESS INC RECEIVE $ PERIOD
F4875           J88.BUSINESS INC SAME
F4877           J89.BUS/FARM INCOME $ LCYEAR
F4878           J89A.BUSINESS INCOME DK-20,000
F4879           J89B.BUSINESS INC DK-50,000
F4880           J89C.BUSINESS INC DK-5,000
F4881           J89D.BUSINESS INC DK-2,000
F4882           J89E.BUSINESS TELL EARLIER
F5099           J207.STOCK ASSETS
F5118           J209.STOCKS INCOME
F5119           J210.STOCK INC OFTEN
F5120           J211.STOCK INC RECEIVE $ PERIOD
F5121           J212.STOCK INC SAME
F5122           J213.STOCK INCOME $ LCYEAR
F5124           J213A.STOCK INCOME DK-5K
F5125           J213B.STOCK INC DK-25K
F5126           J213C.STOCK INC DK-1K
F5142           J215.BOND ASSETS
F5161           J217.BONDS INCOME
F5162           J218.BONDS INC OFTEN PAID
F5163           J219.BONDS INC RECEIVE $ PERIOD
F5164           J220.BONDS INC SAME
F5165           J221.BOND INCOME $ LCYEAR
F5167           J221A.BOND INCOME DK-5K
F5168           J221B.BOND INC DK-20K
F5169           J221C.BOND INC DK-1K
F5185           J222.CHECKING, SAVING ASSETS
F5201           J224.CHECKING, SAVINGS INCOME
F5202           J225.CHECKING INC OFTEN
F5203           J226.CHECKING INC RECEIVE $ PERIOD
F5204           J227.CHECKING INC SAME
F5205           J228.CHECKING INCOME $ LCYEAR
F5206           J228A.CHECKING, SAVING INCOME DK-2
F5207           J228B.CHECKING, SAVING INC DK-5K
F5208           J228C.CHECKING, SAVING INC DK-1K
F5224           J229.CD,TBILL ASSETS
F5243           J232.CDS INCOME
F5244           J233.CD INC OFTEN
F5245           J234.CD INC RECEIVE $ PERIOD
F5246           J235.CD INC SAME
F5247           J236.CD INCOME $ LCYEAR
F5249           J236A.CD INCOME DK-2K
F5250           J236B.CD INC DK-5K
F5251           J236C.CD INC DK-1K
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    F5273           J239.OTHER ASSETS
    F5282           J241.OTHER ASSETS INCOME
    F5283           J242.OTHER ASSETS INCOME $
    F5284           J242A.DK-5K
    F5285           J242B.DK-25K
    F5286           J242C.DK-1K
    F5323           J244.TRUST FUND INCOME LCY
    F5324           J245.TRUST FUNDS $LCY
HRS 2000:
    G5072           J5.R SELF-EMPLOYMENT LCYEAR
    G5073           J6.R HOW MUCH SELF-EMPLOYMENT
    G5074           J6A.R DK-5K
    G5075           J6Y1A.R DK-10000
    G5076           J6B.R DK-25000
    G5077           J6C.R DK-100000
    G5078           J6Y1B.R DK-10000
    G5079           J6D.R DK-5000
    G5108           J13.SP SELF-EMPLOYMENT LCYEAR
    G5109           J14.SP HOW MUCH SELF-EMPLOYMENT
    G5110           J14A.SP DK-10000
    G5111           J14B.SP DK-25000
    G5112           J14C.SP DK-100000
    G5113           J14D.SP DK-5000
    G5275           J76.REAL ESTATE
    G5290           J78.RENTAL INCOME
    G5291           J79.RENTAL OFTEN PAID
    G5292           J80.RENTAL RECEIVE $ PERIOD
    G5293           J81.RENTAL RECEIVE SAME AMOUNT
    G5294           J82.RENTAL RECEIVE $ LCYEAR
    G5296           J82A.RENTAL INCOME DK-50000
    G5297           J82B.RENTAL INC DK-75000
    G5298           J82C.RENTAL INC DK-25000
    G5301           J83.BUSINESS
    G5317           J85.BUSINESS INCOME
    G5318           J86.BUSINESS INC OFTEN PAID
    G5319           J87.BUSINESS INC RECEIVE $ PERIOD
    G5320           J88.BUSINESS INC SAME
    G5322           J89.BUS/FARM INCOME $ LCYEAR
    G5323           J89A.BUSINESS INCOME DK-20000
    G5324           J89B.BUSINESS INC DK-50000
    G5325           J89C.BUSINESS INC DK-5000
    G5326           J89D.BUSINESS INC DK-2000
    G5327           J89E.BUSINESS TELL EARLIER
    G5554           J207.STOCK ASSETS
    G5568           J209.STOCKS INCOME
    G5569           J210.STOCK INC OFTEN
    G5570           J211.STOCK INC RECEIVE $ PERIOD
    G5571           J212.STOCK INC SAME
    G5572           J213.STOCK INCOME $ LCYEAR
    G5574           J213A.STOCK INCOME DK-5K
    G5575           J213B.STOCK INC DK-25K
    G5576           J213C.STOCK INC DK-1K
    G5587           J215.BOND ASSETS
    G5602           J217.BONDS INCOME
    G5603           J218.BONDS INC OFTEN PAID
    G5604           J219.BONDS INC RECEIVE $ PERIOD
    G5605           J220.BONDS INC SAME
    G5606           J221.BOND INCOME $ LCYEAR
    G5608           J221A. BOND INCOME DK-5K
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    G5609           J221B.BOND INC DK-20K
    G5610           J221C.BOND INC DK-1K
    G5620           J222.CHECKING-SAVING ASSETS
    G5636           J224.CHECKING-SAVINGS INCOME
    G5637           J225.CHECKING INC OFTEN
    G5638           J226.CHECKING INC RECEIVE $ PERIOD
    G5639           J227.CHECKING INC SAME
    G5640           J228.CHECKING INCOME $ LCYEAR
    G5641           J228A.CHECKING-SAVING INCOME DK-2K
    G5642           J228B.CHECKING-SAVING INC DK-5K
    G5643           J228C.CHECKING-SAVING INC DK-1K
    G5650           J229.CD-TBILL ASSETS
    G5664           J232.CDS INCOME
    G5665           J233.CD INC OFTEN
    G5666           J234.CD INC RECEIVE $ PERIOD
    G5667           J235.CD INC SAME
    G5668           J236.CD INCOME $ LCYEAR
    G5670           J236A.CD INCOME DK-2K
    G5671           J236B.CD INC DK-5K
    G5672           J236C.CD INC DK-1K
    G5694           J239.OTHER ASSETS
    G5703           J241.OTHER ASSETS INCOME
    G5704           J242.OTHER ASSETS INCOME $
    G5705           J242A.DK-5K
    G5706           J242B.DK-25K
    G5707           J242C.DK-1K
    G5717           J244.TRUST FUND INCOME LCY
    G5718           J245.TRUST FUNDS AMT RCV-LCY
HRS 2002:
    HQ385           TRUST OR ROYALTIES INCOME
    HQ386           TRUSTS INCOME AMOUNT - LCY
    HQ387           TRUSTS INCOME AMOUNT - MIN
    HQ388           TRUSTS INCOME AMOUNT - MAX
    HQ389           TRUSTS INCOME AMOUNT - RESULT
HRS 2002-2022:
    xQ014           R INCOME FROM WORK SELF EMPL - LCY
    xQ015           R AMOUNT FROM WORK SELF EMPL LCY
    xQ016           R INCOME FROM SELF EMPLOYMENT - MIN
    xQ017           R INCOME FROM SELF EMPLOYMENT - MAX
    xQ018           R INCOME FROM SELF EMPLOYMENT - RESULT
    xQ039           SP INCOME FROM SELF EMPLOYMENT - LCY
    xQ040           SP AMOUNT FROM SELF EMPL INCOME LCY
    xQ041           SP INC FROM SELF EMPL INC - MIN
    xQ042           SP INC FROM SELF EMPL INC - MAX
    xQ043           SP INC FROM SELF EMPL INC - RESULT
    xQ133           REAL ESTATE ASSET
    xQ138           RENTAL INCOME FROM THIS PROPERTY
    xQ139           RENTAL INCOME RECEIVE HOW OFTEN
    xQ141           RENTAL INCOME AMOUNT LAST PERIOD
    xQ142           RENTAL INC SAME AMOUNT PER PERIOD
    xQ143           RENTAL INCOME AMOUNT - LCY
    xQ144           RENTAL INCOME AMT - MIN
    xQ145           RENTAL INCOME AMT - MAX
    xQ146           RENTAL INCOME AMT - RESULT
    xQ147           BUSINESS OR FARM ASSETS
    xQ152           BUSINESS OR FARM INCOME
    xQ153           BUSINESS OR FARM INC RECEIVE HOW OFTEN
    xQ155           BUSINESS OR FARM INC AMT LAST PERIOD
    xQ156           BUSINESS OR FARM INC SAME AMT PER PERIOD
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xQ157	BUSINESS OR FARM INC - LCY
xQ158	BUSINESS OR FARM INC - MIN
xQ159	BUSINESS OR FARM INC - MAX
xQ160	BUSINESS OR FARM INC - RESULT
xQ161	BUSINESS INC REPORTED EARLIER IN IW
xQ316	STOCK AND STOCK MUTUAL FUNDS
xQ321	STOCK INCOME
xQ322	STOCK INCOME HOW OFTEN
xQ324	STOCK INCOME AMOUNT LAST PERIOD
xQ325	STOCK INCOME AMOUNT SAME PER PERIOD
xQ326	STOCK INCOME AMOUNT - LCY
xQ327	STOCK INCOME AMOUNT - MIN
xQ328	STOCK INCOME AMOUNT - MAX
xQ329	STOCK INCOME AMOUNT - RESULT
xQ330	BOND ASSETS
xQ335	BOND ASSET INTEREST INCOME
xQ336	BOND INCOME HOW OFTEN
xQ338	BOND INCOME AMOUNT LAST PERIOD
xQ339	BOND INCOME AMOUNT SAME PER PERIOD
xQ340	BOND INCOME AMOUNT - LCY
xQ341	BOND INCOME AMOUNT - MIN
xQ342	BOND INCOME AMOUNT - MAX
xQ343	BOND INCOME AMOUNT - RESULT
xQ344	CHECKING SAVINGS MARKET FUNDS
xQ349	CHECKING INTEREST INCOME
xQ350	CHECKING INCOME HOW OFTEN
xQ352	CHECKING INCOME LAST PERIOD
xQ353	CHECKING INCOME PER PERIOD
xQ354	CHECKING INCOME AMOUNT - LCY
xQ356	CDS GOVT SAVINGS TBILLS
xQ361	CDS INTEREST INCOME
xQ362	CDS INCOME HOW OFTEN
xQ364	CDS INCOME LAST PERIOD
xQ365	CDS INCOME SAME PER PERIOD
xQ366	CDS INCOME AMOUNT - LCY
xQ367	CDS INCOME AMOUNT - MIN
xQ368	CDS INCOME AMOUNT - MAX
xQ369	CDS INCOME AMOUNT - RESULT
xQ375	OTHER ASSETS
xQ380	OTHER ASSET INCOME
xQ381	OTHER ASSET INCOME AMOUNT
xQ382	OTHER ASSET INCOME - MIN
xQ383	OTHER ASSET INCOME - MAX
xQ384	OTHER ASSET INCOME - RESULT
xQ494	CHECKING INCOME - MIN
xQ495	CHECKING INCOME - MAX
xQ496	CHECKING INCOME - RESULT

Individual Income from Employer Pension or Annuity

Wave	Variable	Label	Type
1	R1IPENA	R1IPENA:W1 Income:R Pension + Annuity	Cont
2	R2IPENA	R2IPENA:W2 Income:R Pension + Annuity	Cont
3	R3IPENA	R3IPENA:W3 Income:R Pension + Annuity	Cont
4	R4IPENA	R4IPENA:W4 Income:R Pension + Annuity	Cont
5	R5IPENA	R5IPENA:W5 Income:R Pension + Annuity	Cont
6	R6IPENA	R6IPENA:W6 Income:R Pension + Annuity	Cont
7	R7IPENA	R7IPENA:W7 Income:R Pension + Annuity	Cont
8	R8IPENA	R8IPENA:W8 Income:R Pension + Annuity	Cont
9	R9IPENA	R9IPENA:W9 Income:R Pension + Annuity	Cont
10	R10IPENA	R10IPENA:W10 Income:R Pension + Annuity	Cont
11	R11IPENA	R11IPENA:W11 Income:R Pension + Annuity	Cont
12	R12IPENA	R12IPENA:W12 Income:R Pension + Annuity	Cont
13	R13IPENA	R13IPENA:W13 Income:R Pension + Annuity	Cont
14	R14IPENA	R14IPENA:W14 Income:R Pension + Annuity	Cont
15	R15IPENA	R15IPENA:W15 Income:R Pension + Annuity	Cont
16	R16IPENA	R16IPENA:W16 Income:R Pension + Annuity	Cont
1	S1IPENA	S1IPENA:W1 Income:Sp Pension + Annuity	Cont
2	S2IPENA	S2IPENA:W2 Income:Sp Pension + Annuity	Cont
3	S3IPENA	S3IPENA:W3 Income:Sp Pension + Annuity	Cont
4	S4IPENA	S4IPENA:W4 Income:Sp Pension + Annuity	Cont
5	S5IPENA	S5IPENA:W5 Income:Sp Pension + Annuity	Cont
6	S6IPENA	S6IPENA:W6 Income:Sp Pension + Annuity	Cont
7	S7IPENA	S7IPENA:W7 Income:Sp Pension + Annuity	Cont
8	S8IPENA	S8IPENA:W8 Income:Sp Pension + Annuity	Cont
9	S9IPENA	S9IPENA:W9 Income:Sp Pension + Annuity	Cont
10	S10IPENA	S10IPENA:W10 Income:Sp Pension + Annuity	Cont
11	S11IPENA	S11IPENA:W11 Income:Sp Pension + Annuity	Cont
12	S12IPENA	S12IPENA:W12 Income:Sp Pension + Annuity	Cont
13	S13IPENA	S13IPENA:W13 Income:Sp Pension + Annuity	Cont
14	S14IPENA	S14IPENA:W14 Income:Sp Pension + Annuity	Cont
15	S15IPENA	S15IPENA:W15 Income:Sp Pension + Annuity	Cont
16	S16IPENA	S16IPENA:W16 Income:Sp Pension + Annuity	Cont
1	R1IFPENA	R1IFPENA:W1 ImpFlag:R Pension + Annuity	Categ
2	R2IFPENA	R2IFPENA:W2 ImpFlag:R Pension + Annuity	Categ
3	R3IFPENA	R3IFPENA:W3 ImpFlag:R Pension + Annuity	Categ
4	R4IFPENA	R4IFPENA:W4 ImpFlag:R Pension + Annuity	Categ
5	R5IFPENA	R5IFPENA:W5 ImpFlag:R Pension + Annuity	Categ
6	R6IFPENA	R6IFPENA:W6 ImpFlag:R Pension + Annuity	Categ
7	R7IFPENA	R7IFPENA:W7 ImpFlag:R Pension + Annuity	Categ
8	R8IFPENA	R8IFPENA:W8 ImpFlag:R Pension + Annuity	Categ
9	R9IFPENA	R9IFPENA:W9 ImpFlag:R Pension + Annuity	Categ
10	R10IFPENA	R10IFPENA:W10 ImpFlag:R Pension + Annuity	Categ
11	R11IFPENA	R11IFPENA:W11 ImpFlag:R Pension + Annuity	Categ
12	R12IFPENA	R12IFPENA:W12 ImpFlag:R Pension + Annuity	Categ
13	R13IFPENA	R13IFPENA:W13 ImpFlag:R Pension + Annuity	Categ
14	R14IFPENA	R14IFPENA:W14 ImpFlag:R Pension + Annuity	Categ
15	R15IFPENA	R15IFPENA:W15 ImpFlag:R Pension + Annuity	Categ
16	R16IFPENA	R16IFPENA:W16 ImpFlag:R Pension + Annuity	Categ
1	S1IFPENA	S1IFPENA:W1 ImpFlag:Sp Pension + Annuity	Categ
2	S2IFPENA	S2IFPENA:W2 ImpFlag:Sp Pension + Annuity	Categ
3	S3IFPENA	S3IFPENA:W3 ImpFlag:Sp Pension + Annuity	Categ
4	S4IFPENA	S4IFPENA:W4 ImpFlag:Sp Pension + Annuity	Categ
5	S5IFPENA	S5IFPENA:W5 ImpFlag:Sp Pension + Annuity	Categ
6	S6IFPENA	S6IFPENA:W6 ImpFlag:Sp Pension + Annuity	Categ
7	S7IFPENA	S7IFPENA:W7 ImpFlag:Sp Pension + Annuity	Categ
8	S8IFPENA	S8IFPENA:W8 ImpFlag:Sp Pension + Annuity	Categ
9	S9IFPENA	S9IFPENA:W9 ImpFlag:Sp Pension + Annuity	Categ
10	S10IFPENA	S10IFPENA:W10 ImpFlag:Sp Pension + Annuity	Categ
11	S11IFPENA	S11IFPENA:W11 ImpFlag:Sp Pension + Annuity	Categ
12	S12IFPENA	S12IFPENA:W12 ImpFlag:Sp Pension + Annuity	Categ
13	S13IFPENA	S13IFPENA:W13 ImpFlag:Sp Pension + Annuity	Categ
14	S14IFPENA	S14IFPENA:W14 ImpFlag:Sp Pension + Annuity	Categ
15	S15IFPENA	S15IFPENA:W15 ImpFlag:Sp Pension + Annuity	Categ

16	S16IFPENA	S16IFPENA:W16 ImpFlag:Sp Pension + Annuity	Categ
1	R1IPEN	R1IPEN:W1 Income:R Pension	Cont
2	R2IPEN	R2IPEN:W2 Income:R Pension	Cont
3	R3IPEN	R3IPEN:W3 Income:R Pension	Cont
4	R4IPEN	R4IPEN:W4 Income:R Pension	Cont
5	R5IPEN	R5IPEN:W5 Income:R Pension	Cont
6	R6IPEN	R6IPEN:W6 Income:R Pension	Cont
7	R7IPEN	R7IPEN:W7 Income:R Pension	Cont
8	R8IPEN	R8IPEN:W8 Income:R Pension	Cont
9	R9IPEN	R9IPEN:W9 Income:R Pension	Cont
10	R10IPEN	R10IPEN:W10 Income:R Pension	Cont
11	R11IPEN	R11IPEN:W11 Income:R Pension	Cont
12	R12IPEN	R12IPEN:W12 Income:R Pension	Cont
13	R13IPEN	R13IPEN:W13 Income:R Pension	Cont
14	R14IPEN	R14IPEN:W14 Income:R Pension	Cont
15	R15IPEN	R15IPEN:W15 Income:R Pension	Cont
16	R16IPEN	R16IPEN:W16 Income:R Pension	Cont
1	S1IPEN	S1IPEN:W1 Income:Sp Pension	Cont
2	S2IPEN	S2IPEN:W2 Income:Sp Pension	Cont
3	S3IPEN	S3IPEN:W3 Income:Sp Pension	Cont
4	S4IPEN	S4IPEN:W4 Income:Sp Pension	Cont
5	S5IPEN	S5IPEN:W5 Income:Sp Pension	Cont
6	S6IPEN	S6IPEN:W6 Income:Sp Pension	Cont
7	S7IPEN	S7IPEN:W7 Income:Sp Pension	Cont
8	S8IPEN	S8IPEN:W8 Income:Sp Pension	Cont
9	S9IPEN	S9IPEN:W9 Income:Sp Pension	Cont
10	S10IPEN	S10IPEN:W10 Income:Sp Pension	Cont
11	S11IPEN	S11IPEN:W11 Income:Sp Pension	Cont
12	S12IPEN	S12IPEN:W12 Income:Sp Pension	Cont
13	S13IPEN	S13IPEN:W13 Income:Sp Pension	Cont
14	S14IPEN	S14IPEN:W14 Income:Sp Pension	Cont
15	S15IPEN	S15IPEN:W15 Income:Sp Pension	Cont
16	S16IPEN	S16IPEN:W16 Income:Sp Pension	Cont
1	R1IFPEN	R1IFPEN:W1 ImpFlag:R Pension	Categ
2	R2IFPEN	R2IFPEN:W2 ImpFlag:R Pension	Categ
3	R3IFPEN	R3IFPEN:W3 ImpFlag:R Pension	Categ
4	R4IFPEN	R4IFPEN:W4 ImpFlag:R Pension	Categ
5	R5IFPEN	R5IFPEN:W5 ImpFlag:R Pension	Categ
6	R6IFPEN	R6IFPEN:W6 ImpFlag:R Pension	Categ
7	R7IFPEN	R7IFPEN:W7 ImpFlag:R Pension	Categ
8	R8IFPEN	R8IFPEN:W8 ImpFlag:R Pension	Categ
9	R9IFPEN	R9IFPEN:W9 ImpFlag:R Pension	Categ
10	R10IFPEN	R10IFPEN:W10 ImpFlag:R Pension	Categ
11	R11IFPEN	R11IFPEN:W11 ImpFlag:R Pension	Categ
12	R12IFPEN	R12IFPEN:W12 ImpFlag:R Pension	Categ
13	R13IFPEN	R13IFPEN:W13 ImpFlag:R Pension	Categ
14	R14IFPEN	R14IFPEN:W14 ImpFlag:R Pension	Categ
15	R15IFPEN	R15IFPEN:W15 ImpFlag:R Pension	Categ
16	R16IFPEN	R16IFPEN:W16 ImpFlag:R Pension	Categ
1	S1IFPEN	S1IFPEN:W1 ImpFlag:Sp Pension	Categ
2	S2IFPEN	S2IFPEN:W2 ImpFlag:Sp Pension	Categ
3	S3IFPEN	S3IFPEN:W3 ImpFlag:Sp Pension	Categ
4	S4IFPEN	S4IFPEN:W4 ImpFlag:Sp Pension	Categ
5	S5IFPEN	S5IFPEN:W5 ImpFlag:Sp Pension	Categ
6	S6IFPEN	S6IFPEN:W6 ImpFlag:Sp Pension	Categ
7	S7IFPEN	S7IFPEN:W7 ImpFlag:Sp Pension	Categ
8	S8IFPEN	S8IFPEN:W8 ImpFlag:Sp Pension	Categ
9	S9IFPEN	S9IFPEN:W9 ImpFlag:Sp Pension	Categ
10	S10IFPEN	S10IFPEN:W10 ImpFlag:Sp Pension	Categ
11	S11IFPEN	S11IFPEN:W11 ImpFlag:Sp Pension	Categ
12	S12IFPEN	S12IFPEN:W12 ImpFlag:Sp Pension	Categ
13	S13IFPEN	S13IFPEN:W13 ImpFlag:Sp Pension	Categ
14	S14IFPEN	S14IFPEN:W14 ImpFlag:Sp Pension	Categ
15	S15IFPEN	S15IFPEN:W15 ImpFlag:Sp Pension	Categ
16	S16IFPEN	S16IFPEN:W16 ImpFlag:Sp Pension	Categ
1	R1IANN	R1IANN:W1 Income:R Annuity	Cont
2	R2IANN	R2IANN:W2 Income:R Annuity	Cont

3	R3IANN	R3IANN:W3 Income:R Annuity	Cont
4	R4IANN	R4IANN:W4 Income:R Annuity	Cont
5	R5IANN	R5IANN:W5 Income:R Annuity	Cont
6	R6IANN	R6IANN:W6 Income:R Annuity	Cont
7	R7IANN	R7IANN:W7 Income:R Annuity	Cont
8	R8IANN	R8IANN:W8 Income:R Annuity	Cont
9	R9IANN	R9IANN:W9 Income:R Annuity	Cont
10	R10IANN	R10IANN:W10 Income:R Annuity	Cont
11	R11IANN	R11IANN:W11 Income:R Annuity	Cont
12	R12IANN	R12IANN:W12 Income:R Annuity	Cont
13	R13IANN	R13IANN:W13 Income:R Annuity	Cont
14	R14IANN	R14IANN:W14 Income:R Annuity	Cont
15	R15IANN	R15IANN:W15 Income:R Annuity	Cont
16	R16IANN	R16IANN:W16 Income:R Annuity	Cont

1	S1IANN	S1IANN:W1 Income:Sp Annuity	Cont
2	S2IANN	S2IANN:W2 Income:Sp Annuity	Cont
3	S3IANN	S3IANN:W3 Income:Sp Annuity	Cont
4	S4IANN	S4IANN:W4 Income:Sp Annuity	Cont
5	S5IANN	S5IANN:W5 Income:Sp Annuity	Cont
6	S6IANN	S6IANN:W6 Income:Sp Annuity	Cont
7	S7IANN	S7IANN:W7 Income:Sp Annuity	Cont
8	S8IANN	S8IANN:W8 Income:Sp Annuity	Cont
9	S9IANN	S9IANN:W9 Income:Sp Annuity	Cont
10	S10IANN	S10IANN:W10 Income:Sp Annuity	Cont
11	S11IANN	S11IANN:W11 Income:Sp Annuity	Cont
12	S12IANN	S12IANN:W12 Income:Sp Annuity	Cont
13	S13IANN	S13IANN:W13 Income:Sp Annuity	Cont
14	S14IANN	S14IANN:W14 Income:Sp Annuity	Cont
15	S15IANN	S15IANN:W15 Income:Sp Annuity	Cont
16	S16IANN	S16IANN:W16 Income:Sp Annuity	Cont

1	R1IFANN	R1IFANN:W1 ImpFlag:R Annuity	Categ
2	R2IFANN	R2IFANN:W2 ImpFlag:R Annuity	Categ
3	R3IFANN	R3IFANN:W3 ImpFlag:R Annuity	Categ
4	R4IFANN	R4IFANN:W4 ImpFlag:R Annuity	Categ
5	R5IFANN	R5IFANN:W5 ImpFlag:R Annuity	Categ
6	R6IFANN	R6IFANN:W6 ImpFlag:R Annuity	Categ
7	R7IFANN	R7IFANN:W7 ImpFlag:R Annuity	Categ
8	R8IFANN	R8IFANN:W8 ImpFlag:R Annuity	Categ
9	R9IFANN	R9IFANN:W9 ImpFlag:R Annuity	Categ
10	R10IFANN	R10IFANN:W10 ImpFlag:R Annuity	Categ
11	R11IFANN	R11IFANN:W11 ImpFlag:R Annuity	Categ
12	R12IFANN	R12IFANN:W12 ImpFlag:R Annuity	Categ
13	R13IFANN	R13IFANN:W13 ImpFlag:R Annuity	Categ
14	R14IFANN	R14IFANN:W14 ImpFlag:R Annuity	Categ
15	R15IFANN	R15IFANN:W15 ImpFlag:R Annuity	Categ
16	R16IFANN	R16IFANN:W16 ImpFlag:R Annuity	Categ

1	S1IFANN	S1IFANN:W1 ImpFlag:Sp Annuity	Categ
2	S2IFANN	S2IFANN:W2 ImpFlag:Sp Annuity	Categ
3	S3IFANN	S3IFANN:W3 ImpFlag:Sp Annuity	Categ
4	S4IFANN	S4IFANN:W4 ImpFlag:Sp Annuity	Categ
5	S5IFANN	S5IFANN:W5 ImpFlag:Sp Annuity	Categ
6	S6IFANN	S6IFANN:W6 ImpFlag:Sp Annuity	Categ
7	S7IFANN	S7IFANN:W7 ImpFlag:Sp Annuity	Categ
8	S8IFANN	S8IFANN:W8 ImpFlag:Sp Annuity	Categ
9	S9IFANN	S9IFANN:W9 ImpFlag:Sp Annuity	Categ
10	S10IFANN	S10IFANN:W10 ImpFlag:Sp Annuity	Categ
11	S11IFANN	S11IFANN:W11 ImpFlag:Sp Annuity	Categ
12	S12IFANN	S12IFANN:W12 ImpFlag:Sp Annuity	Categ
13	S13IFANN	S13IFANN:W13 ImpFlag:Sp Annuity	Categ
14	S14IFANN	S14IFANN:W14 ImpFlag:Sp Annuity	Categ
15	S15IFANN	S15IFANN:W15 ImpFlag:Sp Annuity	Categ
16	S16IFANN	S16IFANN:W16 ImpFlag:Sp Annuity	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IPENA	12652	1137.78	4746.79	0.0	85000.0
R2IPENA	19642	2527.03	10418.79	0.0	480800.0
R3IPENA	17991	2980.10	12568.19	0.0	732000.0
R4IPENA	21384	3247.07	9310.28	0.0	300000.0
R5IPENA	19578	3895.89	13287.99	0.0	696240.0
R6IPENA	18165	4369.40	15564.11	0.0	1196388.0
R7IPENA	20129	4719.92	33576.61	0.0	2748372.0
R8IPENA	18469	4714.82	19608.72	0.0	1390440.0
R9IPENA	17217	8771.39	458010.58	0.0	60000000.0
R10IPENA	22034	3856.20	40048.90	0.0	5401560.0
R11IPENA	20554	4455.50	14635.57	0.0	678300.0
R12IPENA	18747	5317.34	24398.20	0.0	2160000.0
R13IPENA	20912	4536.17	15426.31	0.0	857280.0
R14IPENA	17146	5280.07	60764.93	0.0	7332000.0
R15IPENA	15723	5290.74	21792.74	0.0	900000.0
R16IPENA	15787	5729.39	36150.12	0.0	3665772.0
S1IPENA	10279	1219.96	5004.24	0.0	85000.0
S2IPENA	13674	2634.97	10860.98	0.0	459600.0
S3IPENA	12334	3018.92	12406.19	0.0	732000.0
S4IPENA	14516	3121.36	8751.94	0.0	225000.0
S5IPENA	13041	3851.94	13297.24	0.0	696240.0
S6IPENA	11859	4410.14	17076.80	0.0	1196388.0
S7IPENA	13352	4664.29	32360.31	0.0	2160000.0
S8IPENA	12052	4573.56	20064.50	0.0	1390440.0
S9IPENA	11012	5712.85	72716.49	0.0	7200000.0
S10IPENA	14237	3367.17	12433.58	0.0	516000.0
S11IPENA	13081	4166.11	13984.33	0.0	492000.0
S12IPENA	11622	4887.41	25801.78	0.0	2160000.0
S13IPENA	12889	4078.86	14485.90	0.0	360000.0
S14IPENA	10463	5139.63	76665.59	0.0	7332000.0
S15IPENA	9529	4704.78	18857.02	0.0	780000.0
S16IPENA	9242	5126.05	42583.31	0.0	3665772.0
R1IFPENA	12652	0.19	0.85	0.0	9.0
R2IFPENA	19642	0.36	0.90	0.0	9.0
R3IFPENA	17991	0.41	0.92	0.0	9.0
R4IFPENA	21384	0.44	1.03	0.0	9.0
R5IFPENA	19578	0.45	0.94	0.0	9.0
R6IFPENA	18165	0.43	0.76	0.0	9.0
R7IFPENA	20129	0.40	0.83	0.0	9.0
R8IFPENA	18469	0.40	0.79	0.0	9.0
R9IFPENA	17217	0.41	0.82	0.0	9.0
R10IFPENA	22034	0.44	1.31	0.0	9.0
R11IFPENA	20554	0.37	0.97	0.0	9.0
R12IFPENA	18747	0.42	1.06	0.0	9.0
R13IFPENA	20912	0.44	1.28	0.0	9.0
R14IFPENA	17146	0.48	1.41	0.0	9.0
R15IFPENA	15723	0.54	1.53	0.0	9.0
R16IFPENA	15787	0.53	1.52	0.0	9.0
S1IFPENA	12652	1.67	3.16	0.0	9.0
S2IFPENA	19642	2.67	3.60	0.0	9.0
S3IFPENA	17991	2.77	3.62	0.0	9.0
S4IFPENA	21384	2.86	3.66	0.0	9.0
S5IFPENA	19578	2.94	3.66	0.0	9.0

S6IFPENA	18165	3.03	3.67	0.0	9.0
S7IFPENA	20129	2.93	3.68	0.0	9.0
S8IFPENA	18469	3.02	3.69	0.0	9.0
S9IFPENA	17217	3.13	3.72	0.0	9.0
S10IFPENA	22034	3.12	3.79	0.0	9.0
S11IFPENA	20554	3.13	3.77	0.0	9.0
S12IFPENA	18747	3.29	3.80	0.0	9.0
S13IFPENA	20912	3.35	3.84	0.0	9.0
S14IFPENA	17146	3.43	3.86	0.0	9.0
S15IFPENA	15723	3.50	3.86	0.0	9.0
S16IFPENA	15787	3.66	3.89	0.0	9.0
R1IPEN	12652	1035.16	4484.10	0.0	85000.0
R2IPEN	19642	2319.02	9574.14	0.0	459600.0
R3IPEN	17991	2649.11	9133.60	0.0	642000.0
R4IPEN	21384	2938.84	8480.76	0.0	300000.0
R5IPEN	19578	3499.14	11339.01	0.0	696240.0
R6IPEN	18165	3963.10	14476.91	0.0	1196388.0
R7IPEN	20129	4212.60	29366.57	0.0	2748372.0
R8IPEN	18469	4102.99	17018.54	0.0	1374108.0
R9IPEN	17217	8016.45	457531.50	0.0	60000000.0
R10IPEN	22034	3302.29	37842.05	0.0	5401560.0
R11IPEN	20554	4006.62	12256.44	0.0	346836.0
R12IPEN	18747	4698.75	21073.00	0.0	2160000.0
R13IPEN	20912	4107.14	14208.17	0.0	857280.0
R14IPEN	17146	4735.10	60062.17	0.0	7332000.0
R15IPEN	15723	4672.91	18825.00	0.0	900000.0
R16IPEN	15787	5214.60	35218.89	0.0	3665772.0
S1IPEN	10279	1117.28	4721.65	0.0	85000.0
S2IPEN	13674	2456.80	10574.73	0.0	459600.0
S3IPEN	12334	2708.00	9535.14	0.0	642000.0
S4IPEN	14516	2917.01	8234.03	0.0	225000.0
S5IPEN	13041	3605.83	12760.22	0.0	696240.0
S6IPEN	11859	4072.12	16166.76	0.0	1196388.0
S7IPEN	13352	4216.13	26074.64	0.0	2023644.0
S8IPEN	12052	4112.36	18695.71	0.0	1374108.0
S9IPEN	11012	5117.02	70254.26	0.0	7200000.0
S10IPEN	14237	2995.12	11127.19	0.0	516000.0
S11IPEN	13081	3868.92	12699.43	0.0	300000.0
S12IPEN	11622	4514.84	24977.93	0.0	2160000.0
S13IPEN	12889	3685.10	13035.21	0.0	360000.0
S14IPEN	10463	4624.08	76052.25	0.0	7332000.0
S15IPEN	9529	4235.14	16547.61	0.0	780000.0
S16IPEN	9242	4699.49	41895.97	0.0	3665772.0
R1IFPEN	12652	0.18	0.85	0.0	9.0
R2IFPEN	19642	0.34	0.89	0.0	9.0
R3IFPEN	17991	0.37	0.91	0.0	9.0
R4IFPEN	21384	0.41	1.02	0.0	9.0
R5IFPEN	19578	0.42	0.92	0.0	9.0
R6IFPEN	18165	0.39	0.73	0.0	9.0
R7IFPEN	20129	0.36	0.80	0.0	9.0
R8IFPEN	18469	0.36	0.76	0.0	9.0
R9IFPEN	17217	0.37	0.80	0.0	9.0
R10IFPEN	22034	0.40	1.29	0.0	9.0
R11IFPEN	20554	0.34	0.95	0.0	9.0
R12IFPEN	18747	0.38	1.04	0.0	9.0
R13IFPEN	20912	0.41	1.27	0.0	9.0

R14IFPEN	17146	0.45	1.40	0.0	9.0
R15IFPEN	15723	0.51	1.52	0.0	9.0
R16IFPEN	15787	0.49	1.51	0.0	9.0
S1IFPEN	12652	1.66	3.16	0.0	9.0
S2IFPEN	19642	2.66	3.61	0.0	9.0
S3IFPEN	17991	2.75	3.63	0.0	9.0
S4IFPEN	21384	2.84	3.67	0.0	9.0
S5IFPEN	19578	2.93	3.67	0.0	9.0
S6IFPEN	18165	3.01	3.69	0.0	9.0
S7IFPEN	20129	2.91	3.69	0.0	9.0
S8IFPEN	18469	3.00	3.71	0.0	9.0
S9IFPEN	17217	3.10	3.74	0.0	9.0
S10IFPEN	22034	3.09	3.80	0.0	9.0
S11IFPEN	20554	3.11	3.78	0.0	9.0
S12IFPEN	18747	3.27	3.81	0.0	9.0
S13IFPEN	20912	3.33	3.85	0.0	9.0
S14IFPEN	17146	3.41	3.87	0.0	9.0
S15IFPEN	15723	3.48	3.88	0.0	9.0
S16IFPEN	15787	3.63	3.90	0.0	9.0
R1IANN	12652	102.62	1623.84	0.0	80000.0
R2IANN	19642	208.01	3985.43	0.0	480800.0
R3IANN	17991	330.98	8502.24	0.0	732000.0
R4IANN	21384	308.23	3387.15	0.0	156480.0
R5IANN	19578	396.75	6745.39	0.0	600000.0
R6IANN	18165	406.29	5507.35	0.0	312000.0
R7IANN	20129	507.32	16208.69	0.0	2160000.0
R8IANN	18469	611.83	9235.52	0.0	817224.0
R9IANN	17217	754.94	21030.74	0.0	1864200.0
R10IANN	22034	553.91	12890.40	0.0	1273200.0
R11IANN	20554	448.88	7757.93	0.0	678300.0
R12IANN	18747	618.59	11494.18	0.0	1000008.0
R13IANN	20912	429.03	5478.88	0.0	324000.0
R14IANN	17146	544.96	8854.27	0.0	600000.0
R15IANN	15723	617.83	10662.97	0.0	888000.0
R16IANN	15787	514.79	7159.09	0.0	582000.0
S1IANN	10279	102.69	1725.68	0.0	80000.0
S2IANN	13674	178.17	2169.29	0.0	114000.0
S3IANN	12334	310.92	7791.28	0.0	732000.0
S4IANN	14516	204.35	2414.81	0.0	98327.6
S5IANN	13041	246.12	3531.25	0.0	204000.0
S6IANN	11859	338.02	5289.62	0.0	312000.0
S7IANN	13352	448.16	19108.24	0.0	2160000.0
S8IANN	12052	461.20	6778.54	0.0	468000.0
S9IANN	11012	595.83	18726.12	0.0	1864200.0
S10IANN	14237	372.05	5271.29	0.0	396000.0
S11IANN	13081	297.20	5702.60	0.0	492000.0
S12IANN	11622	372.57	5573.58	0.0	456000.0
S13IANN	12889	393.77	5915.91	0.0	324000.0
S14IANN	10463	515.55	9565.41	0.0	591600.0
S15IANN	9529	469.64	8697.68	0.0	650400.0
S16IANN	9242	426.56	7351.07	0.0	582000.0
R1IFANN	12652	0.09	0.80	0.0	9.0
R2IFANN	19642	0.13	0.82	0.0	9.0
R3IFANN	17991	0.13	0.81	0.0	9.0
R4IFANN	21384	0.16	0.94	0.0	9.0

R5IFANN	19578	0.13	0.82	0.0	9.0
R6IFANN	18165	0.11	0.58	0.0	9.0
R7IFANN	20129	0.12	0.69	0.0	9.0
R8IFANN	18469	0.12	0.64	0.0	9.0
R9IFANN	17217	0.13	0.69	0.0	9.0
R10IFANN	22034	0.25	1.27	0.0	9.0
R11IFANN	20554	0.14	0.88	0.0	9.0
R12IFANN	18747	0.17	0.98	0.0	9.0
R13IFANN	20912	0.23	1.23	0.0	9.0
R14IFANN	17146	0.28	1.37	0.0	9.0
R15IFANN	15723	0.32	1.50	0.0	9.0
R16IFANN	15787	0.32	1.49	0.0	9.0
S1IFANN	12652	1.58	3.18	0.0	9.0
S2IFANN	19642	2.52	3.69	0.0	9.0
S3IFANN	17991	2.60	3.72	0.0	9.0
S4IFANN	21384	2.69	3.76	0.0	9.0
S5IFANN	19578	2.75	3.77	0.0	9.0
S6IFANN	18165	2.84	3.79	0.0	9.0
S7IFANN	20129	2.77	3.78	0.0	9.0
S8IFANN	18469	2.85	3.80	0.0	9.0
S9IFANN	17217	2.96	3.83	0.0	9.0
S10IFANN	22034	3.01	3.86	0.0	9.0
S11IFANN	20554	3.01	3.85	0.0	9.0
S12IFANN	18747	3.15	3.89	0.0	9.0
S13IFANN	20912	3.24	3.92	0.0	9.0
S14IFANN	17146	3.33	3.93	0.0	9.0
S15IFANN	15723	3.39	3.95	0.0	9.0
S16IFANN	15787	3.55	3.97	0.0	9.0

Categorical Variable Codes

RwIFPENA: ImpFlag:R Pension + Annuity

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	11235	14549	12682	15033	13219	12112	14175	12787	11817	16800
1.No imputations	1126	4070	4199	4789	4926	4640	4556	4445	4266	3750
2.Some imputation	196	889	984	1355	1296	1368	1309	1172	1059	1066
9.No Fin resp	95	134	126	207	137	45	89	65	75	418

Value	w11	w12	w13	w14	w15	w16
0.No income	15249	13514	15736	12799	11489	11664
1.No imputations	4109	4015	3727	3122	2943	2830
2.Some imputation	1025	1019	1074	836	859	863
9.No Fin resp	171	199	375	389	432	430

SwIFPENA: ImpFlag:Sp Pension + Annuity

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	9079	10360	9017	10634	9261	8309	9888	8741	7922	11210
1.No imputations	947	2622	2606	2876	2859	2688	2626	2560	2416	2084
2.Some imputation	158	588	625	821	828	826	761	699	612	615
8.No Sp/part->no incm	2373	5968	5657	6868	6537	6306	6777	6417	6205	7797
9.No Fin resp	95	104	86	185	93	36	77	52	62	328

Value	w11	w12	w13	w14	w15	w16
0.No income	10170	8822	10107	8129	7235	7077
1.No imputations	2220	2119	1891	1551	1491	1360
2.Some imputation	548	521	575	454	464	465
8.No Sp/part->no incm	7473	7125	8023	6683	6194	6545
9.No Fin resp	143	160	316	329	339	340

RwIFPEN: ImpFlag:R Pension

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	11340	14844	13001	15419	13580	12523	14627	13269	12314	17386
1.No imputations	1041	3873	4124	4673	4812	4486	4415	4251	4043	3498
2.Some imputation	176	791	740	1085	1049	1111	998	884	785	732
9.No Fin resp	95	134	126	207	137	45	89	65	75	418

Value	w11	w12	w13	w14	w15	w16
0.No income	15721	14000	16178	13197	11872	12028
1.No imputations	3888	3792	3571	2946	2785	2715
2.Some imputation	774	756	788	614	634	614
9.No Fin resp	171	199	375	389	432	430

SwIFPEN: ImpFlag:Sp Pension

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	9157	10536	9224	10848	9459	8544	10131	9022	8194	11553
1.No imputations	881	2514	2571	2813	2810	2610	2550	2441	2286	1922
2.Some imputation	146	520	453	670	679	669	594	537	470	434
8.No Sp/part->no incm	2373	5968	5657	6868	6537	6306	6777	6417	6205	7797
9.No Fin resp	95	104	86	185	93	36	77	52	62	328

Value	w11	w12	w13	w14	w15	w16
0.No income	10422	9065	10352	8339	7433	7276
1.No imputations	2097	2007	1797	1467	1406	1296
2.Some imputation	419	390	424	328	351	330
8.No Sp/part->no incm	7473	7125	8023	6683	6194	6545
9.No Fin resp	143	160	316	329	339	340

RwIFANN: ImpFlag:R Annuity

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	12386	18792	17128	20209	18538	17134	19048	17368	16127	20520
1.No imputations	85	88	343	432	407	430	446	524	530	524
2.Some imputation	86	628	394	536	496	556	546	512	485	572
9.No Fin resp	95	134	126	207	137	45	89	65	75	418

Value	w11	w12	w13	w14	w15	w16
0.No income	19413	17599	19596	15936	14517	14622
1.No imputations	521	498	430	410	367	312
2.Some imputation	449	451	511	411	407	423
9.No Fin resp	171	199	375	389	432	430

SwIFANN: ImpFlag:Sp Annuity

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	10053	13110	11821	13796	12452	11271	12773	11444	10427	13327
1.No imputations	66	70	181	227	205	218	214	268	260	275
2.Some imputation	65	390	246	308	291	334	288	288	263	307
8.No Sp/part->no incm	2373	5968	5657	6868	6537	6306	6777	6417	6205	7797
9.No Fin resp	95	104	86	185	93	36	77	52	62	328

Value	w11	w12	w13	w14	w15	w16
0.No income	12471	11013	12094	9705	8789	8513
1.No imputations	239	220	199	195	179	145
2.Some imputation	228	229	280	234	222	244
8.No Sp/part->no incm	7473	7125	8023	6683	6194	6545
9.No Fin resp	143	160	316	329	339	340

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document. Unless otherwise noted, income variables refer to income received last calendar year.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

RwIPENA is the sum of the Respondent's income from all pensions and annuities. RwIPEN is the Respondent's income from all pensions. RwIANN is the Respondent's income from all annuities. RwIFPENA is a flag that indicates whether any components are imputed. RwIFPEN and RwIFANN are flags that indicate whether any components are imputed in the separate measures.

SwIPENA, SwIPEN, SwIANN, SwIFPENA, SwIFPEN and SwIFANN are the analogous spouse variables.

Pension amounts are obtained separately for the Financial Respondent and spouse in all waves. In Wave 1, there is one annual amount for all pension income. From Wave 2 forward, up to 3 monthly amounts can be reported for pensions. The month the Respondent or spouse first received the pension is asked for the first 2 pensions. Annuity income questions are asked in the same way as pensions.

Beginning in Wave 2, the start month is checked for the first 2 pensions or annuities, and the appropriate number of months are used to calculate yearly income. For the third monthly amount reported, no start month is available beginning in Wave 2H, and the monthly amount is multiplied by 12 months.

Users should note a few outliers who required further examination:

1. HHIDPN: 10013010 reported receiving a (monthly) first pension (LQ220_1) of $5,000,000 in Wave 9. Multiplying this amount by 12 months results in $60,000,000 annually from this pension alone. The accuracy of this amount has been confirmed by HRS.

2. HHIDPN: 79230030 reported receiving a (monthly) first pension (LQ246_1) of $600,000 in Wave 9. Multiplying this amount by 12 months results in $7,200,000 annually from this pension alone. HRS has stated that the reported amount is a lump sum. However, examination of other questions suggest that this pension started in 2003 (LQ257_1). Therefore, we have decided to consider this a monthly amount, which again will result in the large annual total stated above.

Cross Wave Differences in Original HRS Data

In Wave 1, income is reported as the total amount received in 1991 from all pensions. Pension income is reported separately for Respondent and spouse. From Wave 2 forward, monthly income from up to 2 pensions is asked about individually, and monthly income from any additional pensions are reported as a 3rd amount. These three amounts are reported separately for Respondent and spouse. Also, beginning in Wave 2, the month the Respondent or spouse first received the pension is asked for the first two pensions. The same is true for annuities.

Beginning in Wave 2, the start month is checked for the first 2 pensions or annuities, and the appropriate number of months are used to calculate yearly income. For the third monthly amount reported, no start month is available beginning in Wave 2H, and the monthly amount is multiplied by 12 months.

Beginning in Wave 3H, if the Respondent refuses or does not know the amount received last month from the first 2 pensions and annuities, a series of unfolding bracket questions are asked. The bracket amounts and entry points are the same across waves. In Waves 1, 2, and 3A, no unfolding bracket questions are asked. Beginning in Wave 6, bracket questions are asked for the third pension and annuity.

Beginning with Wave 10, those who report receiving $0 in the last month for their first or second annuities are asked if they received any income in the last year and the amount in total that they received.

The income questions in Wave 2A are very different from other waves. Most distinctive are the "regular income" for Respondent and spouse and "other household income". After standard questions about Social Security income, SSI and food stamps, other income is asked about in a general way. If other income is present, Respondents are asked to specify the source of income. In other waves, most income types are asked specifically (e.g., Do you receive pension income?).

In Wave 2A, Financial Respondents are asked the following questions about their own income then their spouse's:

a) "Do you receive any (other) regular income payments; for example, from retirement pensions, Veterans' Benefits, annuities, payments from an IRA account, or anything like that?"

b) "Please think about the largest (other) regular income you receive. What type of income is that?"

[IWER: PROBE WITH CATEGORIES ONLY IF R NEEDS HELP]

1.VETERANS BENEFITS

2.RETIREMENT OR OTHER PENSIONS

3.ANNUITY

4.IRA DISTRIBUTION

5.STOCKS AND BONDS

7.OTHER

8.DK

9.RF

This set of questions is repeated twice so that Respondents can report up to 3 current other regular incomes. Then they are asked:

a) "Did you receive any other regular income in (last calendar year) that you no longer receive?"

b) "What type of income was that?"

(Same categories as above)

So there are a total of 4 other regular incomes that can be reported. Categories may be specified more than once, and there are up to 3 different instances of pension income and up to 2 different reports of annuity income.

If income is received, Financial Respondents are then asked questions that serve to identify the frequency (was that paid to you monthly?), amount received (how much did you receive last (month/period/year) from that?), and when payments were stopped (what month did you stop receiving that?). There are no unfolding brackets for income in Wave 2A.

Beginning in Wave 10, if a Respondent states they are currently receiving an annuity and that the amount received last month was $0, they are asked if any income was received last year and the total amount received last year. If provided, we apply the total amount received last year as the annual amount from the LCY and also use it to estimate a monthly amount.

An examination of the pension income (RwIPEN) variables in RAND HRS Version O showed markedly lower average pension income in Wave 11 compared to Wave 10. After a thorough analysis, we have concluded that this is largely due to the introduction of a new Pension Section (J2) in the 2012 questionnaire, which precedes and therefore affects some answers in the Assets and Income Section (Q). Because the question about pension income in the Assets and Income Section uses the wording "Not including Social Security or other retirement income you've already told me about," some Financial Respondents did not report pension income they had reported earlier in the Pension Section. This interaction between different sections of the surveys was not intended by the survey designers.

To remedy this problem in the data, we incorporate logic in Waves 11 forward to pull information about pension income of Financial Respondents from both Section Q and Section J2 of the questionnaire. We did not change the derivation of pension income for earlier waves, because those did not yet have the Pension Section (J2) that caused the interaction with the pension income questions in Section Q. Pension income for earlier waves continues to be calculated using only information from Section Q. See Appendix C: Combining Pension Income from Section Q (Assets & Income) and Section J2 (Pension) in the RAND HRS Detailed Imputations File Codebook available on the HRS website for a detailed description of the methodology that we developed for combining information from the Pension Section (J2) and the Income Section (Q).

HRS Variables Used

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HRS 1992:
    V15714          N25A:WHO RECVD RET P:IND
    V15715          N26:RET PN:R1TYPE IN:IND
    V15716          N26A RET PEN:R1 AMTI:IND
    V15720          N26C:ANNUIT:R1 RECIN:IND
    V15724          N27:RET PN:R2TYPE IN:IND
    V15725          N27A RET PEN:R2 AMTI:IND
    V15729          N27C:ANNUIT:R2 RECIN:IND
    V5713           N25:RECV RET PENS-NO:IMP
    V5714           N25A:WHO RECVD RET P:IMP
    V5715           N26:RET PEN:R1TYPE R:IMP
    V5716           N26A:RET PN:R1$AMT R:IMP
    V5717           N26A:RET PN:R1RECVD :IMP
    V5720           N26C:ANNUIT:R1$AMT R:IMP
    V5721           N26C:ANNUIT:R1RECVD :IMP
    V5724           N27:RET PEN:R2TYPE R:IMP
    V5725           N27A:RET PN:R2$AMT R:IMP
    V5726           N27A:RET PN:R2RECVD :IMP
    V5729           N27C:ANNUIT:R2$AMT R:IMP
    V5730           N27C:ANNUIT:R2RECVD :IMP
AHEAD 1993:
    B1456           J19. R REG INC: RECEIVE ANY
    B1457           J20-1. R REG INC: TYPE-1
    B1458           J21-1. R REG INC: PAID PER MONTH-1
    B1459           J21b-1. R REG INC: $ PERIOD-1
    B1460           J21c-1. R REG INC: $ LAST PERIOD-1
    B1462           J21e-1. R REG INC: START >2YRS AGO-1
    B1463           J21f-1. R REG INC: START MONTH-1
    B1464           J21g-1. R REG INC: START YEAR-1
    B1473           J26-1. R REG INC: ANY OTHER-1
    B1475           J20-2. R REG INC: TYPE-2
    B1476           J21-2. R REG INC: PAID PER MONTH-2
    B1477           J21b-2. R REG INC: $ PERIOD-2
    B1478           J21c-2. R REG INC: $ LAST PERIOD-2
    B1480           J21e-2. R REG INC: START >2YRS AGO-2
    B1481           J21f-2. R REG INC: START MONTH-2
    B1482           J21g-2. R REG INC: START YEAR-2
    B1491           J26-2. R REG INC: ANY OTHER-2
    B1492           J20-3. R REG INC: TYPE-3
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    B1493           J21-3. R REG INC: PAID PER MONTH-3
    B1494           J21b-3. R REG INC: $ PERIOD-3
    B1495           J21c-3. R REG INC: $ LAST PERIOD-3
    B1497           J21e-3. R REG INC: START >2YRS AGO-3
    B1498           J21f-3. R REG INC: START MONTH-3
    B1499           J21g-3. R REG INC: START YEAR-3
    B1508           J27. R REG INC: ANY END 1992/3
    B1509           J27a. R REG INC END1992/3: TYPE
    B1510           J28. R REG INC END 1992/3: PAID PER MO
    B1511           J28a. R REG INC END 1992/3: $ PERIOD
    B1512           J28b.R REG INC END1992/3:$ LAST PERIOD
    B1513           J28c. R REG INC END92/3: LAST MO RECD
    B1514           J28d. R REG INC END92/3: LAST YR RECD
    B1515           J29. SP REG INC: RECEIVE ANY
    B1517           J30-1. SP REG INC: TYPE-1
    B1518           J31-1. SP REG INC: PAID PER MONTH-1
    B1519           J31b-1. SP REG INC: $ PERIOD-1
    B1520           J31c-1. SP REG INC: $ LAST PERIOD-1
    B1522           J31e-1. SP REG INC: START >2YRS AGO-1
    B1523           J31f-1. SP REG INC: START MONTH-1
    B1524           J31g-1. SP REG INC: START YEAR-1
    B1533           J36-1. SP REG INC: ANY OTHER-1
    B1539           J30-2. SP REG INC: TYPE-2
    B1540           J31-2. SP REG INC: PAID PER MONTH-2
    B1541           J31b-2. SP REG INC: $ PERIOD-2
    B1542           J31c-2. SP REG INC: $ LAST PERIOD-2
    B1544           J31e-2. SP REG INC: START >2YRS AGO-2
    B1545           J31f-2. SP REG INC: START MONTH-2
    B1546           J31g-2. SP REG INC: START YEAR-2
    B1555           J36-2. SP REG INC: ANY OTHER-2
    B1560           J30-3. SP REG INC: TYPE-3
    B1561           J31-3. SP REG INC: PAID PER MONTH-3
    B1562           J31b-3. SP REG INC: $ PERIOD-3
    B1563           J31c-3. SP REG INC: $ LAST PERIOD-3
    B1565           J31e-3. SP REG INC: START >2YRS AGO-3
    B1566           J31f-3. SP REG INC: START MONTH-3
    B1567           J31g-3. SP REG INC: START YEAR-3
    B1576           J37. SP REG INC: ANY END 92/93
    B1577           J37a. SP REG INC END 92/93: TYPE
    B1578           J37b. SP REG INC END 92/93: LAST MO RECD
    B1579           J37b. SP REG INC END 92/93: LAST YR RECD
    B1580           J37c. SP REG INC END 92/93: PAID PER MO
    B1581           J37d. SP REG INC END 92/93: $ PERIOD
    B1582           J37e. SP REG INC END 92/93: $ LST PERIOD
HRS 1994:
    W16071          N20. Imputation flag
    W16072          N20a. Imputation flag
    W16074          N20c. Imputation flag
    W16075          N20d. Imputation flag
    W16083          N20q. Imputation flag
    W16091          N20x1. Imputation flag
    W16095          N20aa. Imputation flag
    W16103          N20mm. Imputation flag
    W16111          N20uu. Imputation flag
    W16114          N21. Imputation flag
    W16116          N21b. Imputation flag
    W16117          N21c. Imputation flag
    W16118          N21d. Imputation flag
    W16126          N21q. Imputation flag
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    W16134          N21x1. Imputation flag
    W16136          N21y. Imputation flag
    W16137          N21z. Imputation flag
    W16138          N21aa. Imputation flag
    W16146          N21mm. Imputation flag
    W16154          N21uu. Imputation flag
    W6071           N20.RETIREMENT PENSIONS?
    W6072           N20a.WHO RECEIVES PENSIO
    W6073           N20b.>1 PENSION?
    W6074           N20c.NUMBER PENSIONS
    W6075           N20d.AMT LAST MONTH-PENS
    W6077           N20f.MONTH START RECEIVI
    W6078           N20f.YEAR START RECEIVIN
    W6083           N20q.AMT LAST MONTH-PENS
    W6085           N20s.MONTH START RECEIVI
    W6086           N20s.YEAR START RECEIVIN
    W6091           N20x1.AMT LAST MONTH-OTH
    W6093           N20y.SP->1 PENSION?
    W6094           N20z.SP-NUMBER PENSIONS
    W6095           N20aa.SP-AMT LAST MONTH-
    W6097           N20cc.SP-MONTH START REC
    W6098           N20cc.SP-YEAR START RECE
    W6103           N20mm.SP-AMT LAST MONTH-
    W6105           N20pp.SP-MONTH START REC
    W6106           N20pp.SP-YEAR START RECE
    W6111           N20uu.SP-AMT LAST MONTH-
    W6114           N21.ANNUITIES?
    W6115           N21a.WHO RECEIVES ANNUIT
    W6116           N21b.>1 ANNUITY?
    W6117           N21c.NUMBER OF ANNUITIES
    W6118           N21d.AMT LAST MONTH-ANNU
    W6120           N21f.MONTH START RECEIVI
    W6121           N21f.YEAR START RECEIVIN
    W6126           N21q.AMT LAST MONTH-ANNU
    W6128           N21s.MONTH START RECEIVI
    W6129           N21s.YEAR START RECEIVIN
    W6134           N21x1.AMT LAST MONTH-OTH
    W6136           N21y.SP->1 ANNUITY?
    W6137           N21z.SP-NUMBER OF ANNUIT
    W6138           N21aa.SP-AMT LAST MONTH-
    W6140           N21cc.SP-MONTH START REC
    W6141           N21cc.SP-YEAR START RECE
    W6146           N21mm.SP-AMT LAST MONTH-
    W6148           N21pp.SP-MONTH START REC
    W6149           N21pp.SP-YEAR START RECE
    W6154           N21uu.SP-AMT LAST MONTH-
AHEAD 1995:
    D4191           J30.RET PENSION
    D4192           J30A.WHO RECD PENSION
    D4193           J30B.>1 PENSION
    D4194           J30C.#PENSIONS
    D4198           J30D.AMT PENSION-1
    D4200           J30F.YEAR START PENSION-1
    D4201           J30G.YEAR START PENSION-1
    D4213           J30D.2ND (LARGEST) PENSION-2
    D4215           J30F.YEAR START PENSION-2
    D4216           J30G.MONTH START PENSION-2
    D4221           J30U.OTHER PENSIONS
    D4226           J31.PENSION SP
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    D4227           J31A.#PENSIONS SP
    D4229           J31C.AMT PENSION SP-1
    D4231           J31E.YEAR START PENSION SP-1
    D4232           J31F.MONTH START PENSION SP-1
    D4238           J31K. 2ND (LARGEST) PENSION SP-2
    D4246           J31E.YEAR START PENSION SP-2
    D4247           J31F.MONTH START PENSION SP-2
    D4253           J31U.OTHER PENSIONS SP
    D4266           J33.INCOME ANNUITIES
    D4267           J33A.WHO RECD ANNUITY
    D4268           J33B.>1 ANNUITY INC
    D4269           J33C.# ANNUITIES INC
    D4271           J33D.AMT ANNUITY INC-1
    D4273           J33F.YEAR START ANNUITY INC-1
    D4274           J33G.MONTH START ANNUITY INC-1
    D4285           J33D.2ND (LARGEST) ANNUITY INC-2
    D4288           J33F.YEAR START ANNUITY INC-2
    D4289           J33G.MONTH START ANNUITY INC-2
    D4294           J34.OTHER ANNUITIES
    D4299           J35.>1 ANNUITIES SPOUSE
    D4300           J35A.# ANNUITIES SP
    D4302           J35C.AMT ANNUITY INC SP-1
    D4304           J35E.YEAR START ANNUITY INC SP-1
    D4305           J35E.MONTH START ANNTY
    D4315           J35B.2ND (LARGEST) ANNUUITY INC SP-2
    D4318           J35E.YEAR START ANNUITY INC SP-2
    D4319           J35P.MONTH START ANNUITY INC SP-2
    D4324           J35U.OTHER ANNUITY INC SP
HRS 1996:
    E4209           J127.RET PENSION
    E4210           J128.WHO RECD PENSION
    E4211           J129.>1 PENSION
    E4212           J130.#PENSIONS
    E4214_1         J132.AMT PENSION LAST MONTH
    E4214_2         J132.AMT PENSION LAST MONTH
    E4215_1         J132A.$ PENSION LAST MONTH DK-1K
    E4215_2         J132A.$ PENSION LAST MONTH DK-1K
    E4216_1         J132B.$ PENSION LAST MONTH DK-2K
    E4216_2         J132B.$ PENSION LAST MONTH DK-2K
    E4217_1         J143C.$ PENSION LAST MONTH DK-4K
    E4217_2         J143C.$ PENSION LAST MONTH DK-4K
    E4218_1         J143D.$ PENSION LAST MONTH DK-500
    E4218_2         J143D.$ PENSION LAST MONTH DK-500
    E4223_1         J137.PENSION START YEAR
    E4223_2         J137.PENSION START YEAR
    E4224_1         J138.PENSION START MONTH
    E4224_2         J138.PENSION START MONTH
    E4232           J143.OTHER PENSIONS
    E4234           J145.PENSION SP
    E4235           J146.#PENSIONS SP
    E4237_1         J148.SP AMT PENSION LAST MONTH
    E4237_2         J148.SP AMT PENSION LAST MONTH
    E4238_1         J148A.$ SP PENSION LAST MONTH DK-1K
    E4238_2         J148A.$ SP PENSION LAST MONTH DK-1K
    E4239_1         J148B.$ SP PENSION LAST MONTH DK-2K
    E4239_2         J148B.$ SP PENSION LAST MONTH DK-2K
    E4240_1         J148C.$ SP PENSION LAST MONTH DK-4K
    E4240_2         J148C.$ SP PENSION LAST MONTH DK-4K
    E4241_1         J148D.$ SP PENSION LAST MONTH DK-500
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    E4241_2         J148D.$ SP PENSION LAST MONTH DK-500
    E4246_1         J153.SP PENSION START YEAR
    E4246_2         J153.SP PENSION START YEAR
    E4247_1         J153.SP PENSION START MONTH
    E4247_2         J153.SP PENSION START MONTH
    E4258           J159.OTHER PENSIONS SP
    E4263           J163.INCOME ANNUITIES
    E4264           J164.WHO RECD ANNUITY
    E4265           J165.>1 ANNUITY INC
    E4266           J166.# ANNUITIES INC
    E4269_1         J168.AMT ANNUITY INC
    E4269_2         J168.AMT ANNUITY INC
    E4270_1         J168A.$ ANNUITY INC DK-1K
    E4270_2         J168A.$ ANNUITY INC DK-1K
    E4271_1         J168B.$ ANNUITY INC DK-2K
    E4271_2         J168B.$ ANNUITY INC DK-2K
    E4272_1         J168C.$ ANNUITY INC DK-4K
    E4272_2         J168C.$ ANNUITY INC DK-4K
    E4273_1         J168D.$ ANNUITY INC DK-500
    E4273_2         J168D.$ ANNUITY INC DK-500
    E4275_1         J170.ANNUITY INC START YEAR
    E4275_2         J170.ANNUITY INC START YEAR
    E4276_1         J171.ANNUITY INC START MONTH
    E4276_2         J171.ANNUITY INC START MONTH
    E4291           J176.OTHER ANNUITIES
    E4295           J178.>1 ANNUITIES SPOUSE
    E4296           J179.# ANNUITIES SP
    E4298_1         J181.SP AMT ANNUITY INC
    E4298_2         J181.SP AMT ANNUITY INC
    E4299_1         J181A.$ SP ANNUITY INC DK-1K
    E4299_2         J181A.$ SP ANNUITY INC DK-1K
    E4300_1         J181B.$ SP ANNUITY INC DK-2K
    E4300_2         J181B.$ SP ANNUITY INC DK-2K
    E4301_1         J181C.$ SP ANNUITY INC DK-4K
    E4301_2         J181C.$ SP ANNUITY INC DK-4K
    E4302_1         J181D.$ SP ANNUITY INC DK-500
    E4302_2         J181D.$ SP ANNUITY INC DK-500
    E4304_1         J183.SP ANNUITY INC START YEAR
    E4304_2         J183.SP ANNUITY INC START YEAR
    E4305_1         J184.SP ANNTY START MONTH
    E4305_2         J184.SP ANNTY START MONTH
    E4320           J188A.OTHER ANNUITY INC SP
HRS 1998:
    F4969           J127.RET PENSION
    F4970           J128.WHO RECD PENSION
    F4971           J129.>1 PENSION
    F4972           J130.#PENSIONS
    F4974_1         J132.AMT PENSION LAST MONTH
    F4974_2         J132.AMT PENSION LAST MONTH
    F4975_1         J132A.DK-1K
    F4975_2         J132A.DK-1K
    F4976_1         J132B.DK-2K
    F4976_2         J132B.DK-2K
    F4977_1         J132C.DK-4K
    F4977_2         J132C.DK-4K
    F4978_1         J132D.DK-500
    F4978_2         J132D.DK-500
    F4983_1         J137.PENSION START YEAR
    F4983_2         J137.PENSION START YEAR
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    F4984_1         J138.PENSION START MONTH
    F4984_2         J138.PENSION START MONTH
    F4992           J143.OTHER PENSIONS
    F4994           J145.PENSION SP
    F4995           J146.#PENSIONS SP
    F4996_1         J147.SP PENSION LOOP
    F4996_2         J147.SP PENSION LOOP
    F4998_1         J148A.DK-1K
    F4998_2         J148A.DK-1K
    F4999_1         J148B.DK-2K
    F4999_2         J148B.DK-2K
    F5000_1         J148C.DK-4K
    F5000_2         J148C.DK-4K
    F5001_1         J148D.DK-500
    F5001_2         J148D.DK-500
    F5006_1         J153.PENSION START YEAR
    F5006_2         J153.PENSION START YEAR
    F5007_1         J153.PENSION START MONTH
    F5007_2         J153.PENSION START MONTH
    F5018           J159.OTHER PENSIONS SP
    F5023           J163.INCOME ANNUITIES
    F5024           J164.WHO RECD ANNUITY
    F5025           J165.>1 ANNUITY INC
    F5026           J166.# ANNUITIES INC
    F5029_1         J168.AMT ANNUITY INC
    F5029_2         J168.AMT ANNUITY INC
    F5030_1         J168A.DK-1K
    F5030_2         J168A.DK-1K
    F5031_1         J168B.DK-2K
    F5031_2         J168B.DK-2K
    F5032_1         J168C.DK-4K
    F5032_2         J168C.DK-4K
    F5033_1         J168D.DK-500
    F5033_2         J168D.DK-500
    F5035_1         J170.ANNUITY INC START YEAR
    F5035_2         J170.ANNUITY INC START YEAR
    F5036_1         J171.ANNUITY INC START MONTH
    F5036_2         J171.ANNUITY INC START MONTH
    F5051           J176.OTHER ANNUITIES
    F5055           J178.>1 ANNUITIES SPOUSE
    F5056           J179.# ANNUITIES SP
    F5058_1         J181.AMT ANNUITY INC SP
    F5058_2         J181.AMT ANNUITY INC SP
    F5059_1         J181A.DK-1K
    F5059_2         J181A.DK-1K
    F5060_1         J181B.DK-2K
    F5060_2         J181B.DK-2K
    F5061_1         J181C.DK-4K
    F5061_2         J181C.DK-4K
    F5062_1         J181D.DK-500
    F5062_2         J181D.DK-500
    F5064_1         J183.ANNUITY INC SP START YEAR
    F5064_2         J183.ANNUITY INC SP START YEAR
    F5065_1         J184.ANNTY START MONTH
    F5065_2         J184.ANNTY START MONTH
    F5079           J188A.OTHER ANNUITY INC SP
HRS 2000:
    G5424           J127.RET PENSION
    G5425           J128.WHO RECD PENSION
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G5426	J129.>1 PENSION
G5427	J130.#PENSIONS
G5429_1	J132.AMT PENSION LAST MONTH
G5429_2	J132.AMT PENSION LAST MONTH
G5430_1	J132A.DK-1K
G5430_2	J132A.DK-1K
G5431_1	J132B.DK-2K
G5431_2	J132B.DK-2K
G5432_1	J132C.DK-4K
G5432_2	J132C.DK-4K
G5433_1	J132D.DK-500
G5433_2	J132D.DK-500
G5438_1	J137.PENSION START YEAR
G5438_2	J137.PENSION START YEAR
G5439_1	J138.PENSION START MONTH
G5439_2	J138.PENSION START MONTH
G5447	J143.OTHER PENSIONS
G5449	J145.PENSION SP
G5450	J146.#PENSIONS SP
G5453_1	J148A.DK-1K
G5453_2	J148A.DK-1K
G5454_1	J148B.DK-2K
G5454_2	J148B.DK-2K
G5455_1	J148C.DK-4K
G5455_2	J148C.DK-4K
G5456_1	J148D.DK-500
G5456_2	J148D.DK-500
G5461_1	J153.PENSION START YEAR
G5461_2	J153.PENSION START YEAR
G5462_1	J153Y1.PENSION START MONTH
G5462_2	J153Y1.PENSION START MONTH
G5473	J159.OTHER PENSIONS SP
G5478	J163.INCOME ANNUITIES
G5479	J164.WHO RECD ANNUITY
G5480	J165.>1 ANNUITY INC
G5481	J166.# ANNUITIES INC
G5484_1	J168.AMT ANNUITY INC
G5484_2	J168.AMT ANNUITY INC
G5485_1	J168A.DK-1K
G5485_2	J168A.DK-1K
G5486_1	J168B.DK-2K
G5486_2	J168B.DK-2K
G5487_1	J168C.DK-4K
G5487_2	J168C.DK-4K
G5488_1	J168D.DK-500
G5488_2	J168D.DK-500
G5490_1	J170.ANNUITY INC START YEAR
G5490_2	J170.ANNUITY INC START YEAR
G5491_1	J171.ANNUITY INC START MONTH
G5491_2	J171.ANNUITY INC START MONTH
G5506	J176.OTHER ANNUITIES
G5510	J178.>1 ANNUITIES SPOUSE
G5511	J179.# ANNUITIES SP
G5513_1	J181.AMT ANNUITY INC SP
G5513_2	J181.AMT ANNUITY INC SP
G5514_1	J181A.DK-1K
G5514_2	J181A.DK-1K
G5515_1	J181B.DK-2K
G5515_2	J181B.DK-2K

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    G5516_1         J181C.DK-4K
    G5516_2         J181C.DK-4K
    G5517_1         J181D.DK-500
    G5517_2         J181D.DK-500
    G5519_1         J183.ANNUITY INC SP START YEAR
    G5519_2         J183.ANNUITY INC SP START YEAR
    G5520_1         J184.ANNTY START MONTH
    G5520_2         J184.ANNTY START MONTH
    G5534           J188A.OTHER ANNUITY INC SP
HRS 2002-2022:
    xQ215           PENSION RETIREMENT INCOME
    xQ216           WHO REC PENSION RETIREMENT INC
    xQ217           R INCOME FR MORE THAN ONE PENSION
    xQ218           NUMBER OF PENSIONS R RECEIVED
    xQ220_1         R AMT RECV FR PENSION - LAST MONTH -1
    xQ220_2         R AMT RECV FR PENSION - LAST MONTH -2
    xQ221_1         R AMT RECV FROM PENSION - MIN -1
    xQ221_2         R AMT RECV FROM PENSION - MIN -2
    xQ222_1         R AMT RECV FROM PENSION - MAX -1
    xQ222_2         R AMT RECV FROM PENSION - MAX -2
    xQ223_1         R AMT RECV FROM PENSION - RESULT -1
    xQ223_2         R AMT RECV FROM PENSION - RESULT -2
    xQ231_1         R YEAR PENSION STARTED -1
    xQ231_2         R YEAR PENSION STARTED -2
    xQ232_1         R MONTH PENSION STARTED -1
    xQ232_2         R MONTH PENSION STARTED -2
    xQ238           OTHER PENSIONS
    xQ243           SP PENSION
    xQ244           SP NUMBER OF PENSIONS
    xQ246_1         SP AMT RECV FR PENSION - LAST MONTH -1
    xQ246_2         SP AMT RECV FR PENSION - LAST MONTH -2
    xQ247_1         SP AMT RECV FROM PENSION - MIN -1
    xQ247_2         SP AMT RECV FROM PENSION - MIN -2
    xQ248_1         SP AMT RECV FROM PENSION - MAX -1
    xQ248_2         SP AMT RECV FROM PENSION  - MAX -2
    xQ249_1         SP AMT RECV FROM PENSION - RESULT -1
    xQ249_2         SP AMT RECV FROM PENSION  - RESULT -2
    xQ257_1         SP YEAR PENSION STARTED -1
    xQ257_2         SP YEAR PENSION STARTED -2
    xQ258_1         SP MONTH PENSION STARTED -1
    xQ258_2         SP MONTH PENSION STARTED -2
    xQ264           SP ALL OTH PENS AMT REC - LAST MONTH
    xQ273           R OR SP INCOME FROM ANNUITIES
    xQ274           WHO RECEIVED INC FROM ANNUITIES
    xQ275           R INCOME FROM  MORE THAN ONE ANNUITIES
    xQ276           R NUMBER OF ANNUITIES INCOME
    xQ278_1         R AMT FROM ANNUITY - LAST MONTH -1
    xQ278_2         R AMT FROM ANNUITY - LAST MONTH -2
    xQ279_1         R AMT FROM ANNUITY - MIN -1
    xQ279_2         R AMT FROM ANNUITY - MIN -2
    xQ280_1         R AMT FROM ANNUITY - MAX -1
    xQ280_2         R AMT FROM ANNUITY - MAX -2
    xQ281_1         R AMT FROM ANNUITY - RESULT -1
    xQ281_2         R AMT FROM ANNUITY - RESULT -2
    xQ283_1         R YEAR ANNUITY PMT STARTED -1
    xQ283_2         R YEAR ANNUITY PMT STARTED -2
    xQ284_1         R MONTH ANNUITY PMT STARTED -1
    xQ284_2         R MONTH ANNUITY PMT STARTED -2
    xQ290           OTHER ANNUITIES
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    xQ295           >1 ANNUITIES SP
    xQ296           NUMBER OF ANNUITIES SP
    xQ298_1         SP AMT FROM ANNUITY - LAST MONTH -1
    xQ298_2         SP AMT FROM ANNUITY - LAST MONTH -2
    xQ299_1         SP AMT FROM ANNUITY - MIN -1
    xQ299_2         SP AMT FROM ANNUITY - MIN -2
    xQ300_1         SP AMT FROM ANNUITY - MAX -1
    xQ300_2         SP AMT FROM ANNUITY - MAX -2
    xQ301_1         SP AMT FROM ANNUITY - RESULT -1
    xQ301_2         SP AMT FROM ANNUITY - RESULT -2
    xQ303_1         SP YEAR ANNUITY PMT STARTED -1
    xQ303_2         SP YEAR ANNUITY PMT STARTED -2
    xQ304_1         SP MONTH ANNUITY PMT STARTED -1
    xQ304_2         SP MONTH ANNUITY PMT STARTED -2
    xQ310           SP OTH ANNUIT PMT AMT LAST MONTH
HRS 2010-2022:
    xQ524_1         R INCOME FROM ANNUITY - LAST YEAR -1
    xQ524_2         R INCOME FROM ANNUITY - LAST YEAR -2
    xQ525_1         R AMOUNT FROM ANNUITY - LAST YEAR -1
    xQ525_2         R AMOUNT FROM ANNUITY - LAST YEAR -2
    xQ526           R INCOME FROM OTHER ANNUITY - LAST YEAR
    xQ527           R AMOUNT FROM OTHER ANNUITY - LAST YEAR
    xQ528_1         SP INCOME FROM ANNUITY - LAST YEAR -1
    xQ529_1         SP AMOUNT FROM ANNUITY - LAST YEAR -1
    xQ530           SP INCOME FROM OTHER ANNUITY - LAST YEAR
    xQ531           SP AMOUNT FROM OTHER ANNUITY - LAST YR
HRS 2012-2018:
    xJ2W014_10      AGE WHEN BENEFITS STARTED -1_10
    xJ2W015_10      AMOUNT OF BENEFITS -1_10
    xJ2W016_10      AMOUNT OF BENEFITS PER -1_10
    xJ2W086_10      AGE WHEN BENEFITS STARTED MONTHS -1_10
    xJ2W108_10      STARTED RECEIVING ANNUITY -1_10
    xJ2W426_10      RECEIVING BENEFITS -1_10
    xJ2W434_10      PLAN STATUS-RECEIVING REGULAR BENEFITS -1_10
    xJ2W440_10      PLAN STATUS-CONVERTED TO ANNUITY -1_10
HRS 2012-2022:
    xJ2W014_1       AGE WHEN BENEFITS STARTED -1_1
    xJ2W014_2       AGE WHEN BENEFITS STARTED -1_2
    xJ2W014_3       AGE WHEN BENEFITS STARTED -1_3
    xJ2W014_4       AGE WHEN BENEFITS STARTED -1_4
    xJ2W014_5       AGE WHEN BENEFITS STARTED -1_5
    xJ2W014_6       AGE WHEN BENEFITS STARTED -1_6
    xJ2W014_7       AGE WHEN BENEFITS STARTED -1_7
    xJ2W014_8       AGE WHEN BENEFITS STARTED -1_8
    xJ2W014_9       AGE WHEN BENEFITS STARTED -1_9
    xJ2W015_1       AMOUNT OF BENEFITS -1_1
    xJ2W015_2       AMOUNT OF BENEFITS -1_2
    xJ2W015_3       AMOUNT OF BENEFITS -1_3
    xJ2W015_4       AMOUNT OF BENEFITS -1_4
    xJ2W015_5       AMOUNT OF BENEFITS -1_5
    xJ2W015_6       AMOUNT OF BENEFITS -1_6
    xJ2W015_7       AMOUNT OF BENEFITS -1_7
    xJ2W015_8       AMOUNT OF BENEFITS -1_8
    xJ2W015_9       AMOUNT OF BENEFITS -1_9
    xJ2W016_1       AMOUNT OF BENEFITS PER -1_1
    xJ2W016_2       AMOUNT OF BENEFITS PER -1_2
    xJ2W016_3       AMOUNT OF BENEFITS PER -1_3
    xJ2W016_4       AMOUNT OF BENEFITS PER -1_4
    xJ2W016_5       AMOUNT OF BENEFITS PER -1_5
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    xJ2W016_6       AMOUNT OF BENEFITS PER -1_6
    xJ2W016_7       AMOUNT OF BENEFITS PER -1_7
    xJ2W016_8       AMOUNT OF BENEFITS PER -1_8
    xJ2W016_9       AMOUNT OF BENEFITS PER -1_9
    xJ2W086_1       AGE WHEN BENEFITS STARTED MONTHS -1_1
    xJ2W086_2       AGE WHEN BENEFITS STARTED MONTHS -1_2
    xJ2W086_3       AGE WHEN BENEFITS STARTED MONTHS -1_3
    xJ2W086_4       AGE WHEN BENEFITS STARTED MONTHS -1_4
    xJ2W086_5       AGE WHEN BENEFITS STARTED MONTHS -1_5
    xJ2W086_6       AGE WHEN BENEFITS STARTED MONTHS -1_6
    xJ2W086_7       AGE WHEN BENEFITS STARTED MONTHS -1_7
    xJ2W086_8       AGE WHEN BENEFITS STARTED MONTHS -1_8
    xJ2W086_9       AGE WHEN BENEFITS STARTED MONTHS -1_9
    xJ2W108_1       STARTED RECEIVING ANNUITY -1_1
    xJ2W108_2       STARTED RECEIVING ANNUITY -1_2
    xJ2W108_3       STARTED RECEIVING ANNUITY -1_3
    xJ2W108_4       STARTED RECEIVING ANNUITY -1_4
    xJ2W108_5       STARTED RECEIVING ANNUITY -1_5
    xJ2W108_6       STARTED RECEIVING ANNUITY -1_6
    xJ2W108_7       STARTED RECEIVING ANNUITY -1_7
    xJ2W108_8       STARTED RECEIVING ANNUITY -1_8
    xJ2W108_9       STARTED RECEIVING ANNUITY -1_9
    xJ2W426_1       RECEIVING BENEFITS -1_1
    xJ2W426_2       RECEIVING BENEFITS -1_2
    xJ2W426_3       RECEIVING BENEFITS -1_3
    xJ2W426_4       RECEIVING BENEFITS -1_4
    xJ2W426_5       RECEIVING BENEFITS -1_5
    xJ2W426_6       RECEIVING BENEFITS -1_6
    xJ2W426_7       RECEIVING BENEFITS -1_7
    xJ2W426_8       RECEIVING BENEFITS -1_8
    xJ2W426_9       RECEIVING BENEFITS -1_9
    xJ2W434_1       PLAN STATUS-RECEIVING REGULAR BENEFITS -1_1
    xJ2W434_2       PLAN STATUS-RECEIVING REGULAR BENEFITS -1_2
    xJ2W434_3       PLAN STATUS-RECEIVING REGULAR BENEFITS -1_3
    xJ2W434_4       PLAN STATUS-RECEIVING REGULAR BENEFITS -1_4
    xJ2W434_5       PLAN STATUS-RECEIVING REGULAR BENEFITS -1_5
    xJ2W434_6       PLAN STATUS-RECEIVING REGULAR BENEFITS -1_6
    xJ2W434_7       PLAN STATUS-RECEIVING REGULAR BENEFITS -1_7
    xJ2W434_8       PLAN STATUS-RECEIVING REGULAR BENEFITS -1_8
    xJ2W434_9       PLAN STATUS-RECEIVING REGULAR BENEFITS -1_9
    xJ2W440_1       PLAN STATUS-CONVERTED TO ANNUITY -1_1
    xJ2W440_2       PLAN STATUS-CONVERTED TO ANNUITY -1_2
    xJ2W440_3       PLAN STATUS-CONVERTED TO ANNUITY -1_3
    xJ2W440_4       PLAN STATUS-CONVERTED TO ANNUITY -1_4
    xJ2W440_5       PLAN STATUS-CONVERTED TO ANNUITY -1_5
    xJ2W440_6       PLAN STATUS-CONVERTED TO ANNUITY -1_6
    xJ2W440_7       PLAN STATUS-CONVERTED TO ANNUITY -1_7
    xJ2W440_8       PLAN STATUS-CONVERTED TO ANNUITY -1_8
    xJ2W440_9       PLAN STATUS-CONVERTED TO ANNUITY -1_9
Tracker:
    xFINR               1992-2022 WHETHER FINANCIAL RESPONDENT
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Individual Income from Social Security DI or SSI

Wave	Variable	Label	Type
1	R1ISSDI	R1ISSDI:W1 Income:R SSI + SS Disability	Cont
2	R2ISSDI	R2ISSDI:W2 Income:R SSI + SS Disability	Cont
3	R3ISSDI	R3ISSDI:W3 Income:R SSI + SS Disability	Cont
4	R4ISSDI	R4ISSDI:W4 Income:R SSI + SS Disablity	Cont
5	R5ISSDI	R5ISSDI:W5 Income:R SSI + SS Disability	Cont
6	R6ISSDI	R6ISSDI:W6 Income:R SSI + SS Disability	Cont
7	R7ISSDI	R7ISSDI:W7 Income:R SSI + SS Disability	Cont
8	R8ISSDI	R8ISSDI:W8 Income:R SSI + SS Disability	Cont
9	R9ISSDI	R9ISSDI:W9 Income:R SSI + SS Disability	Cont
10	R10ISSDI	R10ISSDI:W10 Income:R SSI + SS Disability	Cont
11	R11ISSDI	R11ISSDI:W11 Income:R SSI + SS Disability	Cont
12	R12ISSDI	R12ISSDI:W12 Income:R SSI + SS Disability	Cont
13	R13ISSDI	R13ISSDI:W13 Income:R SSI + SS Disability	Cont
14	R14ISSDI	R14ISSDI:W14 Income:R SSI + SS Disability	Cont
15	R15ISSDI	R15ISSDI:W15 Income:R SSI + SS Disability	Cont
16	R16ISSDI	R16ISSDI:W16 Income:R SSI + SS Disability	Cont
1	S1ISSDI	S1ISSDI:W1 Income:Sp SSI + SS Disability	Cont
2	S2ISSDI	S2ISSDI:W2 Income:Sp SSI + SS Disability	Cont
3	S3ISSDI	S3ISSDI:W3 Income:Sp SSI + SS Disability	Cont
4	S4ISSDI	S4ISSDI:W4 Income:Sp SSI + SS Disablity	Cont
5	S5ISSDI	S5ISSDI:W5 Income:Sp SSI + SS Disability	Cont
6	S6ISSDI	S6ISSDI:W6 Income:Sp SSI + SS Disability	Cont
7	S7ISSDI	S7ISSDI:W7 Income:Sp SSI + SS Disability	Cont
8	S8ISSDI	S8ISSDI:W8 Income:Sp SSI + SS Disability	Cont
9	S9ISSDI	S9ISSDI:W9 Income:Sp SSI + SS Disability	Cont
10	S10ISSDI	S10ISSDI:W10 Income:Sp SSI + SS Disability	Cont
11	S11ISSDI	S11ISSDI:W11 Income:Sp SSI + SS Disability	Cont
12	S12ISSDI	S12ISSDI:W12 Income:Sp SSI + SS Disability	Cont
13	S13ISSDI	S13ISSDI:W13 Income:Sp SSI + SS Disability	Cont
14	S14ISSDI	S14ISSDI:W14 Income:Sp SSI + SS Disability	Cont
15	S15ISSDI	S15ISSDI:W15 Income:Sp SSI + SS Disability	Cont
16	S16ISSDI	S16ISSDI:W16 Income:Sp SSI + SS Disability	Cont
1	R1IFSSDI	R1IFSSDI:W1 ImpFlag:R SSI + SS Disability	Categ
2	R2IFSSDI	R2IFSSDI:W2 ImpFlag:R SSI + SS Disability	Categ
3	R3IFSSDI	R3IFSSDI:W3 ImpFlag:R SSI + SS Disability	Categ
4	R4IFSSDI	R4IFSSDI:W4 ImpFlag:R SSI + SS Disablity	Categ
5	R5IFSSDI	R5IFSSDI:W5 ImpFlag:R SSI + SS Disability	Categ
6	R6IFSSDI	R6IFSSDI:W6 ImpFlag:R SSI + SS Disability	Categ
7	R7IFSSDI	R7IFSSDI:W7 ImpFlag:R SSI + SS Disability	Categ
8	R8IFSSDI	R8IFSSDI:W8 ImpFlag:R SSI + SS Disability	Categ
9	R9IFSSDI	R9IFSSDI:W9 ImpFlag:R SSI + SS Disability	Categ
10	R10IFSSDI	R10IFSSDI:W10 ImpFlag:R SSI + SS Disability	Categ
11	R11IFSSDI	R11IFSSDI:W11 ImpFlag:R SSI + SS Disability	Categ
12	R12IFSSDI	R12IFSSDI:W12 ImpFlag:R SSI + SS Disability	Categ
13	R13IFSSDI	R13IFSSDI:W13 ImpFlag:R SSI + SS Disability	Categ
14	R14IFSSDI	R14IFSSDI:W14 ImpFlag:R SSI + SS Disability	Categ
15	R15IFSSDI	R15IFSSDI:W15 ImpFlag:R SSI + SS Disability	Categ
16	R16IFSSDI	R16IFSSDI:W16 ImpFlag:R SSI + SS Disability	Categ
1	S1IFSSDI	S1IFSSDI:W1 ImpFlag:Sp SSI + SS Disability	Categ
2	S2IFSSDI	S2IFSSDI:W2 ImpFlag:Sp SSI + SS Disability	Categ
3	S3IFSSDI	S3IFSSDI:W3 ImpFlag:Sp SSI + SS Disability	Categ
4	S4IFSSDI	S4IFSSDI:W4 ImpFlag:Sp SSI + SS Disablty	Categ
5	S5IFSSDI	S5IFSSDI:W5 ImpFlag:Sp SSI + SS Disability	Categ
6	S6IFSSDI	S6IFSSDI:W6 ImpFlag:Sp SSI + SS Disability	Categ
7	S7IFSSDI	S7IFSSDI:W7 ImpFlag:Sp SSI + SS Disability	Categ
8	S8IFSSDI	S8IFSSDI:W8 ImpFlag:Sp SSI + SS Disability	Categ
9	S9IFSSDI	S9IFSSDI:W9 ImpFlag:Sp SSI + SS Disability	Categ
10	S10IFSSDI	S10IFSSDI:W10 ImpFlag:Sp SSI + SS Disability	Categ
11	S11IFSSDI	S11IFSSDI:W11 ImpFlag:Sp SSI + SS Disability	Categ
12	S12IFSSDI	S12IFSSDI:W12 ImpFlag:Sp SSI + SS Disability	Categ
13	S13IFSSDI	S13IFSSDI:W13 ImpFlag:Sp SSI + SS Disability	Categ
14	S14IFSSDI	S14IFSSDI:W14 ImpFlag:Sp SSI + SS Disability	Categ
15	S15IFSSDI	S15IFSSDI:W15 ImpFlag:Sp SSI + SS Disability	Categ

16	S16IFSSDI	S16IFSSDI:W16 ImpFlag:Sp SSI + SS Disability	Categ
1	R1ISDI	R1ISDI:W1 IncPart-SocSec DI	Cont
2	R2ISDI	R2ISDI:W2 IncPart-SocSec DI	Cont
3	R3ISDI	R3ISDI:W3 IncPart-SocSec DI	Cont
4	R4ISDI	R4ISDI:W4 IncPart-SocSec DI	Cont
5	R5ISDI	R5ISDI:W5 IncPart-SocSec DI	Cont
6	R6ISDI	R6ISDI:W6 IncPart-SocSec DI	Cont
7	R7ISDI	R7ISDI:W7 IncPart-SocSec DI	Cont
8	R8ISDI	R8ISDI:W8 IncPart-SocSec DI	Cont
9	R9ISDI	R9ISDI:W9 IncPart-SocSec DI	Cont
10	R10ISDI	R10ISDI:W10 IncPart-SocSec DI	Cont
11	R11ISDI	R11ISDI:W11 IncPart-SocSec DI	Cont
12	R12ISDI	R12ISDI:W12 IncPart-SocSec DI	Cont
13	R13ISDI	R13ISDI:W13 IncPart-SocSec DI	Cont
14	R14ISDI	R14ISDI:W14 IncPart-SocSec DI	Cont
15	R15ISDI	R15ISDI:W15 IncPart-SocSec DI	Cont
16	R16ISDI	R16ISDI:W16 IncPart-SocSec DI	Cont
1	S1ISDI	S1ISDI:W1 IncPart-SocSec DI	Cont
2	S2ISDI	S2ISDI:W2 IncPart-SocSec DI	Cont
3	S3ISDI	S3ISDI:W3 IncPart-SocSec DI	Cont
4	S4ISDI	S4ISDI:W4 IncPart-SocSec DI	Cont
5	S5ISDI	S5ISDI:W5 IncPart-SocSec DI	Cont
6	S6ISDI	S6ISDI:W6 IncPart-SocSec DI	Cont
7	S7ISDI	S7ISDI:W7 IncPart-SocSec DI	Cont
8	S8ISDI	S8ISDI:W8 IncPart-SocSec DI	Cont
9	S9ISDI	S9ISDI:W9 IncPart-SocSec DI	Cont
10	S10ISDI	S10ISDI:W10 IncPart-SocSec DI	Cont
11	S11ISDI	S11ISDI:W11 IncPart-SocSec DI	Cont
12	S12ISDI	S12ISDI:W12 IncPart-SocSec DI	Cont
13	S13ISDI	S13ISDI:W13 IncPart-SocSec DI	Cont
14	S14ISDI	S14ISDI:W14 IncPart-SocSec DI	Cont
15	S15ISDI	S15ISDI:W15 IncPart-SocSec DI	Cont
16	S16ISDI	S16ISDI:W16 IncPart-SocSec DI	Cont
1	R1IFSDI	R1IFSDI:W1 ImpFlag-SocSec DI	Categ
2	R2IFSDI	R2IFSDI:W2 ImpFlag-SocSec DI	Categ
3	R3IFSDI	R3IFSDI:W3 ImpFlag-SocSec DI	Categ
4	R4IFSDI	R4IFSDI:W4 ImpFlag-SocSec DI	Categ
5	R5IFSDI	R5IFSDI:W5 ImpFlag-SocSec DI	Categ
6	R6IFSDI	R6IFSDI:W6 ImpFlag-SocSec DI	Categ
7	R7IFSDI	R7IFSDI:W7 ImpFlag-SocSec DI	Categ
8	R8IFSDI	R8IFSDI:W8 ImpFlag-SocSec DI	Categ
9	R9IFSDI	R9IFSDI:W9 ImpFlag-SocSec DI	Categ
10	R10IFSDI	R10IFSDI:W10 ImpFlag-SocSec DI	Categ
11	R11IFSDI	R11IFSDI:W11 ImpFlag-SocSec DI	Categ
12	R12IFSDI	R12IFSDI:W12 ImpFlag-SocSec DI	Categ
13	R13IFSDI	R13IFSDI:W13 ImpFlag-SocSec DI	Categ
14	R14IFSDI	R14IFSDI:W14 ImpFlag-SocSec DI	Categ
15	R15IFSDI	R15IFSDI:W15 ImpFlag-SocSec DI	Categ
16	R16IFSDI	R16IFSDI:W16 ImpFlag-SocSec DI	Categ
1	S1IFSDI	S1IFSDI:W1 ImpFlag-SocSec DI	Categ
2	S2IFSDI	S2IFSDI:W2 ImpFlag-SocSec DI	Categ
3	S3IFSDI	S3IFSDI:W3 ImpFlag-SocSec DI	Categ
4	S4IFSDI	S4IFSDI:W4 ImpFlag-SocSec DI	Categ
5	S5IFSDI	S5IFSDI:W5 ImpFlag-SocSec DI	Categ
6	S6IFSDI	S6IFSDI:W6 ImpFlag-SocSec DI	Categ
7	S7IFSDI	S7IFSDI:W7 ImpFlag-SocSec DI	Categ
8	S8IFSDI	S8IFSDI:W8 ImpFlag-SocSec DI	Categ
9	S9IFSDI	S9IFSDI:W9 ImpFlag-SocSec DI	Categ
10	S10IFSDI	S10IFSDI:W10 ImpFlag-SocSec DI	Categ
11	S11IFSDI	S11IFSDI:W11 ImpFlag-SocSec DI	Categ
12	S12IFSDI	S12IFSDI:W12 ImpFlag-SocSec DI	Categ
13	S13IFSDI	S13IFSDI:W13 ImpFlag-SocSec DI	Categ
14	S14IFSDI	S14IFSDI:W14 ImpFlag-SocSec DI	Categ
15	S15IFSDI	S15IFSDI:W15 ImpFlag-SocSec DI	Categ
16	S16IFSDI	S16IFSDI:W16 ImpFlag-SocSec DI	Categ
2	H2ISSI	H2ISSI:W2 IncPart-SSI Inc	Cont
3	H3ISSI	H3ISSI:W3 IncPart-SSI Inc	Cont

4	H4ISSI	H4ISSI:W4 IncPart-SSI Inc	Cont
5	H5ISSI	H5ISSI:W5 IncPart-SSI Inc	Cont
6	H6ISSI	H6ISSI:W6 IncPart-SSI Inc	Cont
7	H7ISSI	H7ISSI:W7 IncPart-SSI Inc	Cont
8	H8ISSI	H8ISSI:W8 IncPart-SSI Inc	Cont
9	H9ISSI	H9ISSI:W9 IncPart-SSI Inc	Cont
10	H10ISSI	H10ISSI:W10 IncPart-SSI Inc	Cont
11	H11ISSI	H11ISSI:W11 IncPart-SSI Inc	Cont
12	H12ISSI	H12ISSI:W12 IncPart-SSI Inc	Cont
13	H13ISSI	H13ISSI:W13 IncPart-SSI Inc	Cont
14	H14ISSI	H14ISSI:W14 IncPart-SSI Inc	Cont
15	H15ISSI	H15ISSI:W15 IncPart-SSI Inc	Cont
16	H16ISSI	H16ISSI:W16 IncPart-SSI Inc	Cont
1	R1ISSI	R1ISSI:W1 IncPart-SSI Inc	Cont
2	R2ISSI	R2ISSI:W2 IncPart-SSI Inc	Cont
3	R3ISSI	R3ISSI:W3 IncPart-SSI Inc	Cont
4	R4ISSI	R4ISSI:W4 IncPart-SSI Inc	Cont
5	R5ISSI	R5ISSI:W5 IncPart-SSI Inc	Cont
6	R6ISSI	R6ISSI:W6 IncPart-SSI Inc	Cont
7	R7ISSI	R7ISSI:W7 IncPart-SSI Inc	Cont
8	R8ISSI	R8ISSI:W8 IncPart-SSI Inc	Cont
9	R9ISSI	R9ISSI:W9 IncPart-SSI Inc	Cont
10	R10ISSI	R10ISSI:W10 IncPart-SSI Inc	Cont
11	R11ISSI	R11ISSI:W11 IncPart-SSI Inc	Cont
12	R12ISSI	R12ISSI:W12 IncPart-SSI Inc	Cont
13	R13ISSI	R13ISSI:W13 IncPart-SSI Inc	Cont
14	R14ISSI	R14ISSI:W14 IncPart-SSI Inc	Cont
15	R15ISSI	R15ISSI:W15 IncPart-SSI Inc	Cont
16	R16ISSI	R16ISSI:W16 IncPart-SSI Inc	Cont
1	S1ISSI	S1ISSI:W1 IncPart-SSI Inc	Cont
2	S2ISSI	S2ISSI:W2 IncPart-SSI Inc	Cont
3	S3ISSI	S3ISSI:W3 IncPart-SSI Inc	Cont
4	S4ISSI	S4ISSI:W4 IncPart-SSI Inc	Cont
5	S5ISSI	S5ISSI:W5 IncPart-SSI Inc	Cont
6	S6ISSI	S6ISSI:W6 IncPart-SSI Inc	Cont
7	S7ISSI	S7ISSI:W7 IncPart-SSI Inc	Cont
8	S8ISSI	S8ISSI:W8 IncPart-SSI Inc	Cont
9	S9ISSI	S9ISSI:W9 IncPart-SSI Inc	Cont
10	S10ISSI	S10ISSI:W10 IncPart-SSI Inc	Cont
11	S11ISSI	S11ISSI:W11 IncPart-SSI Inc	Cont
12	S12ISSI	S12ISSI:W12 IncPart-SSI Inc	Cont
13	S13ISSI	S13ISSI:W13 IncPart-SSI Inc	Cont
14	S14ISSI	S14ISSI:W14 IncPart-SSI Inc	Cont
15	S15ISSI	S15ISSI:W15 IncPart-SSI Inc	Cont
16	S16ISSI	S16ISSI:W16 IncPart-SSI Inc	Cont
2	H2IFSSI	H2IFSSI:W2 ImpFlag-SSI Inc	Categ
3	H3IFSSI	H3IFSSI:W3 ImpFlag-SSI Inc	Categ
4	H4IFSSI	H4IFSSI:W4 ImpFlag-SSI Inc	Categ
5	H5IFSSI	H5IFSSI:W5 ImpFlag-SSI Inc	Categ
6	H6IFSSI	H6IFSSI:W6 ImpFlag-SSI Inc	Categ
7	H7IFSSI	H7IFSSI:W7 ImpFlag-SSI Inc	Categ
8	H8IFSSI	H8IFSSI:W8 ImpFlag-SSI Inc	Categ
9	H9IFSSI	H9IFSSI:W9 ImpFlag-SSI Inc	Categ
10	H10IFSSI	H10IFSSI:W10 ImpFlag-SSI Inc	Categ
11	H11IFSSI	H11IFSSI:W11 ImpFlag-SSI Inc	Categ
12	H12IFSSI	H12IFSSI:W12 ImpFlag-SSI Inc	Categ
13	H13IFSSI	H13IFSSI:W13 ImpFlag-SSI Inc	Categ
14	H14IFSSI	H14IFSSI:W14 ImpFlag-SSI Inc	Categ
15	H15IFSSI	H15IFSSI:W15 ImpFlag-SSI Inc	Categ
16	H16IFSSI	H16IFSSI:W16 ImpFlag-SSI Inc	Categ
1	R1IFSSI	R1IFSSI:W1 ImpFlag-SSI Inc	Categ
2	R2IFSSI	R2IFSSI:W2 ImpFlag-SSI Inc	Categ
1	S1IFSSI	S1IFSSI:W1 ImpFlag-SSI Inc	Categ
2	S2IFSSI	S2IFSSI:W2 ImpFlag-SSI Inc	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1ISSDI	12652	393.94	1744.90	0.0	30000.0
R2ISSDI	19642	396.70	1961.65	0.0	128604.0
R3ISSDI	17991	453.78	2472.15	0.0	144000.0
R4ISSDI	21384	374.59	2195.88	0.0	149760.0
R5ISSDI	19578	381.11	1988.21	0.0	105816.0
R6ISSDI	18165	409.36	1976.93	0.0	51072.0
R7ISSDI	20129	415.21	2070.42	0.0	38832.0
R8ISSDI	18469	461.10	2205.11	0.0	37200.0
R9ISSDI	17217	452.29	2227.74	0.0	24000.0
R10ISSDI	22034	687.38	2934.87	0.0	50400.0
R11ISSDI	20554	711.30	3024.49	0.0	74400.0
R12ISSDI	18747	826.15	3354.36	0.0	56400.0
R13ISSDI	20912	1039.99	3888.52	0.0	95136.0
R14ISSDI	17146	972.92	4394.09	0.0	302400.0
R15ISSDI	15723	1012.82	3887.96	0.0	76800.0
R16ISSDI	15787	1315.66	4639.59	0.0	67200.0
S1ISSDI	10279	304.11	1604.95	0.0	30000.0
S2ISSDI	13674	293.05	1894.36	0.0	128604.0
S3ISSDI	12334	320.72	2247.13	0.0	132732.0
S4ISSDI	14516	280.32	1950.83	0.0	119940.0
S5ISSDI	13041	304.81	1977.97	0.0	105816.0
S6ISSDI	11859	334.10	1880.87	0.0	33600.0
S7ISSDI	13352	306.05	1891.61	0.0	38832.0
S8ISSDI	12052	366.67	2112.00	0.0	37200.0
S9ISSDI	11012	346.78	2073.11	0.0	24000.0
S10ISSDI	14237	473.75	2587.17	0.0	50400.0
S11ISSDI	13081	513.59	2728.69	0.0	74400.0
S12ISSDI	11622	589.64	3044.24	0.0	54000.0
S13ISSDI	12889	691.71	3318.04	0.0	52800.0
S14ISSDI	10463	648.77	3123.15	0.0	38424.0
S15ISSDI	9529	631.78	3200.30	0.0	63852.0
S16ISSDI	9242	722.94	3515.74	0.0	44004.0
R1IFSSDI	12652	0.09	0.36	0.0	9.0
R2IFSSDI	19642	0.13	0.48	0.0	9.0
R3IFSSDI	17991	0.14	0.60	0.0	9.0
R4IFSSDI	21384	0.11	0.40	0.0	9.0
R5IFSSDI	19578	0.10	0.37	0.0	2.0
R6IFSSDI	18165	0.10	0.35	0.0	2.0
R7IFSSDI	20129	0.09	0.34	0.0	2.0
R8IFSSDI	18469	0.10	0.35	0.0	2.0
R9IFSSDI	17217	0.09	0.34	0.0	2.0
R10IFSSDI	22034	0.14	0.44	0.0	2.0
R11IFSSDI	20554	0.13	0.41	0.0	2.0
R12IFSSDI	18747	0.14	0.42	0.0	2.0
R13IFSSDI	20912	0.17	0.46	0.0	2.0
R14IFSSDI	17146	0.18	0.49	0.0	2.0
R15IFSSDI	15723	0.19	0.52	0.0	9.0
R16IFSSDI	15787	0.21	0.54	0.0	9.0
S1IFSSDI	12652	1.56	3.11	0.0	8.0
S2IFSSDI	19642	2.50	3.65	0.0	9.0
S3IFSSDI	17991	2.58	3.69	0.0	9.0
S4IFSSDI	21384	2.63	3.70	0.0	9.0
S5IFSSDI	19578	2.74	3.76	0.0	9.0

S6IFSSDI	18165	2.83	3.78	0.0	9.0
S7IFSSDI	20129	2.76	3.77	0.0	9.0
S8IFSSDI	18469	2.84	3.79	0.0	9.0
S9IFSSDI	17217	2.94	3.82	0.0	9.0
S10IFSSDI	22034	2.96	3.81	0.0	9.0
S11IFSSDI	20554	3.01	3.83	0.0	9.0
S12IFSSDI	18747	3.15	3.86	0.0	9.0
S13IFSSDI	20912	3.24	3.88	0.0	9.0
S14IFSSDI	17146	3.31	3.89	0.0	9.0
S15IFSSDI	15723	3.33	3.89	0.0	9.0
S16IFSSDI	15787	3.52	3.92	0.0	9.0
R1ISDI	12652	259.18	1483.97	0.0	30000.0
R2ISDI	19642	243.69	1755.11	0.0	128604.0
R3ISDI	17991	285.90	2260.94	0.0	144000.0
R4ISDI	21384	192.27	1683.10	0.0	149760.0
R5ISDI	19578	223.01	1675.07	0.0	105816.0
R6ISDI	18165	259.36	1664.06	0.0	22800.0
R7ISDI	20129	254.87	1713.45	0.0	38832.0
R8ISDI	18469	296.49	1908.98	0.0	37200.0
R9ISDI	17217	279.14	1904.03	0.0	24000.0
R10ISDI	22034	474.34	2481.80	0.0	39600.0
R11ISDI	20554	487.82	2555.99	0.0	49200.0
R12ISDI	18747	574.47	2858.20	0.0	38400.0
R13ISDI	20912	720.49	3167.20	0.0	44400.0
R14ISDI	17146	626.98	2931.64	0.0	32400.0
R15ISDI	15723	643.53	3128.79	0.0	46200.0
R16ISDI	15787	836.56	3645.99	0.0	48000.0
S1ISDI	10279	232.39	1437.30	0.0	30000.0
S2ISDI	13674	230.30	1793.82	0.0	128604.0
S3ISDI	12334	248.64	2136.10	0.0	132732.0
S4ISDI	14516	179.36	1347.69	0.0	17052.0
S5ISDI	13041	238.74	1834.62	0.0	105816.0
S6ISDI	11859	272.32	1733.89	0.0	22800.0
S7ISDI	13352	236.97	1702.29	0.0	38832.0
S8ISDI	12052	294.50	1949.85	0.0	37200.0
S9ISDI	11012	270.65	1904.30	0.0	23520.0
S10ISDI	14237	371.18	2272.52	0.0	39600.0
S11ISDI	13081	409.27	2455.18	0.0	49200.0
S12ISDI	11622	452.32	2656.35	0.0	38400.0
S13ISDI	12889	518.83	2816.28	0.0	44400.0
S14ISDI	10463	457.92	2577.89	0.0	31200.0
S15ISDI	9529	454.16	2692.92	0.0	42000.0
S16ISDI	9242	520.47	2962.96	0.0	39600.0
R1IFSDI	12652	5.82	0.92	1.0	9.0
R2IFSDI	19642	5.87	0.85	1.0	9.0
R3IFSDI	17991	5.83	0.93	1.0	9.0
R4IFSDI	21384	5.88	0.75	1.0	9.0
R5IFSDI	19578	5.88	0.76	1.0	6.0
R6IFSDI	18165	5.86	0.81	1.0	6.0
R7IFSDI	20129	5.87	0.80	1.0	6.0
R8IFSDI	18469	5.86	0.81	1.0	7.0
R9IFSDI	17217	5.88	0.77	1.0	7.0
R10IFSDI	22034	5.79	1.00	1.0	7.0
R11IFSDI	20554	5.78	1.01	1.0	7.0
R12IFSDI	18747	5.77	1.04	1.0	6.0
R13IFSDI	20912	5.71	1.17	1.0	7.0

R14IFSDI	17146	5.73	1.11	1.0	7.0
R15IFSDI	15723	5.77	1.03	1.0	9.0
R16IFSDI	15787	5.72	1.14	1.0	9.0
S1IFSDI	12652	6.25	1.14	1.0	8.0
S2IFSDI	19642	6.53	1.18	1.0	9.0
S3IFSDI	17991	6.53	1.22	1.0	9.0
S4IFSDI	21384	6.57	1.14	1.0	9.0
S5IFSDI	19578	6.59	1.19	1.0	9.0
S6IFSDI	18165	6.60	1.23	1.0	9.0
S7IFSDI	20129	6.60	1.17	1.0	9.0
S8IFSDI	18469	6.61	1.20	1.0	9.0
S9IFSDI	17217	6.65	1.18	1.0	9.0
S10IFSDI	22034	6.62	1.26	1.0	9.0
S11IFSDI	20554	6.64	1.27	1.0	9.0
S12IFSDI	18747	6.67	1.28	1.0	9.0
S13IFSDI	20912	6.68	1.33	1.0	9.0
S14IFSDI	17146	6.71	1.31	1.0	9.0
S15IFSDI	15723	6.73	1.27	1.0	9.0
S16IFSDI	15787	6.77	1.29	1.0	9.0
H2ISSI	8222	208.19	1044.48	0.0	28578.0
H3ISSI	17991	217.31	1139.95	0.0	22270.0
H4ISSI	21384	250.85	1764.32	0.0	119940.0
H5ISSI	19578	202.10	1160.55	0.0	35000.0
H6ISSI	18165	190.34	1175.67	0.0	51072.0
H7ISSI	20129	206.16	1231.98	0.0	37200.0
H8ISSI	18469	211.70	1238.67	0.0	20400.0
H9ISSI	17217	221.84	1332.71	0.0	21564.0
H10ISSI	22034	279.31	1573.22	0.0	25200.0
H11ISSI	20554	289.87	1688.78	0.0	72000.0
H12ISSI	18747	336.81	1857.15	0.0	56400.0
H13ISSI	20912	426.05	2214.15	0.0	85668.0
H14ISSI	17146	462.40	3300.85	0.0	302400.0
H15ISSI	15723	476.94	2314.33	0.0	46800.0
H16ISSI	15787	597.63	2785.97	0.0	57600.0
R1ISSI	12652	134.76	882.63	0.0	16800.0
R2ISSI	19642	153.01	871.01	0.0	16152.0
R3ISSI	17991	167.89	938.51	0.0	22270.0
R4ISSI	21384	182.32	1347.17	0.0	119940.0
R5ISSI	19578	158.10	983.07	0.0	35000.0
R6ISSI	18165	150.00	997.48	0.0	51072.0
R7ISSI	20129	160.34	1039.40	0.0	37200.0
R8ISSI	18469	164.61	1039.51	0.0	20400.0
R9ISSI	17217	173.15	1130.56	0.0	21564.0
R10ISSI	22034	213.04	1326.99	0.0	25200.0
R11ISSI	20554	223.47	1460.05	0.0	72000.0
R12ISSI	18747	251.68	1536.89	0.0	56400.0
R13ISSI	20912	319.50	1834.81	0.0	85668.0
R14ISSI	17146	345.94	3045.97	0.0	302400.0
R15ISSI	15723	369.29	1957.35	0.0	46800.0
R16ISSI	15787	479.10	2416.18	0.0	48000.0
S1ISSI	10279	71.71	670.09	0.0	16800.0
S2ISSI	13674	62.75	592.20	0.0	16152.0
S3ISSI	12334	72.08	657.12	0.0	19603.6
S4ISSI	14516	100.96	1325.07	0.0	119940.0
S5ISSI	13041	66.06	652.03	0.0	15600.0

S6ISSI	11859	61.78	619.51	0.0	16800.0
S7ISSI	13352	69.08	689.50	0.0	17520.0
S8ISSI	12052	72.17	716.94	0.0	20400.0
S9ISSI	11012	76.13	780.00	0.0	21564.0
S10ISSI	14237	102.57	949.26	0.0	25200.0
S11ISSI	13081	104.32	921.92	0.0	25200.0
S12ISSI	11622	137.32	1201.10	0.0	28800.0
S13ISSI	12889	172.88	1336.45	0.0	26400.0
S14ISSI	10463	190.85	1416.41	0.0	36000.0
S15ISSI	9529	177.62	1383.89	0.0	30852.0
S16ISSI	9242	202.47	1527.79	0.0	30000.0
H2IFSSI	8222	5.68	1.26	1.0	9.0
H3IFSSI	17991	5.76	1.14	1.0	9.0
H4IFSSI	21384	5.77	1.16	1.0	9.0
H5IFSSI	19578	5.79	1.09	1.0	9.0
H6IFSSI	18165	5.80	1.02	1.0	9.0
H7IFSSI	20129	5.81	1.03	1.0	9.0
H8IFSSI	18469	5.80	1.02	1.0	9.0
H9IFSSI	17217	5.81	1.01	1.0	9.0
H10IFSSI	22034	5.85	1.11	1.0	9.0
H11IFSSI	20554	5.80	1.09	1.0	9.0
H12IFSSI	18747	5.80	1.12	1.0	9.0
H13IFSSI	20912	5.80	1.20	1.0	9.0
H14IFSSI	17146	5.80	1.24	1.0	9.0
H15IFSSI	15723	5.83	1.24	1.0	9.0
H16IFSSI	15787	5.80	1.29	1.0	9.0
R1IFSSI	12652	5.89	0.86	1.0	9.0
R2IFSSI	11420	5.90	0.90	1.0	9.0
S1IFSSI	12652	6.34	1.00	1.0	9.0
S2IFSSI	11420	6.38	1.00	1.0	9.0

Categorical Variable Codes

RwIFSSDI: ImpFlag:R SSI + SS Disability

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	11715	17699	16234	19472	17921	16695	18564	16998	15895	19624
1.No imputations	721	1347	1390	1437	1259	1140	1229	1165	1030	1626
2.Some imputation	214	581	315	471	398	330	336	306	292	784
9.No Fin resp	2	15	52	4						

Value	w11	w12	w13	w14	w15	w16
0.No income	18438	16736	18216	14837	13587	13430
1.No imputations	1576	1490	1895	1534	1266	1454
2.Some imputation	540	521	801	775	869	900
9.No Fin resp					1	3

SwIFSSDI: ImpFlag:Sp SSI + SS Disability

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	9678	12710	11463	13512	12203	11128	12582	11318	10364	12953
1.No imputations	426	590	675	659	600	547	579	568	496	761
2.Some imputation	175	369	174	344	190	170	142	139	119	380
8.No Sp/part->no incm	2373	5968	5657	6868	6537	6306	6777	6417	6205	7797
9.No Fin resp		5	22	1	48	14	49	27	33	143

Value	w11	w12	w13	w14	w15	w16
0.No income	11996	10623	11515	9274	8440	8133
1.No imputations	725	665	832	667	528	536
2.Some imputation	266	241	316	307	388	363
8.No Sp/part->no incm	7473	7125	8023	6683	6194	6545
9.No Fin resp	94	93	226	215	173	210

RwIFSDI: ImpFlag-SocSec DI

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	444	571	605	466	455	478	520	493	410	911
2.Complete bracket			28	29	19	23	12	11	5	12
3.Incomplete bracket			8	5	2	2	1	4	4	3
5.No value/bracket	47	56	32	18	31	44	26	27	20	58
6.No income	12157	18759	17243	20859	19071	17618	19570	17933	16776	21046
7.DK if income	2	241	23	3				1	2	4
9.No Fin resp	2	15	52	4						

Value	w11	w12	w13	w14	w15	w16
1.Continuous value	869	836	1187	878	689	842
2.Complete bracket	17	20	29	22	20	23
3.Incomplete bracket	3	5	7	6	3	7
5.No value/bracket	41	36	71	57	61	71
6.No income	19620	17850	19615	16181	14948	14809
7.DK if income	4		3	2	1	32
9.No Fin resp					1	3

SwIFSDI: ImpFlag-SocSec DI

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	307	348	347	284	302	324	298	308	245	444
2.Complete bracket			16	22	16	21	7	4	2	5
3.Incomplete bracket			2	4	2	2	1	4	1	3
5.No value/bracket	33	37	14	10	27	30	16	16	13	27
6.No income	9939	13120	11919	14195	12645	11465	12971	11690	10711	13597
7.DK if income		164	14		1	3	10	3	7	18
8.No spouse/partner	2373	5968	5657	6868	6537	6306	6777	6417	6205	7797
9.No Fin resp		5	22	1	48	14	49	27	33	143

Value	w11	w12	w13	w14	w15	w16
1.Continuous value	427	389	501	371	295	304
2.Complete bracket	6	7	6	7	3	7
3.Incomplete bracket		1	2	1		1
5.No value/bracket	22	17	30	20	24	20
6.No income	12500	11093	12105	9837	9016	8671
7.DK if income	32	22	19	12	18	29
8.No spouse/partner	7473	7125	8023	6683	6194	6545
9.No Fin resp	94	93	226	215	173	210

RwIFSSI: ImpFlag-SSI Inc

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		8222								
1.Continuous value	347	324								
5.No value/bracket	29	17								
6.No income	12133	10858								
7.DK if income	48	97								
9.No Fin resp	95	124								

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
1.Continuous value						
5.No value/bracket						
6.No income						
7.DK if income						
9.No Fin resp						

SwIFSSI: ImpFlag-SSI Inc

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		4549								
.U=Unmarried		3673								
1.Continuous value	147	114								
5.No value/bracket	12	8								
6.No income	9988	8846								
7.DK if income	37	57								
8.No spouse/partner	2373	2295								
9.No Fin resp	95	100								

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
.U=Unmarried						
1.Continuous value						
5.No value/bracket						
6.No income						
7.DK if income						
8.No spouse/partner						
9.No Fin resp						

HwIFSSI: ImpFlag-SSI Inc

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		11420								
1.Continuous value		548	906	1067	876	722	804	743	674	926
2.Complete bracket			43	79	48	56	53	45	34	36
3.Incomplete bracket			2	8	3	8	3	5	4	8
5.No value/bracket		38	79	54	52	50	45	47	42	64
6.No income		7477	16781	19886	18346	17171	19023	17455	16279	20384
7.DK if income		149	54	83	116	113	112	109	109	198
9.No Fin resp		10	126	207	137	45	89	65	75	418

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
1.Continuous value	886	850	1056	890	759	868
2.Complete bracket	64	70	59	71	85	70
3.Incomplete bracket	10	8	6	8	4	7
5.No value/bracket	77	34	64	61	80	80
6.No income	19181	17420	19133	15543	14162	14106
7.DK if income	165	166	219	184	201	226
9.No Fin resp	171	199	375	389	432	430

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document. Unless otherwise noted, income variables refer to income received last calendar year.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

RwISSDI is the sum of the Respondent's income from Social Security disability (SDI) and Supplemental Security income (SSI) in the last calendar year. SSI income is always included in the sum, but Social Security income is only included in the sum if it is received due to disability. Income from SDI and SSI are available separately in RwISDI and RwISSI, respectively. RwISSDI is equal to the sum of RwISDI and RwISSI. In Wave 2 forward, the household SSI income amount is also available as HwISSI.

RwIFSSDI is a flag that indicates whether any components are imputed in the combined measure. RwIFSDI and RwIFSSI (available in Waves 1 and 2) and HwIFSSI (available in Wave 2 forward) characterize whether these components are imputed, and if so, how much information is available to impute from.

SwISSDI, SwISDI, SwISSI, SwIFSSDI, SwIFSDI and SwIFSSI are the analogous spouse values.

In Waves 1 and 2H, SSI income is reported individually. In Wave 2A and from Wave 3 forward, it is reported for the household. In a single household, it is assigned to the Respondent. In couple households in Waves 2A and 3A, the household amount is split evenly between the Respondent and spouse. That is, RwISSI is the same as SwISSI, and both are equal to household SSI divided by two (RwISSI = SwISSI = SSI / 2). In couple households in Waves 3H forward, it is allocated to the Respondent and/or spouse using an HRS Core Interview variable indicating who received income from SSI. If that variable is missing or indicates both Respondent and spouse jointly received income from SSI, the household amount is split evenly between the Respondent and spouse. RwISSI and SwISSI reflect the last calendar year (LCY) amounts allocated to Respondent and spouse, respectively.

In Waves 1, 2, and 3A, the type of Social Security income received is asked. The type can be retirement, disability, survivor benefits, dependent of retired, dependent of disabled or other, and Respondents can name up to two different types. The total Social Security income amount is reported, rather than separated by types received. Therefore, we decided that if a person reports receiving disability income, even if they also report getting another type of income from Social Security, the amount they indicated would be considered disability income. In Wave 1, if a joint check is received, the type is not asked and is assumed to be retirement income unless disability income is otherwise indicated. From Wave 3H forward, the type of Social Security income is not distinguished in the HRS income section. Instead, variables from the disability section indicating whether each Respondent receives Social Security disability are used to determine whether Social Security reported in the income section is disability income.

In Waves 1 and 2H and from Wave 3H forward, we incorporated logic that examines the ages of Respondents and spouses. For those who have reached full retirement age at the time of the interview and receive Social Security disability income, we override the disability income and assign it instead as retirement income. This is based on the notion that disability benefits automatically convert to retirement benefits at full retirement age.

In Wave 1, the questions ask the annual amount of Social Security and SSI received in 1991. From Wave 2 forward, a monthly amount is asked. For Social Security, the first month received is also asked. Beginning in Wave 2H, the SSI questions ask which months since last interview SSI was received. The variable derivation multiplies the monthly amount appropriately to calculate a yearly amount.

Cross Wave Differences in Original HRS Data

The way the Social Security and Supplemental Security Income questions are asked varies across waves.

In Wave 1, the questions ask the annual amount of Social Security and SSI received in 1991. In Wave 1 and Wave 2A, if the Respondent and spouse received a joint check for Social Security, only one amount is asked; if they received separate checks, amounts are asked for each individual. From Wave 2 forward, a monthly amount is asked. For Social Security, the first month received is also asked. Beginning in Wave 2H, the SSI questions ask which months since last interview SSI was received.

From Wave 3 forward, if the Respondent refuses or does not know the value of monthly Social Security or Supplemental Security income, a series of unfolding bracket questions are asked. The bracket amounts for Social Security income change in Wave 5 but otherwise are the same across waves. The exception to this is in Wave 3A, where the bracket amounts are based on the last year rather than the last month. In Waves 1 and 2, no unfolding bracket questions are asked.

From Wave 7 forward, the disability section collected data on whether a previous SSDI benefit had since converted to a retirement

benefit. These reports helped determine whether the type of Social Security income being received was for retirement or disability. For Respondents who reported a conversion, we added logic to check whether they had reached full retirement age before designating them as receiving Social Security retirement income. Due to a change to the Wave 16 question sequence in the HRS disability section, fewer raw variables were needed to determine whether reports in the income section were about Social Security disability or retirement benefits.

Because of the differences in the way income information was collected for the HRS and AHEAD samples in Wave 2, the income component imputation flags that apply vary, depending on the entry cohort of the Respondent. For AHEAD entry cohort Respondents, R2IFSSI and S2IFSSI are set to .Q to indicate that the corresponding income components are not available in Wave 2A. For HRS entry cohort Respondents, H2IFSSI is set to .Q to indicate that the corresponding income components are not available in Wave 2.

HRS Variables Used

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HRS 1992:
    V15801          N28:RECV SSI IN 1991:IND
    V15802          N28A:WHO RECEIVED SS:IND
    V15803          N29 SSI:R1 REC91IND :IND
    V15823          N33 SSI:R2 REC91IND :IND
    V16001          N41:SS:RCV SOC SEC I:IND
    V16003          N41B:SS:  AMT RECD I:IND
    V16012          N42A:SS:R1:  AMT REC:IND
    V16021          N42A:SS:R2  AMT RECV:IND
    V16030          N43A:SS:R1:  AMT REC:IND
    V16107          N44A:SS:R2  AMT RECV:IND
    V5801           N28:RECV SSI IN 1991:IMP
    V5802           N28A:WHO RECEIVED SS:IMP
    V5803           N29:SSI:R1$AMT RECV :IMP
    V5804           N29:SSI:R1RECEIVED P:IMP
    V5823           N33:SSI:R2 AMT RECV :IMP
    V5824           N33:SSI:R2RECEIVED P:IMP
    V6001           N41:SS:RCV SOC SEC I:IMP
    V6002           N41A:SS:1CHK/SEPARATE CK
    V6003           N41B:SS:  AMT RECVD :IMP
    V6007           N42:SS:R1DISABILITY
    V6012           N42A:SS:R1  AMT RECV:IMP
    V6016           N42:SS:R2DISABILITY
    V6021           N42A:SS:R2  AMT RECV:IMP
    V6025           N43:SS:R1DISABILITY
    V6030           N43A:SS:R1  AMT RECV:IMP
    V6102           N44:SS:R2DISABILITY
    V6107           N44A:SS:R2  AMT RECV:IMP
AHEAD 1993:
    B1376           J1. SS: RECEIVE ANY
    B1377           J1a. SS: 1 OR 2 CHECKS
    B1378           J2. SS: R TYPE
    B1379           J2b. SS: R $ LAST MONTH
    B1381           J2d. SS: R START MONTH
    B1382           J2e. SS: R START YEAR
    B1389           J3. SS: SP TYPE
    B1390           J3a. SS: SP $ LAST MONTH
    B1392           J3c. SS: SP START MONTH
    B1393           J3d. SS: SP START YEAR
    B1413           J6. SSI: RECEIVE ANY LAST MONTH
    B1414           J7. SSI: $ LAST MONTH
    B1415           J8. SSI: START >2YRS AGO
    B1416           J8a. SSI: START MONTH
    B1417           J8b. SSI: START YEAR
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    B1418           J9. SSI: RECEIVE ANY 1992/3
    B1419           J10. SSI: LAST MONTH RECD 1992/3
    B1420           J10a. SSI: LAST YEAR RECD 1992/3
    B1421           J11. SSI: $ LAST MONTH 1992/3
HRS 1994:
    W16204          N22d. Imputation flag
    W16253          N23. Imputation flag
    W16254          N23a. Imputation flag
    W16260          N23c. Imputation flag
    W16268          N23g. Imputation flag
    W6157           N22.SUPPLEMENTAL SECURIT
    W6158           N22a.WHO RECEIVED SSI
    W6159           N22b.WHICH MONTHS
    W6160           N22b.START/STOP RECEIVIN
    W6161           N22b.START/STOP RECEIVIN
    W6174           N22c. Jan 1993
    W6175           N22c. Feb 1993
    W6176           N22c. Mar 1993
    W6177           N22c. Apr 1993
    W6178           N22c. May 1993
    W6179           N22c. Jun 1993
    W6180           N22c. Jul 1993
    W6181           N22c. Aug 1993
    W6182           N22c. Sep 1993
    W6183           N22c. Oct 1993
    W6184           N22c. Nov 1993
    W6185           N22c. Dec 1993
    W6199           N22c. All of 1993
    W6201           N22c. Other
    W6202           N22c. DK
    W6203           N22c. RF
    W6204           N22d.AMT SSI LAST MONTH
    W6205           N22e.AMT SSI LAST MONTH
    W6206           N22f.SP-WHICH MONTHS
    W6207           N22f.SP-START/STOP RECEI
    W6208           N22f.SP-START/STOP RECEI
    W6221           N22g. Jan 1993
    W6222           N22g. Feb 1993
    W6223           N22g. Mar 1993
    W6224           N22g. Apr 1993
    W6225           N22g. May 1993
    W6226           N22g. Jun 1993
    W6227           N22g. Jul 1993
    W6228           N22g. Aug 1993
    W6229           N22g. Sep 1993
    W6230           N22g. Oct 1993
    W6231           N22g. Nov 1993
    W6232           N22g. Dec 1993
    W6248           N22g. Other
    W6249           N22g. DK
    W6250           N22g. RF
    W6251           N22h.SP-AMT SSI LAST MON
    W6252           N22k.SP-AMT SSI LAST MON
    W6253           N23.SOCIAL SECURITY?
    W6254           N23a.WHO RECEIVED SOCIAL
    W6255           N23b.TYPE SOCIAL SECURIT
    W6256           N23b.TYPE SOCIAL SECURIT
    W6260           N23c.AMT SS LAST MONTH
    W6261           N23e.START RECEIVING SS-
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    W6262           N23e.START RECEIVING SS-
    W6263           N23f.SP-TYPE SOCIAL SECU
    W6264           N23f.SP-TYPE SOCIAL SECU
    W6268           N23g.SP-AMT SS LAST MONT
    W6269           N23h.SP-START RECEIVING
    W6270           N23h.SP-START RECEIVING
AHEAD 1995:
    D3875           J1.RECEIVE SOC SEC
    D3877M1         J2.R TYPE SOC SEC
    D3877M2         J2.R TYPE SOC SEC
    D3878           J3.AMT SOC SEC LAST MNTH
    D3879           J3A.AMT SS R DK-1
    D3880           J3B.AMT SS R DK-2
    D3881           J3C.AMT SS R DK-3
    D3883           J4A.MONTH START SOC SEC
    D3884           J4A.YEAR START SOC SEC
    D3885           J5.SP REC SS
    D3886M1         J5A.SP TYPE SOC SEC
    D3886M2         J5A.SP TYPE SOC SEC
    D3888           J6.AMT SOC SEC LAST MNTH SP/PT
    D3889           J6A.AMT SS S DK-1
    D3890           J6B.AMT SS S DK-2
    D3891           J6C.AMT SS S DK-3
    D3893           J7A.MONTH START SOC SEC SP/PT
    D3894           J7B.YEAR START SOC SEC SP/PT
    D3911           J10. SSI-MONTH
    D3912           J11. SSI $
    D3913           J11A.AMT SS R DK-1
    D3914           J11B.AMT SS R DK-2
    D3915           J11C.AMT SS R DK-3
    D3917           J11E. SSI-MONTH
    D3918           J11F. SSI
HRS 1996:
    E3580           GD18. RECEIVE SSD/SSI
    E3582           GD18B. SS STOP-YR
    E3606           GD26F1. SS RECEIVE-YR
    E3614           GD26J. SS-STILL RECEIVING
    E3616           GD26K1. SS STOP-YR
    E3983           J45.SOC SEC INCOME
    E3984           J46.WHO RECEIVE SOC SEC INCOME
    E3985           J47.R AMT RECVD SS LAST MO
    E3986           J47A.R $ RECVD SS LAST MO DK-1K
    E3987           J47B.R $ RECVD SS LAST MO DK-1.5K
    E3989           J47D.R $ RECVD SS LAST MO DK-500
    E3990           J48.R RECV SS BENEFITS START YEAR
    E3991           J49.SS BENEFITS START MONTH
    E3996           J50A1.SP HOW MUCH SS BENEFITS
    E3997           J50A2.SP $ SS BENEFITS DK-1K
    E3998           J50A3.SP $ SS BENEFITS DK-1.5K
    E4000           J50A5.SP $ SS BENEFITS DK-500
    E4001           J50B1.SP BENEFITS START - YEAR
    E4002           J50B2.SP BENEFITS START - MONTH
    E4021           J59.R/S SSI-LAST MONTH
    E4022           J60.WHO RECEIVED SSI
    E4023           J61.R/S SSI $
    E4024           J61A.R/S SSI $ DK-500
    E4025           J61B.R/S SSI $ DK-750
    E4026           J61C.R/S SSI $ DK-250
    E4027           J62.SSI START YEAR
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    E4028           J62B.SSI START MONTH
HRS 1998:
    F272            PREV WAVE R REC SS
    F273            PREV WAVE S/P REC SS
    F274            PREV WAVE SSI
    F4088           GD18. RECEIVE SSD/SSI
    F4090           GD18B. SS STOP-YR
    F4135           GD26F1. SS RECEIVE-YR
    F4139           GD26J. SS-STILL RECEIVING
    F4141           GD26K1. SS STOP-YR
    F4498           GJ123F1.SS AWARDED - YEAR
    F4502           GJ123J.STILL RECEIVING BENEFITS
    F4504           GJ123K1.BENEFITS STOPPED - YEAR
    F4743           J45.SOC SEC INCOME
    F4744           J46.WHO RECEIVE SOC SEC INCOME
    F4745           J47.R AMT RECVD SS LAST MO
    F4746           J47A.R DK-1K
    F4747           J47B.R DK-1,500
    F4749           J47D.R DK-500
    F4750           J48.R SS BENEFITS START YEAR
    F4751           J49.R SS BENEFITS START MONTH
    F4756           J50A1.SP HOW MUCH SS BENEFITS
    F4757           J50A2.SP DK-1K
    F4758           J50A3.SP DK-1,500
    F4760           J50A5.SP DK-500
    F4761           J50B1.SP SS BENEFITS START YEAR
    F4762           J50B2.SP SS BENEFITS START MONTH
    F4781           J59.R/S SSI-LAST MONTH
    F4782           J60.WHO RECEIVED SSI
    F4783           J61.R/S SSI $
    F4784           J61A.R/S AMT SS R DK-500
    F4785           J61B.AMT SS R DK-750
    F4786           J61C.AMT SS R DK-250
    F4787           J62.SSI START YEAR
    F4788           J62B.SSI START MONTH
HRS 2000:
    G272            PR272.PREV WAVE R REC SS
    G273            PR273.PREV WAVE S/P REC SS
    G274            PR274.PREV WAVE SSI
    G4374           GD18AA. REC`D SSDI BENEFITS
    G4378           GD18AD. SSDI START-YEAR
    G4382           GD18AF. SSDI STOP-YR
    G4392           GD18CC. SSDI START-YEAR
    G4396           GD18CG.STILL RECEIVING SSDI BENEFITS
    G4399           GD18CK. SSDI STOP-YR
    G4405           GD18DF. SSDI START-YEAR
    G4409           GD18DK.STILL RECEIVING SSDI BENEFITS
    G4412           GD18DP. SSDI STOP-YR
    G4465           GD26F1.SSD LAST APP BENEFITS START-YR
    G4466           GD26G.SSD-STILL RECEIVING
    G4472           GD26M1.SSD BENEFITS STOP-YR
    G4870           GJ123F1.SSDI AWARDED - YEAR
    G4875           GJ123J.STILL RECEIVING BENEFITS
    G4877           GJ123K.BENEFITS STOPPED - YEAR
    G5182           J45.SOC SEC INCOME
    G5185           J46.WHO RECEIVE SOC SEC INCOME
    G5186           J47.R AMT RECVD SS LAST MO
    G5187           J47A.R DK-700
    G5188           J47B.R DK-1000
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	G5190	J47D.R DK-500
	G5193	J48.R SS BENEFITS START YEAR
	G5194	J49.R SS BENEFITS START MONTH
	G5199	J50A1.SP HOW MUCH SS BENEFITS
	G5200	J50A2.SP DK-700
	G5201	J50A3.SP DK-1000
	G5203	J50A5.SP DK-500
	G5204	J50B1.SP SS BENEFITS START YEAR
	G5205	J50B2.SP SS BENEFITS START MONTH
	G5224	J59.R/S SSI-LAST MONTH
	G5225	J60.WHO RECEIVED SSI
	G5226	J61.R/S SSI $
	G5227	J61A.R/S AMT SS R DK-500
	G5228	J61B.AMT SS R DK-750
	G5229	J61C.AMT SS R DK-250
	G5230	J62.SSI START YEAR
	G5231	J62B.SSI START MONTH
HRS 2002:		
	HM030F1	HM030F1 STILL RECEIVING SSDI BENEFITS
	HM030L1	HM030L1 SSDI STOP-YR
	HM032B1	HM032B1 SSDI START-YR
	HM032F1	HM032F1 STILL RECEIVING SSDI BENEFITS
	HM032L1	HM032L1 SSDI STOP-YR
	HM040K	HM040K SSDI START-YR
	HM040P	HM040P STILL RECEIVING SSDI BENEFITS
	HM040V	HM040VSSDI STOP-YR
	HM648B1	SSDI START YEAR-1
	HM648B2	SSDI START YEAR-2
	HM648F1	STILL RECEIVING SSDI BENEFITS-1
	HM648F2	STILL RECEIVING SSDI BENEFITS-2
	HM648L1	SSDI STOP YEAR-1
HRS 2022:		
	SM252	SSDI BENEFITS START - YR
	SM254	SSDI STILL RECEIVING BENEFITS
	SM255	SSDI BENEFITS STOPPED - YEAR
HRS 2002-2014:		
	xJ478	CURRENTLY RECV SOC SEC INCOME
HRS 2002-2022:		
	xQ084	SP SOCIAL SECURITY INCOME
	xQ085	R AMOUNT OF SS INCOME - LAST MONTH
	xQ086	R AMT FROM SS INCOME - MIN
	xQ087	R AMT FROM SS INCOME - MAX
	xQ088	R AMT FROM SS INCOME - RESULT
	xQ089	R YEAR STARTED TO RECEIVE SS BENEFITS
	xQ090	R MONTH STARTED TO RECEIVE SS BENEFITS
	xQ091	SP AMOUNT OF SS INCOME - LAST MONTH
	xQ092	SP AMT FROM SS INCOME - MIN
	xQ093	SP AMT FROM SS INCOME - MAX
	xQ094	SP AMT FROM SS INCOME - RESULT
	xQ095	SP YEAR STARTED TO RECEIVE SS BENEFITS
	xQ096	SP MONTH STARTED TO RECEIVE SS BENEFITS
	xQ105	R OR SP INCOME FROM SSI - LAST MONTH
	xQ106	WHO RECEIVED INC FROM SSI LAST MONTH
	xQ107	AMOUNT RECEIVED FROM SSI LAST MONTH
	xQ108	AMT RECEIVED FROM SSI - MIN
	xQ109	AMT RECEIVED FROM SSI - MAX
	xQ110	AMT RECEIVED FROM SSI - RESULT
	xQ111	YEAR STARTED TO RECEIVE SSI INCOME
	xQ112	MONTH STARTED TO RECEIVE SSI INCOME

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    xZ125           PREV WAVE R RECEIVES SS
    xZ126           PREV WAVE S/P RECEIVES SS
    xZ127           PREV WAVE R RECEIVES SSI
HRS 2004-2020:
    xM030           HM030 REC SSDI/SSI/BOTH
    xMW234C         HM032B2 SSDI START-YR -2
    xMW234I         HM040K SSDI START-YR -3
    xMW234Q         HM648B1 SSDI START YEAR-1
    xMW234R         HM648B2 SSDI START-YR -2
    xMW238A         HM030F1 STILL RECEIVING SSDI BENEFITS -1
    xMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    xMW238I         HM040P STILL RECEIVING SSDI BENEFITS -3
    xMW238Q         HM648F1 STILL REC SSDI BENS-1
    xMW238R         HM648F2 STILL RECEIVING SSDI BENEFITS -2
    xMW244A         HM030K1 SSDI STOP-YR
    xMW244C         HM030L1 SSDI STOP-YR -2
    xMW244I         HM032L1 SSDI STOP-YR -3
    xMW244Q         SSDI STOP YEAR-1
    xMW244R         HM648L2 SSDI STOP-YR -2
HRS 2016-2022:
    xJ3478          CURRENTLY RECV SOC SEC INCOME
Tracker:
    xFINR               1992-2022 WHETHER FINANCIAL RESPONDENT
```

Individual Income from Social Security Retirement

Wave	Variable	Label	Type
1	R1ISRET	R1ISRET:W1 Income:R SocSec Retirement	Cont
2	R2ISRET	R2ISRET:W2 Income:R SocSec Retirement	Cont
3	R3ISRET	R3ISRET:W3 Income:R SocSec Retirement	Cont
4	R4ISRET	R4ISRET:W4 Income:R SocSec Retirement	Cont
5	R5ISRET	R5ISRET:W5 Income:R SocSec Retirement	Cont
6	R6ISRET	R6ISRET:W6 Income:R SocSec Retirement	Cont
7	R7ISRET	R7ISRET:W7 Income:R SocSec Retirement	Cont
8	R8ISRET	R8ISRET:W8 Income:R SocSec Retirement	Cont
9	R9ISRET	R9ISRET:W9 Income:R SocSec Retirement	Cont
10	R10ISRET	R10ISRET:W10 Income:R SocSec Retirement	Cont
11	R11ISRET	R11ISRET:W11 Income:R SocSec Retirement	Cont
12	R12ISRET	R12ISRET:W12 Income:R SocSec Retirement	Cont
13	R13ISRET	R13ISRET:W13 Income:R SocSec Retirement	Cont
14	R14ISRET	R14ISRET:W14 Income:R SocSec Retirement	Cont
15	R15ISRET	R15ISRET:W15 Income:R SocSec Retirement	Cont
16	R16ISRET	R16ISRET:W16 Income:R SocSec Retirement	Cont
1	S1ISRET	S1ISRET:W1 Income:Sp SocSec Retirement	Cont
2	S2ISRET	S2ISRET:W2 Income:Sp SocSec Retirement	Cont
3	S3ISRET	S3ISRET:W3 Income:Sp SocSec Retirement	Cont
4	S4ISRET	S4ISRET:W4 Income:Sp SocSec Retirement	Cont
5	S5ISRET	S5ISRET:W5 Income:Sp SocSec Retirement	Cont
6	S6ISRET	S6ISRET:W6 Income:Sp SocSec Retirement	Cont
7	S7ISRET	S7ISRET:W7 Income:Sp SocSec Retirement	Cont
8	S8ISRET	S8ISRET:W8 Income:Sp SocSec Retirement	Cont
9	S9ISRET	S9ISRET:W9 Income:Sp SocSec Retirement	Cont
10	S10ISRET	S10ISRET:W10 Income:Sp SocSec Retirement	Cont
11	S11ISRET	S11ISRET:W11 Income:Sp SocSec Retirement	Cont
12	S12ISRET	S12ISRET:W12 Income:Sp SocSec Retirement	Cont
13	S13ISRET	S13ISRET:W13 Income:Sp SocSec Retirement	Cont
14	S14ISRET	S14ISRET:W14 Income:Sp SocSec Retirement	Cont
15	S15ISRET	S15ISRET:W15 Income:Sp SocSec Retirement	Cont
16	S16ISRET	S16ISRET:W16 Income:Sp SocSec Retirement	Cont
1	R1IFSRET	R1IFSRET:W1 ImpFlag:R SocSec Retirement	Categ
2	R2IFSRET	R2IFSRET:W2 ImpFlag:R SocSec Retirement	Categ
3	R3IFSRET	R3IFSRET:W3 ImpFlag:R SocSec Retirement	Categ
4	R4IFSRET	R4IFSRET:W4 ImpFlag:R SocSec Retirement	Categ
5	R5IFSRET	R5IFSRET:W5 ImpFlag:R SocSec Retirement	Categ
6	R6IFSRET	R6IFSRET:W6 ImpFlag:R SocSec Retirement	Categ
7	R7IFSRET	R7IFSRET:W7 ImpFlag:R SocSec Retirement	Categ
8	R8IFSRET	R8IFSRET:W8 ImpFlag:R SocSec Retirement	Categ
9	R9IFSRET	R9IFSRET:W9 ImpFlag:R SocSec Retirement	Categ
10	R10IFSRET	R10IFSRET:W10 ImpFlag:R SocSec Retirement	Categ
11	R11IFSRET	R11IFSRET:W11 ImpFlag:R SocSec Retirement	Categ
12	R12IFSRET	R12IFSRET:W12 ImpFlag:R SocSec Retirement	Categ
13	R13IFSRET	R13IFSRET:W13 ImpFlag:R SocSec Retirement	Categ
14	R14IFSRET	R14IFSRET:W14 ImpFlag:R SocSec Retirement	Categ
15	R15IFSRET	R15IFSRET:W15 ImpFlag:R SocSec Retirement	Categ
16	R16IFSRET	R16IFSRET:W16 ImpFlag:R SocSec Retirement	Categ
1	S1IFSRET	S1IFSRET:W1 ImpFlag:Sp SocSec Retirement	Categ
2	S2IFSRET	S2IFSRET:W2 ImpFlag:Sp SocSec Retirement	Categ
3	S3IFSRET	S3IFSRET:W3 ImpFlag:Sp SocSec Retirement	Categ
4	S4IFSRET	S4IFSRET:W4 ImpFlag:Sp SocSec Retirement	Categ
5	S5IFSRET	S5IFSRET:W5 ImpFlag:Sp SocSec Retirement	Categ
6	S6IFSRET	S6IFSRET:W6 ImpFlag:Sp SocSec Retirement	Categ
7	S7IFSRET	S7IFSRET:W7 ImpFlag:Sp SocSec Retirement	Categ
8	S8IFSRET	S8IFSRET:W8 ImpFlag:Sp SocSec Retirement	Categ
9	S9IFSRET	S9IFSRET:W9 ImpFlag:Sp SocSec Retirement	Categ
10	S10IFSRET	S10IFSRET:W10 ImpFlag:Sp SocSec Retirement	Categ
11	S11IFSRET	S11IFSRET:W11 ImpFlag:Sp SocSec Retirement	Categ
12	S12IFSRET	S12IFSRET:W12 ImpFlag:Sp SocSec Retirement	Categ
13	S13IFSRET	S13IFSRET:W13 ImpFlag:Sp SocSec Retirement	Categ
14	S14IFSRET	S14IFSRET:W14 ImpFlag:Sp SocSec Retirement	Categ
15	S15IFSRET	S15IFSRET:W15 ImpFlag:Sp SocSec Retirement	Categ

16 S16IFSRET S16IFSRET:W16 ImpFlag:Sp SocSec Retirement Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1ISRET	12652	341.01	1608.70	0.0	26000.0
R2ISRET	19642	3184.73	4276.26	0.0	120000.0
R3ISRET	17991	3696.89	4606.93	0.0	74400.0
R4ISRET	21384	4382.41	5233.77	0.0	144000.0
R5ISRET	19578	5033.54	5264.59	0.0	96000.0
R6ISRET	18165	6017.60	5901.97	0.0	115200.0
R7ISRET	20129	5784.16	6040.68	0.0	96600.0
R8ISRET	18469	6666.06	6536.92	0.0	108000.0
R9ISRET	17217	7522.44	6951.51	0.0	108000.0
R10ISRET	22034	6282.71	7621.37	0.0	264000.0
R11ISRET	20554	6810.16	7756.22	0.0	96000.0
R12ISRET	18747	7617.74	8248.50	0.0	96000.0
R13ISRET	20912	6640.04	8392.07	0.0	108000.0
R14ISRET	17146	7553.22	11434.99	0.0	456000.0
R15ISRET	15723	8313.73	9746.31	0.0	396000.0
R16ISRET	15787	8885.05	11262.34	0.0	360000.0
S1ISRET	10279	391.27	1710.10	0.0	26000.0
S2ISRET	13674	2599.52	4106.05	0.0	120000.0
S3ISRET	12334	3094.61	4449.82	0.0	74400.0
S4ISRET	14516	3713.96	4979.36	0.0	120000.0
S5ISRET	13041	4302.83	5129.77	0.0	48000.0
S6ISRET	11859	5237.04	5733.27	0.0	108000.0
S7ISRET	13352	5130.39	6050.70	0.0	96600.0
S8ISRET	12052	5924.62	6490.53	0.0	108000.0
S9ISRET	11012	6797.70	7018.70	0.0	108000.0
S10ISRET	14237	5601.64	7544.08	0.0	264000.0
S11ISRET	13081	6135.74	7698.56	0.0	96000.0
S12ISRET	11622	6826.26	8182.48	0.0	84000.0
S13ISRET	12889	5857.59	8231.48	0.0	96000.0
S14ISRET	10463	6778.79	10522.81	0.0	344592.0
S15ISRET	9529	7572.88	10012.66	0.0	396000.0
S16ISRET	9242	8190.72	11841.80	0.0	360000.0
R1IFSRET	12652	0.14	0.82	0.0	9.0
R2IFSRET	19642	0.59	0.93	0.0	9.0
R3IFSRET	17991	0.68	0.97	0.0	9.0
R4IFSRET	21384	0.71	1.03	0.0	9.0
R5IFSRET	19578	0.74	0.93	0.0	9.0
R6IFSRET	18165	0.77	0.66	0.0	9.0
R7IFSRET	20129	0.70	0.68	0.0	9.0
R8IFSRET	18469	0.75	0.67	0.0	9.0
R9IFSRET	17217	0.79	0.67	0.0	9.0
R10IFSRET	22034	0.69	1.00	0.0	9.0
R11IFSRET	20554	0.68	0.75	0.0	9.0
R12IFSRET	18747	0.70	0.75	0.0	9.0
R13IFSRET	20912	0.62	0.88	0.0	9.0
R14IFSRET	17146	0.68	0.86	0.0	9.0
R15IFSRET	15723	0.76	0.98	0.0	9.0
R16IFSRET	15787	0.73	0.96	0.0	9.0

S1IFSRET	12652	1.63	3.17	0.0	9.0
S2IFSRET	19642	2.78	3.54	0.0	9.0
S3IFSRET	17991	2.92	3.53	0.0	9.0
S4IFSRET	21384	3.01	3.56	0.0	9.0
S5IFSRET	19578	3.11	3.55	0.0	9.0
S6IFSRET	18165	3.24	3.52	0.0	9.0
S7IFSRET	20129	3.14	3.54	0.0	9.0
S8IFSRET	18469	3.24	3.53	0.0	9.0
S9IFSRET	17217	3.37	3.54	0.0	9.0
S10IFSRET	22034	3.30	3.64	0.0	9.0
S11IFSRET	20554	3.35	3.62	0.0	9.0
S12IFSRET	18747	3.50	3.64	0.0	9.0
S13IFSRET	20912	3.52	3.71	0.0	9.0
S14IFSRET	17146	3.63	3.70	0.0	9.0
S15IFSRET	15723	3.71	3.68	0.0	9.0
S16IFSRET	15787	3.85	3.71	0.0	9.0

Categorical Variable Codes

RwIFSRET: ImpFlag:R SocSec Retirement

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	11788	10404	8765	9626	7873	6213	8067	6625	5676	10446
1.No imputations	649	7871	7080	9834	9898	9898	10107	9894	9577	9234
2.Some imputation	120	1233	2020	1717	1670	2045	1940	1938	1951	2172
9.No Fin resp	95	134	126	207	137	9	15	12	13	182

Value	w11	w12	w13	w14	w15	w16
0.No income	9225	7925	10659	7950	6664	6934
1.No imputations	9019	8669	8149	7274	7033	6907
2.Some imputation	2274	2120	2005	1849	1911	1838
9.No Fin resp	36	33	99	73	115	108

SwIFSRET: ImpFlag:Sp SocSec Retirement

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	9494	8373	6854	7510	6161	4816	6090	4999	4216	7282
1.No imputations	587	4502	4217	5854	5819	5824	6017	5863	5599	5391
2.Some imputation	103	695	1177	967	968	1186	1176	1141	1139	1289
8.No Sp/part->no incm	2373	5968	5657	6868	6537	6306	6777	6417	6205	7797
9.No Fin resp	95	104	86	185	93	33	69	49	58	275

Value	w11	w12	w13	w14	w15	w16
0.No income	6414	5441	7036	5159	4316	4305
1.No imputations	5182	4804	4423	3944	3802	3608
2.Some imputation	1346	1227	1130	1051	1098	1019
8.No Sp/part->no incm	7473	7125	8023	6683	6194	6545
9.No Fin resp	139	150	300	309	313	310

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document. Unless otherwise noted, income variables refer to income received last calendar year.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

RwISRET is the Respondent's income from Social Security retirement, spouse, or widow benefits in the last calendar year (LCY). RwIFSRET is a flag that indicates whether any components are imputed.

SwISRET and SwIFSRET are the analogous spouse variables.

In Waves 1 and 2A, Social Security income could be reported individually or, if the Respondent is married, jointly. If the income is reported jointly, the income is split between the Respondent and spouse.

In Wave 1, the questions ask the annual amount of Social Security received in 1991. From Wave 2 forward, a monthly amount is asked and the first month received is also asked. The variable derivation multiplies the number of months income was received by the monthly amount to calculate a yearly amount.

In Waves 1, 2, and 3A, the type of Social Security income received is asked. The type can be retirement, disability, survivor benefits, dependent of retired, dependent of disabled or other, and Respondents can name up to two different types. The total Social Security income amount is reported, rather than separated by types received. Therefore, we decided that if a person reports receiving any type of income from Social Security EXCEPT disability, the amount they indicated would be considered retirement income. In Wave 1, if a joint check is received, the type is not asked and is assumed to be retirement income unless disability income is otherwise indicated. Similarly, from Wave 3H forward, the type of Social Security income is not asked and is assumed to be retirement income unless disability income is indicated in the disability section of the questionnaire.

In Waves 1 and 2H and from Wave 3H forward, we incorporated logic that examines the ages of Respondents and spouses. For those who have reached full retirement age at the time of the interview and receive Social Security disability income, we override the disability income and assign it instead as retirement income. This is based on the notion that disability benefits automatically convert to

retirement benefits at full retirement age.

Cross Wave Differences in Original HRS Data

The way the Social Security income questions are asked varies across waves.

In Wave 1, the questions ask the annual amount of Social Security received in 1991. In Wave 1 and Wave 2A, if the Respondent and spouse receive a joint check only, one amount is asked; if they receive separate checks, amounts are asked for each individual. From Wave 2 forward, a monthly amount is asked, and the first month Social Security was received is also asked.

In Waves 1, 2, and 3A, the type of Social Security income received is asked. The type can be retirement, disability, survivor benefits, dependent of retired, dependent of disabled or other. In Wave 1, if a joint check is received, the type is not asked. From Wave 3H forward, the type of Social Security income is not asked.

From Wave 3 forward, if the Respondent refuses or does not know the value of monthly Social Security income, a series of unfolding bracket questions are asked. The bracket amounts for Social Security income change in Wave 5 but otherwise are the same across waves. The exception to this is in Wave 3A, where the bracket amounts are based on the last year rather than the last month. In Waves 1 and 2, no unfolding bracket questions are asked.

Beginning in Wave 6, there are two possible sources of information about whether the spouse receives Social Security: (1) the Financial Respondent's report in the HRS Assets and Income section; and (2) the self-report in the Employment section. To determine whether the spouse has any Social Security income, we use the spouse's self-report. However, if the spouse did not respond, or the self-report is missing, we use the Financial Respondent's report. Our rationale for doing this is that the self-report is probably more accurate. It is also important to note that the self-report in the employment section is the only explicit question about whether the Financial Respondent currently receives Social Security income.

From Wave 7 forward, the disability section collected data on whether a previous SSDI benefit had since converted to a retirement benefit. These reports helped determine whether the type of Social Security income being received was for retirement or disability. For Respondents who reported a conversion, we checked whether they had reached full retirement age before designating the income as Social Security retirement. Due to a change to the Wave 16 question sequence in the HRS disability section, fewer raw variables were needed to determine whether reports in the income section were about Social Security disability or retirement benefits.

HRS Variables Used

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HRS 1992:
    V16001          N41:SS:RCV SOC SEC I:IND
    V16003          N41B:SS:  AMT RECD I:IND
    V16012          N42A:SS:R1:  AMT REC:IND
    V16021          N42A:SS:R2  AMT RECV:IND
    V16030          N43A:SS:R1:  AMT REC:IND
    V16107          N44A:SS:R2  AMT RECV:IND
    V6001           N41:SS:RCV SOC SEC I:IMP
    V6002           N41A:SS:1CHK/SEPARATE CK
    V6003           N41B:SS:  AMT RECVD :IMP
    V6006           N42:SS:R1RETIREMENT
    V6008           N42:SS:R1SURVIVORS BEN
    V6009           N42:SS:R1DEPND OF DISAB
    V6010           N42:SS:R1DEPND OR RETIR
    V6011           N42:SS:R1OTHER
    V6012           N42A:SS:R1  AMT RECV:IMP
    V6015           N42:SS:R2RETIREMENT
    V6017           N42:SS:R2SURVIVORS BEN
    V6018           N42:SS:R2DEPND OF DISAB
    V6019           N42:SS:R2DEPND OR RETIR
    V6020           N42:SS:R2OTHER
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    V6021           N42A:SS:R2  AMT RECV:IMP
    V6024           N43:SS:R1RETIREMENT
    V6026           N43:SS:R1SURVIVORS BENFT
    V6027           N43:SS:R1DPEND OF DSABLD
    V6028           N43:SS:R1DPEND OF RTIRED
    V6029           N43:SS:R1OTHER
    V6030           N43A:SS:R1  AMT RECV:IMP
    V6101           N44:SS:R2RETIREMENT
    V6103           N44:SS:R2SURVIVORS BENFT
    V6104           N44:SS:R2DPEND OF DSABLD
    V6105           N44:SS:R2DPEND OF RTIRED
    V6106           N44:SS:R2OTHER
    V6107           N44A:SS:R2  AMT RECV:IMP
AHEAD 1993:
    B1376           J1. SS: RECEIVE ANY
    B1377           J1a. SS: 1 OR 2 CHECKS
    B1378           J2. SS: R TYPE
    B1379           J2b. SS: R $ LAST MONTH
    B1381           J2d. SS: R START MONTH
    B1382           J2e. SS: R START YEAR
    B1389           J3. SS: SP TYPE
    B1390           J3a. SS: SP $ LAST MONTH
    B1392           J3c. SS: SP START MONTH
    B1393           J3d. SS: SP START YEAR
HRS 1994:
    W16253          N23. Imputation flag
    W16254          N23a. Imputation flag
    W16260          N23c. Imputation flag
    W16268          N23g. Imputation flag
    W6253           N23.SOCIAL SECURITY?
    W6254           N23a.WHO RECEIVED SOCIAL
    W6255           N23b.TYPE SOCIAL SECURIT
    W6256           N23b.TYPE SOCIAL SECURIT
    W6260           N23c.AMT SS LAST MONTH
    W6261           N23e.START RECEIVING SS-
    W6262           N23e.START RECEIVING SS-
    W6263           N23f.SP-TYPE SOCIAL SECU
    W6264           N23f.SP-TYPE SOCIAL SECU
    W6268           N23g.SP-AMT SS LAST MONT
    W6269           N23h.SP-START RECEIVING
    W6270           N23h.SP-START RECEIVING
AHEAD 1995:
    D3875           J1.RECEIVE SOC SEC
    D3877M1         J2.R TYPE SOC SEC
    D3877M2         J2.R TYPE SOC SEC
    D3878           J3.AMT SOC SEC LAST MNTH
    D3879           J3A.AMT SS R DK-1
    D3880           J3B.AMT SS R DK-2
    D3881           J3C.AMT SS R DK-3
    D3883           J4A.MONTH START SOC SEC
    D3884           J4A.YEAR START SOC SEC
    D3885           J5.SP REC SS
    D3886M1         J5A.SP TYPE SOC SEC
    D3886M2         J5A.SP TYPE SOC SEC
    D3888           J6.AMT SOC SEC LAST MNTH SP/PT
    D3889           J6A.AMT SS S DK-1
    D3890           J6B.AMT SS S DK-2
    D3891           J6C.AMT SS S DK-3
    D3893           J7A.MONTH START SOC SEC SP/PT
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    D3894           J7B.YEAR START SOC SEC SP/PT
HRS 1996:
    E3580           GD18. RECEIVE SSD/SSI
    E3582           GD18B. SS STOP-YR
    E3606           GD26F1. SS RECEIVE-YR
    E3614           GD26J. SS-STILL RECEIVING
    E3616           GD26K1. SS STOP-YR
    E3983           J45.SOC SEC INCOME
    E3984           J46.WHO RECEIVE SOC SEC INCOME
    E3985           J47.R AMT RECVD SS LAST MO
    E3986           J47A.R $ RECVD SS LAST MO DK-1K
    E3987           J47B.R $ RECVD SS LAST MO DK-1.5K
    E3989           J47D.R $ RECVD SS LAST MO DK-500
    E3990           J48.R RECV SS BENEFITS START YEAR
    E3991           J49.SS BENEFITS START MONTH
    E3996           J50A1.SP HOW MUCH SS BENEFITS
    E3997           J50A2.SP $ SS BENEFITS DK-1K
    E3998           J50A3.SP $ SS BENEFITS DK-1.5K
    E4000           J50A5.SP $ SS BENEFITS DK-500
    E4001           J50B1.SP BENEFITS START - YEAR
    E4002           J50B2.SP BENEFITS START - MONTH
HRS 1998:
    F272            PREV WAVE R REC SS
    F273            PREV WAVE S/P REC SS
    F4088           GD18. RECEIVE SSD/SSI
    F4090           GD18B. SS STOP-YR
    F4135           GD26F1. SS RECEIVE-YR
    F4139           GD26J. SS-STILL RECEIVING
    F4141           GD26K1. SS STOP-YR
    F4498           GJ123F1.SS AWARDED - YEAR
    F4502           GJ123J.STILL RECEIVING BENEFITS
    F4504           GJ123K1.BENEFITS STOPPED - YEAR
    F4743           J45.SOC SEC INCOME
    F4744           J46.WHO RECEIVE SOC SEC INCOME
    F4745           J47.R AMT RECVD SS LAST MO
    F4746           J47A.R DK-1K
    F4747           J47B.R DK-1,500
    F4749           J47D.R DK-500
    F4750           J48.R SS BENEFITS START YEAR
    F4751           J49.R SS BENEFITS START MONTH
    F4756           J50A1.SP HOW MUCH SS BENEFITS
    F4757           J50A2.SP DK-1K
    F4758           J50A3.SP DK-1,500
    F4760           J50A5.SP DK-500
    F4761           J50B1.SP SS BENEFITS START YEAR
    F4762           J50B2.SP SS BENEFITS START MONTH
HRS 2000:
    G272            PR272.PREV WAVE R REC SS
    G273            PR273.PREV WAVE S/P REC SS
    G4374           GD18AA. REC`D SSDI BENEFITS
    G4378           GD18AD. SSDI START-YEAR
    G4382           GD18AF. SSDI STOP-YR
    G4392           GD18CC. SSDI START-YEAR
    G4396           GD18CG.STILL RECEIVING SSDI BENEFITS
    G4399           GD18CK. SSDI STOP-YR
    G4405           GD18DF. SSDI START-YEAR
    G4409           GD18DK.STILL RECEIVING SSDI BENEFITS
    G4412           GD18DP. SSDI STOP-YR
    G4465           GD26F1.SSD LAST APP BENEFITS START-YR
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    G4466           GD26G.SSD-STILL RECEIVING
    G4472           GD26M1.SSD BENEFITS STOP-YR
    G4870           GJ123F1.SSDI AWARDED - YEAR
    G4875           GJ123J.STILL RECEIVING BENEFITS
    G4877           GJ123K.BENEFITS STOPPED - YEAR
    G5182           J45.SOC SEC INCOME
    G5185           J46.WHO RECEIVE SOC SEC INCOME
    G5186           J47.R AMT RECVD SS LAST MO
    G5187           J47A.R DK-700
    G5188           J47B.R DK-1000
    G5190           J47D.R DK-500
    G5193           J48.R SS BENEFITS START YEAR
    G5194           J49.R SS BENEFITS START MONTH
    G5199           J50A1.SP HOW MUCH SS BENEFITS
    G5200           J50A2.SP DK-700
    G5201           J50A3.SP DK-1000
    G5203           J50A5.SP DK-500
    G5204           J50B1.SP SS BENEFITS START YEAR
    G5205           J50B2.SP SS BENEFITS START MONTH
HRS 2002:
    HM030F1         HM030F1 STILL RECEIVING SSDI BENEFITS
    HM030L1         HM030L1 SSDI STOP-YR
    HM032B1         HM032B1 SSDI START-YR
    HM032F1         HM032F1 STILL RECEIVING SSDI BENEFITS
    HM032L1         HM032L1 SSDI STOP-YR
    HM040K          HM040K SSDI START-YR
    HM040P          HM040P STILL RECEIVING SSDI BENEFITS
    HM040V          HM040VSSDI STOP-YR
    HM648B1         SSDI START YEAR-1
    HM648B2         SSDI START YEAR-2
    HM648F1         STILL RECEIVING SSDI BENEFITS-1
    HM648F2         STILL RECEIVING SSDI BENEFITS-2
    HM648L1         SSDI STOP YEAR-1
HRS 2022:
    SM252           SSDI BENEFITS START - YR
    SM254           SSDI STILL RECEIVING BENEFITS
    SM255           SSDI BENEFITS STOPPED - YEAR
HRS 2002-2014:
    xJ478           CURRENTLY RECV SOC SEC INCOME
HRS 2002-2022:
    xQ084           SP SOCIAL SECURITY INCOME
    xQ085           R AMOUNT OF SS INCOME - LAST MONTH
    xQ086           R AMT FROM SS INCOME - MIN
    xQ087           R AMT FROM SS INCOME - MAX
    xQ088           R AMT FROM SS INCOME - RESULT
    xQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    xQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    xQ091           SP AMOUNT OF SS INCOME - LAST MONTH
    xQ092           SP AMT FROM SS INCOME - MIN
    xQ093           SP AMT FROM SS INCOME - MAX
    xQ094           SP AMT FROM SS INCOME - RESULT
    xQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    xQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
    xQ106           WHO RECEIVED INC FROM SSI LAST MONTH
    xZ125           PREV WAVE R RECEIVES SS
    xZ126           PREV WAVE S/P RECEIVES SS
HRS 2004-2020:
    xM030           HM030 REC SSDI/SSI/BOTH
    xMW234C         HM032B2 SSDI START-YR -2
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    xMW234I         HM040K SSDI START-YR -3
    xMW234Q         HM648B1 SSDI START YEAR-1
    xMW234R         HM648B2 SSDI START-YR -2
    xMW238A         HM030F1 STILL RECEIVING SSDI BENEFITS -1
    xMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    xMW238I         HM040P STILL RECEIVING SSDI BENEFITS -3
    xMW238Q         HM648F1 STILL REC SSDI BENS-1
    xMW238R         HM648F2 STILL RECEIVING SSDI BENEFITS -2
    xMW244A         HM030K1 SSDI STOP-YR
    xMW244C         HM030L1 SSDI STOP-YR -2
    xMW244I         HM032L1 SSDI STOP-YR -3
    xMW244Q         SSDI STOP YEAR-1
    xMW244R         HM648L2 SSDI STOP-YR -2
HRS 2016-2022:
    xJ3478          CURRENTLY RECV SOC SEC INCOME
Tracker:
    xFINR               1992-2022 WHETHER FINANCIAL RESPONDENT
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Individual Unemployment or Workers' Compensation

Wave	Variable	Label	Type
1	R1IUNWC	R1IUNWC:W1 Income:R Unemp + Workers Comp	Cont
2	R2IUNWC	R2IUNWC:W2 Income:R Unemp + Workers Comp	Cont
3	R3IUNWC	R3IUNWC:W3 Income:R Unemp + Workers Comp	Cont
4	R4IUNWC	R4IUNWC:W4 Income:R Unemp + Workers Comp	Cont
5	R5IUNWC	R5IUNWC:W5 Income:R Unemp + Workers Comp	Cont
6	R6IUNWC	R6IUNWC:W6 Income:R Unemp + Workers Comp	Cont
7	R7IUNWC	R7IUNWC:W7 Income:R Unemp + Workers Comp	Cont
8	R8IUNWC	R8IUNWC:W8 Income:R Unemp + Workers Comp	Cont
9	R9IUNWC	R9IUNWC:W9 Income:R Unemp + Workers Comp	Cont
10	R10IUNWC	R10IUNWC:W10 Income:R Unemp + Workers Comp	Cont
11	R11IUNWC	R11IUNWC:W11 Income:R Unemp + Workers Comp	Cont
12	R12IUNWC	R12IUNWC:W12 Income:R Unemp + Workers Comp	Cont
13	R13IUNWC	R13IUNWC:W13 Income:R Unemp + Workers Comp	Cont
14	R14IUNWC	R14IUNWC:W14 Income:R Unemp + Workers Comp	Cont
15	R15IUNWC	R15IUNWC:W15 Income:R Unemp + Workers Comp	Cont
16	R16IUNWC	R16IUNWC:W16 Income:R Unemp + Workers Comp	Cont
1	S1IUNWC	S1IUNWC:W1 Income:Sp Unemp + Workers Comp	Cont
2	S2IUNWC	S2IUNWC:W2 Income:Sp Unemp + Workers Comp	Cont
3	S3IUNWC	S3IUNWC:W3 Income:Sp Unemp + Workers Comp	Cont
4	S4IUNWC	S4IUNWC:W4 Income:Sp Unemp + Workers Comp	Cont
5	S5IUNWC	S5IUNWC:W5 Income:Sp Unemp + Workers Comp	Cont
6	S6IUNWC	S6IUNWC:W6 Income:Sp Unemp + Workers Comp	Cont
7	S7IUNWC	S7IUNWC:W7 Income:Sp Unemp + Workers Comp	Cont
8	S8IUNWC	S8IUNWC:W8 Income:Sp Unemp + Workers Comp	Cont
9	S9IUNWC	S9IUNWC:W9 Income:Sp Unemp + Workers Comp	Cont
10	S10IUNWC	S10IUNWC:W10 Income:Sp Unemp + Workers Comp	Cont
11	S11IUNWC	S11IUNWC:W11 Income:Sp Unemp + Workers Comp	Cont
12	S12IUNWC	S12IUNWC:W12 Income:Sp Unemp + Workers Comp	Cont
13	S13IUNWC	S13IUNWC:W13 Income:Sp Unemp + Workers Comp	Cont
14	S14IUNWC	S14IUNWC:W14 Income:Sp Unemp + Workers Comp	Cont
15	S15IUNWC	S15IUNWC:W15 Income:Sp Unemp + Workers Comp	Cont
16	S16IUNWC	S16IUNWC:W16 Income:Sp Unemp + Workers Comp	Cont
1	R1IFUNWC	R1IFUNWC:W1 ImpFlag:R Unemp + Workers Comp	Categ
2	R2IFUNWC	R2IFUNWC:W2 ImpFlag:R Unemp + Workers Comp	Categ
3	R3IFUNWC	R3IFUNWC:W3 ImpFlag:R Unemp + Workers Comp	Categ
4	R4IFUNWC	R4IFUNWC:W4 ImpFlag:R Unemp + Workers Comp	Categ
5	R5IFUNWC	R5IFUNWC:W5 ImpFlag:R Unemp + Workers Comp	Categ
6	R6IFUNWC	R6IFUNWC:W6 ImpFlag:R Unemp + Workers Comp	Categ
7	R7IFUNWC	R7IFUNWC:W7 ImpFlag:R Unemp + Workers Comp	Categ
8	R8IFUNWC	R8IFUNWC:W8 ImpFlag:R Unemp + Workers Comp	Categ
9	R9IFUNWC	R9IFUNWC:W9 ImpFlag:R Unemp + Workers Comp	Categ
10	R10IFUNWC	R10IFUNWC:W10 ImpFlag:R Unemp + Workers Comp	Categ
11	R11IFUNWC	R11IFUNWC:W11 ImpFlag:R Unemp + Workers Comp	Categ
12	R12IFUNWC	R12IFUNWC:W12 ImpFlag:R Unemp + Workers Comp	Categ
13	R13IFUNWC	R13IFUNWC:W13 ImpFlag:R Unemp + Workers Comp	Categ
14	R14IFUNWC	R14IFUNWC:W14 ImpFlag:R Unemp + Workers Comp	Categ
15	R15IFUNWC	R15IFUNWC:W15 ImpFlag:R Unemp + Workers Comp	Categ
16	R16IFUNWC	R16IFUNWC:W16 ImpFlag:R Unemp + Workers Comp	Categ
1	S1IFUNWC	S1IFUNWC:W1 ImpFlag:Sp Unemp + Workers Comp	Categ
2	S2IFUNWC	S2IFUNWC:W2 ImpFlag:Sp Unemp + WorkerComp	Categ
3	S3IFUNWC	S3IFUNWC:W3 ImpFlag:Sp Unemp + WorkerComp	Categ
4	S4IFUNWC	S4IFUNWC:W4 ImpFlag:Sp Unemp + Workers Comp	Categ
5	S5IFUNWC	S5IFUNWC:W5 ImpFlag:Sp Unemp + Workers Comp	Categ
6	S6IFUNWC	S6IFUNWC:W6 ImpFlag:Sp Unemp + WorkerComp	Categ
7	S7IFUNWC	S7IFUNWC:W7 ImpFlag:Sp Unemp + Workers Comp	Categ
8	S8IFUNWC	S8IFUNWC:W8 ImpFlag:Sp Unemp + Workers Comp	Categ
9	S9IFUNWC	S9IFUNWC:W9 ImpFlag:Sp Unemp + Workers Comp	Categ
10	S10IFUNWC	S10IFUNWC:W10 ImpFlag:Sp Unemp + Workers Comp	Categ
11	S11IFUNWC	S11IFUNWC:W11 ImpFlag:Sp Unemp + Workers Comp	Categ
12	S12IFUNWC	S12IFUNWC:W12 ImpFlag:Sp Unemp + Workers Comp	Categ
13	S13IFUNWC	S13IFUNWC:W13 ImpFlag:Sp Unemp + Workers Comp	Categ
14	S14IFUNWC	S14IFUNWC:W14 ImpFlag:Sp Unemp + Workers Comp	Categ
15	S15IFUNWC	S15IFUNWC:W15 ImpFlag:Sp Unemp + Workers Comp	Categ

16	S16IFUNWC	S16IFUNWC:W16 ImpFlag:Sp Unemp + Workers Comp	Categ
1	R1IUNEM	R1IUNEM:W1 IncPart-Unemployment	Cont
2	R2IUNEM	R2IUNEM:W2 IncPart-Unemployment	Cont
3	R3IUNEM	R3IUNEM:W3 IncPart-Unemployment	Cont
4	R4IUNEM	R4IUNEM:W4 IncPart-Unemployment	Cont
5	R5IUNEM	R5IUNEM:W5 IncPart-Unemployment	Cont
6	R6IUNEM	R6IUNEM:W6 IncPart-Unemployment	Cont
7	R7IUNEM	R7IUNEM:W7 IncPart-Unemployment	Cont
8	R8IUNEM	R8IUNEM:W8 IncPart-Unemployment	Cont
9	R9IUNEM	R9IUNEM:W9 IncPart-Unemployment	Cont
10	R10IUNEM	R10IUNEM:W10 IncPart-Unemployment	Cont
11	R11IUNEM	R11IUNEM:W11 IncPart-Unemployment	Cont
12	R12IUNEM	R12IUNEM:W12 IncPart-Unemployment	Cont
13	R13IUNEM	R13IUNEM:W13 IncPart-Unemployment	Cont
14	R14IUNEM	R14IUNEM:W14 IncPart-Unemployment	Cont
15	R15IUNEM	R15IUNEM:W15 IncPart-Unemployment	Cont
16	R16IUNEM	R16IUNEM:W16 IncPart-Unemployment	Cont
1	S1IUNEM	S1IUNEM:W1 IncPart-Unemployment	Cont
2	S2IUNEM	S2IUNEM:W2 IncPart-Unemployment	Cont
3	S3IUNEM	S3IUNEM:W3 IncPart-Unemployment	Cont
4	S4IUNEM	S4IUNEM:W4 IncPart-Unemployment	Cont
5	S5IUNEM	S5IUNEM:W5 IncPart-Unemployment	Cont
6	S6IUNEM	S6IUNEM:W6 IncPart-Unemployment	Cont
7	S7IUNEM	S7IUNEM:W7 IncPart-Unemployment	Cont
8	S8IUNEM	S8IUNEM:W8 IncPart-Unemployment	Cont
9	S9IUNEM	S9IUNEM:W9 IncPart-Unemployment	Cont
10	S10IUNEM	S10IUNEM:W10 IncPart-Unemployment	Cont
11	S11IUNEM	S11IUNEM:W11 IncPart-Unemployment	Cont
12	S12IUNEM	S12IUNEM:W12 IncPart-Unemployment	Cont
13	S13IUNEM	S13IUNEM:W13 IncPart-Unemployment	Cont
14	S14IUNEM	S14IUNEM:W14 IncPart-Unemployment	Cont
15	S15IUNEM	S15IUNEM:W15 IncPart-Unemployment	Cont
16	S16IUNEM	S16IUNEM:W16 IncPart-Unemployment	Cont
1	R1IFUNEM	R1IFUNEM:W1 ImpFlag-Unemployment	Categ
2	R2IFUNEM	R2IFUNEM:W2 ImpFlag-Unemployment	Categ
3	R3IFUNEM	R3IFUNEM:W3 ImpFlag-Unemployment	Categ
4	R4IFUNEM	R4IFUNEM:W4 ImpFlag-Unemployment	Categ
5	R5IFUNEM	R5IFUNEM:W5 ImpFlag-Unemployment	Categ
6	R6IFUNEM	R6IFUNEM:W6 ImpFlag-Unemployment	Categ
7	R7IFUNEM	R7IFUNEM:W7 ImpFlag-Unemployment	Categ
8	R8IFUNEM	R8IFUNEM:W8 ImpFlag-Unemployment	Categ
9	R9IFUNEM	R9IFUNEM:W9 ImpFlag-Unemployment	Categ
10	R10IFUNEM	R10IFUNEM:W10 ImpFlag-Unemployment	Categ
11	R11IFUNEM	R11IFUNEM:W11 ImpFlag-Unemployment	Categ
12	R12IFUNEM	R12IFUNEM:W12 ImpFlag-Unemployment	Categ
13	R13IFUNEM	R13IFUNEM:W13 ImpFlag-Unemployment	Categ
14	R14IFUNEM	R14IFUNEM:W14 ImpFlag-Unemployment	Categ
15	R15IFUNEM	R15IFUNEM:W15 ImpFlag-Unemployment	Categ
16	R16IFUNEM	R16IFUNEM:W16 ImpFlag-Unemployment	Categ
1	S1IFUNEM	S1IFUNEM:W1 ImpFlag-Unemployment	Categ
2	S2IFUNEM	S2IFUNEM:W2 ImpFlag-Unemployment	Categ
3	S3IFUNEM	S3IFUNEM:W3 ImpFlag-Unemployment	Categ
4	S4IFUNEM	S4IFUNEM:W4 ImpFlag-Unemployment	Categ
5	S5IFUNEM	S5IFUNEM:W5 ImpFlag-Unemployment	Categ
6	S6IFUNEM	S6IFUNEM:W6 ImpFlag-Unemployment	Categ
7	S7IFUNEM	S7IFUNEM:W7 ImpFlag-Unemployment	Categ
8	S8IFUNEM	S8IFUNEM:W8 ImpFlag-Unemployment	Categ
9	S9IFUNEM	S9IFUNEM:W9 ImpFlag-Unemployment	Categ
10	S10IFUNEM	S10IFUNEM:W10 ImpFlag-Unemployment	Categ
11	S11IFUNEM	S11IFUNEM:W11 ImpFlag-Unemployment	Categ
12	S12IFUNEM	S12IFUNEM:W12 ImpFlag-Unemployment	Categ
13	S13IFUNEM	S13IFUNEM:W13 ImpFlag-Unemployment	Categ
14	S14IFUNEM	S14IFUNEM:W14 ImpFlag-Unemployment	Categ
15	S15IFUNEM	S15IFUNEM:W15 ImpFlag-Unemployment	Categ
16	S16IFUNEM	S16IFUNEM:W16 ImpFlag-Unemployment	Categ
1	R1IWCMP	R1IWCMP:W1 IncPart-Workers Comp	Cont
2	R2IWCMP	R2IWCMP:W2 IncPart-Workers Comp	Cont

3	R3IWCMP	R3IWCMP:W3 IncPart-Workers Comp	Cont
4	R4IWCMP	R4IWCMP:W4 IncPart-Workers Comp	Cont
5	R5IWCMP	R5IWCMP:W5 IncPart-Workers Comp	Cont
6	R6IWCMP	R6IWCMP:W6 IncPart-Workers Comp	Cont
7	R7IWCMP	R7IWCMP:W7 IncPart-Workers Comp	Cont
8	R8IWCMP	R8IWCMP:W8 IncPart-Workers Comp	Cont
9	R9IWCMP	R9IWCMP:W9 IncPart-Workers Comp	Cont
10	R10IWCMP	R10IWCMP:W10 IncPart-Workers Comp	Cont
11	R11IWCMP	R11IWCMP:W11 IncPart-Workers Comp	Cont
12	R12IWCMP	R12IWCMP:W12 IncPart-Workers Comp	Cont
13	R13IWCMP	R13IWCMP:W13 IncPart-Workers Comp	Cont
14	R14IWCMP	R14IWCMP:W14 IncPart-Workers Comp	Cont
15	R15IWCMP	R15IWCMP:W15 IncPart-Workers Comp	Cont
16	R16IWCMP	R16IWCMP:W16 IncPart-Workers Comp	Cont

1	S1IWCMP	S1IWCMP:W1 IncPart-Workers Comp	Cont
2	S2IWCMP	S2IWCMP:W2 IncPart-Workers Comp	Cont
3	S3IWCMP	S3IWCMP:W3 IncPart-Workers Comp	Cont
4	S4IWCMP	S4IWCMP:W4 IncPart-Workers Comp	Cont
5	S5IWCMP	S5IWCMP:W5 IncPart-Workers Comp	Cont
6	S6IWCMP	S6IWCMP:W6 IncPart-Workers Comp	Cont
7	S7IWCMP	S7IWCMP:W7 IncPart-Workers Comp	Cont
8	S8IWCMP	S8IWCMP:W8 IncPart-Workers Comp	Cont
9	S9IWCMP	S9IWCMP:W9 IncPart-Workers Comp	Cont
10	S10IWCMP	S10IWCMP:W10 IncPart-Workers Comp	Cont
11	S11IWCMP	S11IWCMP:W11 IncPart-Workers Comp	Cont
12	S12IWCMP	S12IWCMP:W12 IncPart-Workers Comp	Cont
13	S13IWCMP	S13IWCMP:W13 IncPart-Workers Comp	Cont
14	S14IWCMP	S14IWCMP:W14 IncPart-Workers Comp	Cont
15	S15IWCMP	S15IWCMP:W15 IncPart-Workers Comp	Cont
16	S16IWCMP	S16IWCMP:W16 IncPart-Workers Comp	Cont

1	R1IFWCMP	R1IFWCMP:W1 ImpFlag-Workers Comp	Categ
2	R2IFWCMP	R2IFWCMP:W2 ImpFlag-Workers Comp	Categ
3	R3IFWCMP	R3IFWCMP:W3 ImpFlag-Workers Comp	Categ
4	R4IFWCMP	R4IFWCMP:W4 ImpFlag-Workers Comp	Categ
5	R5IFWCMP	R5IFWCMP:W5 ImpFlag-Workers Comp	Categ
6	R6IFWCMP	R6IFWCMP:W6 ImpFlag-Workers Comp	Categ
7	R7IFWCMP	R7IFWCMP:W7 ImpFlag-Workers Comp	Categ
8	R8IFWCMP	R8IFWCMP:W8 ImpFlag-Workers Comp	Categ
9	R9IFWCMP	R9IFWCMP:W9 ImpFlag-Workers Comp	Categ
10	R10IFWCMP	R10IFWCMP:W10 ImpFlag-Workers Comp	Categ
11	R11IFWCMP	R11IFWCMP:W11 ImpFlag-Workers Comp	Categ
12	R12IFWCMP	R12IFWCMP:W12 ImpFlag-Workers Comp	Categ
13	R13IFWCMP	R13IFWCMP:W13 ImpFlag-Workers Comp	Categ
14	R14IFWCMP	R14IFWCMP:W14 ImpFlag-Workers Comp	Categ
15	R15IFWCMP	R15IFWCMP:W15 ImpFlag-Workers Comp	Categ
16	R16IFWCMP	R16IFWCMP:W16 ImpFlag-Workers Comp	Categ

1	S1IFWCMP	S1IFWCMP:W1 ImpFlag-Workers Comp	Categ
2	S2IFWCMP	S2IFWCMP:W2 ImpFlag-Workers Comp	Categ
3	S3IFWCMP	S3IFWCMP:W3 ImpFlag-Workers Comp	Categ
4	S4IFWCMP	S4IFWCMP:W4 ImpFlag-Workers Comp	Categ
5	S5IFWCMP	S5IFWCMP:W5 ImpFlag-Workers Comp	Categ
6	S6IFWCMP	S6IFWCMP:W6 ImpFlag-Workers Comp	Categ
7	S7IFWCMP	S7IFWCMP:W7 ImpFlag-Workers Comp	Categ
8	S8IFWCMP	S8IFWCMP:W8 ImpFlag-Workers Comp	Categ
9	S9IFWCMP	S9IFWCMP:W9 ImpFlag-Workers Comp	Categ
10	S10IFWCMP	S10IFWCMP:W10 ImpFlag-Workers Comp	Categ
11	S11IFWCMP	S11IFWCMP:W11 ImpFlag-Workers Comp	Categ
12	S12IFWCMP	S12IFWCMP:W12 ImpFlag-Workers Comp	Categ
13	S13IFWCMP	S13IFWCMP:W13 ImpFlag-Workers Comp	Categ
14	S14IFWCMP	S14IFWCMP:W14 ImpFlag-Workers Comp	Categ
15	S15IFWCMP	S15IFWCMP:W15 ImpFlag-Workers Comp	Categ
16	S16IFWCMP	S16IFWCMP:W16 ImpFlag-Workers Comp	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IUNWC	12652	206.40	1263.21	0.0	30800.0
R2IUNWC	11420	223.23	1411.93	0.0	31000.0
R3IUNWC	10964	171.59	1618.49	0.0	60000.0
R4IUNWC	21384	108.28	1061.72	0.0	30000.0
R5IUNWC	19578	100.29	1433.34	0.0	100000.0
R6IUNWC	18165	66.08	769.41	0.0	32760.0
R7IUNWC	20129	115.14	1190.34	0.0	80000.0
R8IUNWC	18469	74.68	828.24	0.0	39000.0
R9IUNWC	17217	78.30	1112.77	0.0	100000.0
R10IUNWC	22034	315.85	2002.90	0.0	50000.0
R11IUNWC	20554	234.66	1823.24	0.0	50000.0
R12IUNWC	18747	157.77	1655.49	0.0	117000.0
R13IUNWC	20912	125.59	1358.98	0.0	60000.0
R14IUNWC	17146	93.92	1130.47	0.0	45000.0
R15IUNWC	15723	151.69	1488.38	0.0	44000.0
R16IUNWC	15787	264.19	2185.71	0.0	45916.0
S1IUNWC	10279	212.46	1328.78	0.0	30800.0
S2IUNWC	9125	211.21	1391.69	0.0	31000.0
S3IUNWC	8630	170.47	1700.21	0.0	60000.0
S4IUNWC	14516	120.79	1111.68	0.0	28000.0
S5IUNWC	13041	111.47	1645.29	0.0	100000.0
S6IUNWC	11859	77.96	841.14	0.0	32760.0
S7IUNWC	13352	115.25	1078.91	0.0	50000.0
S8IUNWC	12052	90.34	1003.66	0.0	39000.0
S9IUNWC	11012	94.65	1317.08	0.0	100000.0
S10IUNWC	14237	352.30	2133.64	0.0	47965.8
S11IUNWC	13081	253.88	1931.89	0.0	36000.0
S12IUNWC	11622	170.67	1831.39	0.0	117000.0
S13IUNWC	12889	120.47	1344.77	0.0	60000.0
S14IUNWC	10463	125.47	1552.49	0.0	62000.0
S15IUNWC	9529	142.32	1538.35	0.0	45000.0
S16IUNWC	9242	299.13	2374.31	0.0	42432.0
R1IFUNWC	12652	0.14	0.83	0.0	9.0
R2IFUNWC	11420	0.17	0.98	0.0	9.0
R3IFUNWC	10964	0.12	0.79	0.0	9.0
R4IFUNWC	21384	0.12	0.90	0.0	9.0
R5IFUNWC	19578	0.09	0.78	0.0	9.0
R6IFUNWC	18165	0.05	0.50	0.0	9.0
R7IFUNWC	20129	0.08	0.64	0.0	9.0
R8IFUNWC	18469	0.06	0.57	0.0	9.0
R9IFUNWC	17217	0.07	0.62	0.0	9.0
R10IFUNWC	22034	0.24	1.26	0.0	9.0
R11IFUNWC	20554	0.13	0.86	0.0	9.0
R12IFUNWC	18747	0.14	0.95	0.0	9.0
R13IFUNWC	20912	0.20	1.22	0.0	9.0
R14IFUNWC	17146	0.24	1.35	0.0	9.0
R15IFUNWC	15723	0.29	1.49	0.0	9.0
R16IFUNWC	15787	0.30	1.48	0.0	9.0
S1IFUNWC	12652	1.63	3.17	0.0	9.0
S2IFUNWC	11420	1.74	3.26	0.0	9.0
S3IFUNWC	10964	1.79	3.31	0.0	9.0
S4IFUNWC	21384	2.67	3.76	0.0	9.0
S5IFUNWC	19578	2.74	3.78	0.0	9.0

S6IFUNWC	18165	2.82	3.80	0.0	9.0
S7IFUNWC	20129	2.76	3.78	0.0	9.0
S8IFUNWC	18469	2.83	3.81	0.0	9.0
S9IFUNWC	17217	2.94	3.84	0.0	9.0
S10IFUNWC	22034	3.01	3.85	0.0	9.0
S11IFUNWC	20554	3.01	3.85	0.0	9.0
S12IFUNWC	18747	3.15	3.89	0.0	9.0
S13IFUNWC	20912	3.23	3.92	0.0	9.0
S14IFUNWC	17146	3.31	3.95	0.0	9.0
S15IFUNWC	15723	3.37	3.95	0.0	9.0
S16IFUNWC	15787	3.54	3.97	0.0	9.0
R1IUNEM	12652	116.32	784.19	0.0	28000.0
R2IUNEM	11420	136.91	920.05	0.0	19000.0
R3IUNEM	10964	70.46	619.82	0.0	20000.0
R4IUNEM	21384	53.81	563.87	0.0	25000.0
R5IUNEM	19578	37.88	410.15	0.0	12000.0
R6IUNEM	18165	42.22	520.64	0.0	20000.0
R7IUNEM	20129	82.94	960.45	0.0	80000.0
R8IUNEM	18469	55.71	697.67	0.0	39000.0
R9IUNEM	17217	52.50	629.79	0.0	18200.0
R10IUNEM	22034	279.61	1828.50	0.0	32400.0
R11IUNEM	20554	195.50	1576.43	0.0	35000.0
R12IUNEM	18747	113.76	1061.67	0.0	25000.0
R13IUNEM	20912	76.39	877.78	0.0	36000.0
R14IUNEM	17146	61.41	796.05	0.0	40000.0
R15IUNEM	15723	122.08	1268.09	0.0	40000.0
R16IUNEM	15787	227.19	1934.75	0.0	45916.0
S1IUNEM	10279	116.00	800.05	0.0	28000.0
S2IUNEM	9125	127.78	900.78	0.0	19000.0
S3IUNEM	8630	67.94	634.30	0.0	20000.0
S4IUNEM	14516	60.44	597.59	0.0	25000.0
S5IUNEM	13041	38.79	420.18	0.0	12000.0
S6IUNEM	11859	48.91	573.10	0.0	20000.0
S7IUNEM	13352	73.44	701.30	0.0	20000.0
S8IUNEM	12052	62.46	818.80	0.0	39000.0
S9IUNEM	11012	59.74	687.28	0.0	18200.0
S10IUNEM	14237	301.32	1908.87	0.0	32400.0
S11IUNEM	13081	207.40	1668.59	0.0	35000.0
S12IUNEM	11622	111.68	1040.09	0.0	24000.0
S13IUNEM	12889	65.09	777.96	0.0	36000.0
S14IUNEM	10463	84.67	1313.64	0.0	62000.0
S15IUNEM	9529	121.06	1353.90	0.0	40000.0
S16IUNEM	9242	250.08	2064.79	0.0	40000.0
R1IFUNEM	12652	5.83	1.01	1.0	9.0
R2IFUNEM	11420	5.85	0.98	1.0	9.0
R3IFUNEM	10964	5.90	0.81	1.0	9.0
R4IFUNEM	21384	5.95	0.70	1.0	9.0
R5IFUNEM	19578	5.96	0.61	1.0	9.0
R6IFUNEM	18165	5.95	0.58	1.0	9.0
R7IFUNEM	20129	5.93	0.68	1.0	9.0
R8IFUNEM	18469	5.95	0.59	1.0	9.0
R9IFUNEM	17217	5.96	0.56	1.0	9.0
R10IFUNEM	22034	5.87	1.05	1.0	9.0
R11IFUNEM	20554	5.89	0.86	1.0	9.0
R12IFUNEM	18747	5.93	0.77	1.0	9.0
R13IFUNEM	20912	5.99	0.72	1.0	9.0

R14IFUNEM	17146	6.02	0.69	1.0	9.0
R15IFUNEM	15723	6.00	0.81	1.0	9.0
R16IFUNEM	15787	5.97	0.91	1.0	9.0
S1IFUNEM	12652	6.25	1.23	1.0	9.0
S2IFUNEM	11420	6.30	1.19	1.0	9.0
S3IFUNEM	10964	6.36	1.10	1.0	9.0
S4IFUNEM	21384	6.61	1.14	1.0	9.0
S5IFUNEM	19578	6.64	1.09	1.0	9.0
S6IFUNEM	18165	6.66	1.09	1.0	9.0
S7IFUNEM	20129	6.63	1.12	1.0	9.0
S8IFUNEM	18469	6.66	1.09	1.0	9.0
S9IFUNEM	17217	6.70	1.08	1.0	9.0
S10IFUNEM	22034	6.63	1.33	1.0	9.0
S11IFUNEM	20554	6.66	1.22	1.0	9.0
S12IFUNEM	18747	6.73	1.17	1.0	9.0
S13IFUNEM	20912	6.77	1.13	1.0	9.0
S14IFUNEM	17146	6.81	1.11	1.0	9.0
S15IFUNEM	15723	6.81	1.16	1.0	9.0
S16IFUNEM	15787	6.83	1.21	1.0	9.0
R1IWCMP	12652	90.08	993.07	0.0	30800.0
R2IWCMP	11420	86.32	1055.93	0.0	31000.0
R3IWCMP	10964	101.13	1483.09	0.0	60000.0
R4IWCMP	21384	54.47	889.38	0.0	30000.0
R5IWCMP	19578	62.42	1367.25	0.0	100000.0
R6IWCMP	18165	23.87	554.12	0.0	32760.0
R7IWCMP	20129	32.20	697.24	0.0	50000.0
R8IWCMP	18469	18.97	445.70	0.0	21900.0
R9IWCMP	17217	25.79	918.23	0.0	100000.0
R10IWCMP	22034	36.24	782.49	0.0	50000.0
R11IWCMP	20554	39.16	891.21	0.0	50000.0
R12IWCMP	18747	44.00	1262.22	0.0	117000.0
R13IWCMP	20912	49.20	996.43	0.0	60000.0
R14IWCMP	17146	32.51	790.51	0.0	45000.0
R15IWCMP	15723	29.62	782.08	0.0	44000.0
R16IWCMP	15787	37.00	978.12	0.0	42432.0
S1IWCMP	10279	96.47	1063.05	0.0	30800.0
S2IWCMP	9125	83.43	1066.56	0.0	31000.0
S3IWCMP	8630	102.54	1570.57	0.0	60000.0
S4IWCMP	14516	60.35	924.49	0.0	28000.0
S5IWCMP	13041	72.69	1584.75	0.0	100000.0
S6IWCMP	11859	29.05	613.56	0.0	32760.0
S7IWCMP	13352	41.82	822.10	0.0	50000.0
S8IWCMP	12052	27.87	580.13	0.0	21900.0
S9IWCMP	11012	34.90	1124.58	0.0	100000.0
S10IWCMP	14237	50.97	908.71	0.0	47965.8
S11IWCMP	13081	46.48	934.24	0.0	36000.0
S12IWCMP	11622	58.98	1502.05	0.0	117000.0
S13IWCMP	12889	55.39	1079.45	0.0	60000.0
S14IWCMP	10463	40.81	815.57	0.0	40000.0
S15IWCMP	9529	21.26	733.70	0.0	45000.0
S16IWCMP	9242	49.04	1161.81	0.0	42432.0
R1IFWCMP	12652	5.95	0.66	1.0	9.0
R2IFWCMP	11420	5.97	0.65	1.0	9.0
R3IFWCMP	10964	5.96	0.60	1.0	9.0
R4IFWCMP	21384	6.00	0.50	1.0	9.0

R5IFWCMP	19578	5.99	0.47	1.0	9.0
R6IFWCMP	18165	5.99	0.33	1.0	9.0
R7IFWCMP	20129	6.00	0.38	1.0	9.0
R8IFWCMP	18469	6.00	0.33	1.0	9.0
R9IFWCMP	17217	6.00	0.35	1.0	9.0
R10IFWCMP	22034	6.04	0.53	1.0	9.0
R11IFWCMP	20554	6.01	0.41	1.0	9.0
R12IFWCMP	18747	6.02	0.44	1.0	9.0
R13IFWCMP	20912	6.04	0.52	1.0	9.0
R14IFWCMP	17146	6.06	0.54	1.0	9.0
R15IFWCMP	15723	6.07	0.57	1.0	9.0
R16IFWCMP	15787	6.07	0.58	1.0	9.0
S1IFWCMP	12652	6.34	0.99	1.0	9.0
S2IFWCMP	11420	6.38	0.99	1.0	9.0
S3IFWCMP	10964	6.40	0.98	1.0	9.0
S4IFWCMP	21384	6.65	1.03	1.0	9.0
S5IFWCMP	19578	6.66	1.02	1.0	9.0
S6IFWCMP	18165	6.69	1.00	1.0	9.0
S7IFWCMP	20129	6.67	1.01	1.0	9.0
S8IFWCMP	18469	6.69	1.00	1.0	9.0
S9IFWCMP	17217	6.72	1.01	1.0	9.0
S10IFWCMP	22034	6.74	1.04	1.0	9.0
S11IFWCMP	20554	6.74	1.02	1.0	9.0
S12IFWCMP	18747	6.78	1.03	1.0	9.0
S13IFWCMP	20912	6.80	1.05	1.0	9.0
S14IFWCMP	17146	6.83	1.05	1.0	9.0
S15IFWCMP	15723	6.85	1.04	1.0	9.0
S16IFWCMP	15787	6.89	1.06	1.0	9.0

Categorical Variable Codes

RwIFUNWC: ImpFlag:R Unemp + Workers Comp

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		8222	7027							
0.No income	11749	10604	10407	20562	18961	17715	19466	18005	16801	20466
1.No imputations	668	531	377	470	351	247	355	243	217	806
2.Some imputation	140	161	103	145	129	158	219	156	124	344
9.No Fin resp	95	124	77	207	137	45	89	65	75	418

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
0.No income	19544	17958	19948	16364	14806	14757
1.No imputations	549	382	329	216	259	356
2.Some imputation	290	208	260	177	226	244
9.No Fin resp	171	199	375	389	432	430

SwIFUNWC: ImpFlag:Sp Unemp + Workers Comp

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		4549	3704							
.U=Unmarried		3673	3323							
0.No income	9558	8520	8226	13878	12607	11536	12873	11722	10708	13113
1.No imputations	512	384	270	346	241	173	237	159	149	537
2.Some imputation	114	121	70	107	100	114	165	119	93	259
8.No Sp/part->no incm	2373	2295	2334	6868	6537	6306	6777	6417	6205	7797
9.No Fin resp	95	100	64	185	93	36	77	52	62	328

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
.U=Unmarried						
0.No income	12394	11076	12198	9896	8900	8532
1.No imputations	341	231	198	125	142	196
2.Some imputation	203	155	177	113	148	174
8.No Sp/part->no incm	7473	7125	8023	6683	6194	6545
9.No Fin resp	143	160	316	329	339	340

RwIFUNEM: ImpFlag-Unemployment

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		8222	7027							
1.Continuous value	495	400	262	338	242	203	296	201	172	747
2.Complete bracket						37	66	47	23	122
3.Incomplete bracket						4	10	4	2	14
5.No value/bracket	53	78	44	67	50	18	39	17	21	50
6.No income	11960	10771	10543	20719	19101	17793	19568	18078	16867	20586
7.DK if income	49	47	38	53	48	65	61	57	57	97
9.No Fin resp	95	124	77	207	137	45	89	65	75	418

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
1.Continuous value	493	331	265	172	218	316
2.Complete bracket	94	58	45	18	57	62
3.Incomplete bracket	8	6	6	3	6	8
5.No value/bracket	44	17	19	16	26	24
6.No income	19656	18057	20077	16460	14888	14842
7.DK if income	88	79	125	88	96	105
9.No Fin resp	171	199	375	389	432	430

SwIFUNEM: ImpFlag-Unemployment

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		4549	3704							
.U=Unmarried		3673	3323							
1.Continuous value	378	279	185	252	164	139	186	128	115	489
2.Complete bracket						27	48	34	16	83
3.Incomplete bracket						3	9	4	1	11
5.No value/bracket	43	63	37	49	40	12	33	11	17	38
6.No income	9724	8649	8323	13990	12707	11598	12959	11781	10758	13212
7.DK if income	39	34	21	40	37	44	40	42	43	76
8.No spouse/partner	2373	2295	2334	6868	6537	6306	6777	6417	6205	7797
9.No Fin resp	95	100	64	185	93	36	77	52	62	328

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
.U=Unmarried						
1.Continuous value	297	194	154	91	122	167
2.Complete bracket	58	35	25	10	30	36
3.Incomplete bracket	9	6	4	3	6	5
5.No value/bracket	38	15	15	15	19	19
6.No income	12472	11157	12293	9963	8942	8601
7.DK if income	64	55	82	52	71	74
8.No spouse/partner	7473	7125	8023	6683	6194	6545
9.No Fin resp	143	160	316	329	339	340

RwIFWCMP: ImpFlag-Workers Comp

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		8222	7027							
1.Continuous value	184	144	127	139	117	50	65	45	46	76
2.Complete bracket						12	24	14	10	23
3.Incomplete bracket						3	1	1	1	1
5.No value/bracket	29	31	19	28	30	6	6	5	3	11
6.No income	12287	11081	10705	20967	19244	17976	19871	18275	17024	21395
7.DK if income	57	40	36	43	50	73	73	64	58	110
9.No Fin resp	95	124	77	207	137	45	89	65	75	418

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
1.Continuous value	63	62	76	50	44	48
2.Complete bracket	16	13	19	8	7	8
3.Incomplete bracket	1	3	2	1	1	3
5.No value/bracket	5	5	6	8	6	3
6.No income	20192	18364	20288	16591	15135	15176
7.DK if income	106	101	146	99	98	119
9.No Fin resp	171	199	375	389	432	430

SwIFWCMP: ImpFlag-Workers Comp

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		4549	3704							
.U=Unmarried		3673	3323							
1.Continuous value	143	110	91	98	83	38	53	33	35	60
2.Complete bracket						10	17	13	7	19
3.Incomplete bracket						2	1	1	1	1
5.No value/bracket	25	18	11	20	22	3	4	5	2	12
6.No income	9970	8868	8445	14183	12804	11715	13146	11900	10862	13733
7.DK if income	46	29	19	30	39	55	54	48	43	84
8.No spouse/partner	2373	2295	2334	6868	6537	6306	6777	6417	6205	7797
9.No Fin resp	95	100	64	185	93	36	77	52	62	328

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
.U=Unmarried						
1.Continuous value	50	43	50	40	21	34
2.Complete bracket	9	8	10	3	2	4
3.Incomplete bracket	2	3	1	1		
5.No value/bracket	4	6	6	5	4	3
6.No income	12803	11321	12403	10027	9095	8766
7.DK if income	70	81	103	58	68	95
8.No spouse/partner	7473	7125	8023	6683	6194	6545
9.No Fin resp	143	160	316	329	339	340

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document. Unless otherwise noted, income variables refer to income received last calendar year.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

RwIUNWC sums the Respondent's income from unemployment and workers' compensation. Income from unemployment and workers' compensation are available separately in RwIUNEM and RwIWCMP. RwIFUNWC is the imputation flag that indicates whether any components are imputed, and if so, how much information is available for imputation.

RwIFUNEM and RwIFWCMP indicate whether the Respondent's component is imputed.

SwIUNWC, SwIUNEM, SwIWCMP, SwIFUNWC, SwIFUNEM and SwIFWCMP are the analogous spouse variables.

Unemployment and workers' compensation are not available for AHEAD Respondents in Waves 2A and 3A. RwIUNWC and SwIUNWC are set to .Q for all AHEAD Respondents in these waves. Same for RwIUNEM, RwIWCMP, SwIUNEM and SwIWCMP. RwIFUNWC and SwIFUNWC are set to .Q to flag the cases where this is done. Same for RwIFUNEM, SwIFUNEM, RwIFWCMP and SwIFWCMP.

Cross Wave Differences in Original HRS Data

The unemployment and workers' compensation questions are asked in all HRS waves for Respondent and spouse. The question wording varies slightly. In AHEAD (Waves 2A and 3A), there are no questions about unemployment and workers' compensation.

In Wave 1, the questions ask for income received in 1991. In Wave 2H, the questions ask for income received in 1993. Beginning in Wave 3H, the questions ask for income received in the last calendar year. The last calendar year is the year before the year of the interview.

The question about the amount received is:

"How much did you receive in (year)?"

Beginning in Wave 4, the question changes slightly to:

"How much did you receive in (year) (before taxes and other deductions)?"

In Wave 5, Respondents who are 65 years of age or older and report not working for pay in the last calendar year skip the questions about income from unemployment and workers' compensation. Respondents who are under 65 years of age, on the other hand, are asked both sets of questions, even if they are not working. From Wave 6 forward, the same pattern is true for Respondents who are 65 years of age or older. However, those who are under 65 years of age and report not working for pay in the last calendar year are asked the questions about income from unemployment but skip those related to workers' compensation.

Beginning in Wave 6, unfolding bracket questions are asked for unemployment and workers' compensation.

For AHEAD Respondents in Waves 2A and 3A, the income components corresponding to imputation flags R2IFUNEM, R2IFWCMP, S2IFUNEM, S2IFWCMP, R3IFUNEM, R3IFWCMP, S3IFUNEM, and S3IFWCMP are not available.

HRS Variables Used

```
HRS 1992:
    V15501          N8:1991:RECV UNEMP C:IND
    V15502          N8A:WHO RECVD UNEMP :IND
    V15503          N9:UNEMP COMP: AMTRE:IND
    V15523          N9:UNEMP COMP: AMTRE:IND
```

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    V15601          N13:1991:RECV WRKRS :IND
    V15602          N13A:WHO RECVD WRKRS:IND
    V15603          N16 WORK COMP: AMTRE:IND
    V15623          N16 WORK COMP: AMTRE:IND
    V5501           N8:1991:RECV UNEMP C:IMP
    V5502           N8A:WHO RECVD UNEMP :IMP
    V5503           N9:UNEMP COMP:$AMT R:IMP
    V5523           N11:UNEMP COMP:$AMT :IMP
    V5601           N13:1991:RECV WRKRS :IMP
    V5602           N13A:WHO RECVD WRKRS:IMP
    V5603           N14:WRKRS COMP:$AMT :IMP
    V5623           N16:WRK COMP:$AMT RE:IMP
HRS 1994:
    W15984          N9. Imputation flag
    W15985          N9a. Imputation flag
    W15986          N10. Imputation flag
    W16003          N12. Imputation flag
    W16020          N14. Imputation flag
    W16021          N14a. Imputation flag
    W16022          N15. Imputation flag
    W16039          N17. Imputation flag
    W5984           N9.UNEMPLOYMENT COMPENSA
    W5985           N9a.WHO RECD UNEMPLOYMEN
    W5986           N10.R-AMT UNEMPLOYMENT C
    W6003           N12.SP-AMT UNEMPLOYMENT
    W6020           N14.WORKERS COMPENSATION
    W6021           N14a.WHO RECD WORKERS CO
    W6022           N15.R-AMT WORKERS COMPEN
    W6039           N17.SP-AMT WORKERS COMPE
HRS 1996:
    E3871           J1.R OR SP WORK FOR PAY LCYEAR
    E3942           J21.WHETHER UNEMPL COMP LCY
    E3943           J22.WHO RECD UNEMPL COMP
    E3944           J23.AMT UNEMPL COMP LCY
    E3952           J28.AMT S/P UNEMPL COMP LCY
    E3961           J33.WHETHER WORKERS COMP LCY
    E3962           J34.WHO RECD WORKERS COMP
    E3963           J35.AMT WORKERS COMP LCY
    E3974           J40.AMT S/P WORKERS COMP LCY
HRS 1998:
    F4629           J1.R OR SP WORK FOR PAY LCYEAR
    F4702           J21.WHETHER UNEMPL COMP LCY
    F4703           J22.WHO RECD UNEMPL COMP
    F4704           J23.AMT UNEMPL COMP LCY
    F4712           J28.AMT S/P UNEMPL COMP LCY
    F4721           J33.WHETHER WORKERS COMP LCY
    F4722           J34.WHO RECD WORKERS COMP
    F4723           J35.AMT WORKERS COMP LCY
    F4734           J40.AMT S/P WORKERS COMP LCY
HRS 2000:
    G5068           J1.R OR SP WORK FOR PAY LCYEAR
    G5141           J21.WHETHER UNEMPL COMP LCY
    G5142           J22.WHO RECD UNEMPL COMP
    G5143           J23.AMT UNEMPL COMP LCY
    G5151           J28.AMT S/P UNEMPL COMP LCY
    G5160           J33.WHETHER WORKERS COMP LCY
    G5161           J34.WHO RECD WORKERS COMP
    G5162           J35.AMT WORKERS COMP LCY
    G5173           J40.AMT S/P WORKERS COMP LCY
```

HRS 2002-2022:

xQ010	R OR SP WORK FOR PAY - LCY
xQ064	R OR SP INCOME FROM UNEMPLOYMENT - LCY
xQ065	WHO RECEIVED INC FROM UNEMPLOYMENT LCY
xQ066	R AMOUNT FROM UNEMPLOYMENT - LCY
xQ067	R AMT FROM UNEMPLOYMENT- MIN
xQ068	R AMT FROM UNEMPLOYMENT - MAX
xQ070	SP AMOUNT FROM UNEMPLOYMENT - LCY
xQ071	SP AMT FROM UNEMPLOYMENT - MIN
xQ072	SP AMT FROM UNEMPLOYMENT - MAX
xQ074	R OR SP INCOME FROM WORKERS COMP - LCY
xQ075	WHO RECEIVED FROM WORKERS COMP LCY
xQ076	R AMOUNT FROM WORKERS COMP LCY
xQ077	R AMT FROM WORKERS COMP - MIN
xQ078	R AMT FROM WORKERS COMP - MAX
xQ080	SP AMOUNT FROM WORKERS COMP LCY
xQ081	SP AMT FROM WORKERS COMP - MIN
xQ082	SP AMT FROM WORKERS COMP - MAX

Tracker:

xFINR	1992-2022 WHETHER FINANCIAL RESPONDENT

Individual income from other government transfers

Wave	Variable	Label	Type
1	R1IGXFR	R1IGXFR:W1 Income:R Other Gov Transfer	Cont
2	R2IGXFR	R2IGXFR:W2 Income:R Other Gov Transfer	Cont
3	R3IGXFR	R3IGXFR:W3 Income:R Other Gov Transfer	Cont
4	R4IGXFR	R4IGXFR:W4 Income:R Other Gov Transfer	Cont
5	R5IGXFR	R5IGXFR:W5 Income:R Other Gov Transfer	Cont
6	R6IGXFR	R6IGXFR:W6 Income:R Other Gov Transfer	Cont
7	R7IGXFR	R7IGXFR:W7 Income:R Other Gov Transfer	Cont
8	R8IGXFR	R8IGXFR:W8 Income:R Other Gov Transfer	Cont
9	R9IGXFR	R9IGXFR:W9 Income:R Other Gov Transfer	Cont
10	R10IGXFR	R10IGXFR:W10 Income:R Other Gov Transfer	Cont
11	R11IGXFR	R11IGXFR:W11 Income:R Other Gov Transfer	Cont
12	R12IGXFR	R12IGXFR:W12 Income:R Other Gov Transfer	Cont
13	R13IGXFR	R13IGXFR:W13 Income:R Other Gov Transfer	Cont
14	R14IGXFR	R14IGXFR:W14 Income:R Other Gov Transfer	Cont
15	R15IGXFR	R15IGXFR:W15 Income:R Other Gov Transfer	Cont
16	R16IGXFR	R16IGXFR:W16 Income:R Other Gov Transfer	Cont
1	S1IGXFR	S1IGXFR:W1 Income:Sp Other Gov Transfer	Cont
2	S2IGXFR	S2IGXFR:W2 Income:Sp Other Gov Transfer	Cont
3	S3IGXFR	S3IGXFR:W3 Income:Sp Other Gov Transfer	Cont
4	S4IGXFR	S4IGXFR:W4 Income:Sp Other Gov Transfer	Cont
5	S5IGXFR	S5IGXFR:W5 Income:Sp Other Gov Transfer	Cont
6	S6IGXFR	S6IGXFR:W6 Income:Sp Other Gov Transfer	Cont
7	S7IGXFR	S7IGXFR:W7 Income:Sp Other Gov Transfer	Cont
8	S8IGXFR	S8IGXFR:W8 Income:Sp Other Gov Transfer	Cont
9	S9IGXFR	S9IGXFR:W9 Income:Sp Other Gov Transfer	Cont
10	S10IGXFR	S10IGXFR:W10 Income:Sp Other Gov Transfer	Cont
11	S11IGXFR	S11IGXFR:W11 Income:Sp Other Gov Transfer	Cont
12	S12IGXFR	S12IGXFR:W12 Income:Sp Other Gov Transfer	Cont
13	S13IGXFR	S13IGXFR:W13 Income:Sp Other Gov Transfer	Cont
14	S14IGXFR	S14IGXFR:W14 Income:Sp Other Gov Transfer	Cont
15	S15IGXFR	S15IGXFR:W15 Income:Sp Other Gov Transfer	Cont
16	S16IGXFR	S16IGXFR:W16 Income:Sp Other Gov Transfer	Cont
1	R1IFGXFR	R1IFGXFR:W1 ImpFlag:R Other Gov Transfer	Categ
2	R2IFGXFR	R2IFGXFR:W2 ImpFlag:R Other Gov Transfer	Categ
3	R3IFGXFR	R3IFGXFR:W3 ImpFlag:R Other Gov Transfer	Categ
4	R4IFGXFR	R4IFGXFR:W4 ImpFlag:R Other Gov Transfer	Categ
5	R5IFGXFR	R5IFGXFR:W5 ImpFlag:R Other Gov Transfer	Categ
6	R6IFGXFR	R6IFGXFR:W6 ImpFlag:R Other Gov Transfer	Categ
7	R7IFGXFR	R7IFGXFR:W7 ImpFlag:R Other Gov Transfer	Categ
8	R8IFGXFR	R8IFGXFR:W8 ImpFlag:R Other Gov Transfer	Categ
9	R9IFGXFR	R9IFGXFR:W9 ImpFlag:R Other Gov Transfer	Categ
10	R10IFGXFR	R10IFGXFR:W10 ImpFlag:R Other Gov Transfer	Categ
11	R11IFGXFR	R11IFGXFR:W11 ImpFlag:R Other Gov Transfer	Categ
12	R12IFGXFR	R12IFGXFR:W12 ImpFlag:R Other Gov Transfer	Categ
13	R13IFGXFR	R13IFGXFR:W13 ImpFlag:R Other Gov Transfer	Categ
14	R14IFGXFR	R14IFGXFR:W14 ImpFlag:R Other Gov Transfer	Categ
15	R15IFGXFR	R15IFGXFR:W15 ImpFlag:R Other Gov Transfer	Categ
16	R16IFGXFR	R16IFGXFR:W16 ImpFlag:R Other Gov Transfer	Categ
1	S1IFGXFR	S1IFGXFR:W1 ImpFlag:Sp Other Gov Transfer	Categ
2	S2IFGXFR	S2IFGXFR:W2 ImpFlag:Sp Other Gov Transfer	Categ
3	S3IFGXFR	S3IFGXFR:W3 ImpFlag:Sp Other Gov Transfer	Categ
4	S4IFGXFR	S4IFGXFR:W4 ImpFlag:Sp Other Gov Transfer	Categ
5	S5IFGXFR	S5IFGXFR:W5 ImpFlag:Sp Other Gov Transfer	Categ
6	S6IFGXFR	S6IFGXFR:W6 ImpFlag:Sp Other Gov Transfer	Categ
7	S7IFGXFR	S7IFGXFR:W7 ImpFlag:Sp Other Gov Transfer	Categ
8	S8IFGXFR	S8IFGXFR:W8 ImpFlag:Sp Other Gov Transfer	Categ
9	S9IFGXFR	S9IFGXFR:W9 ImpFlag:Sp Other Gov Transfer	Categ
10	S10IFGXFR	S10IFGXFR:W10 ImpFlag:Sp Other Gov Transfer	Categ
11	S11IFGXFR	S11IFGXFR:W11 ImpFlag:Sp Other Gov Transfer	Categ
12	S12IFGXFR	S12IFGXFR:W12 ImpFlag:Sp Other Gov Transfer	Categ
13	S13IFGXFR	S13IFGXFR:W13 ImpFlag:Sp Other Gov Transfer	Categ
14	S14IFGXFR	S14IFGXFR:W14 ImpFlag:Sp Other Gov Transfer	Categ
15	S15IFGXFR	S15IFGXFR:W15 ImpFlag:Sp Other Gov Transfer	Categ

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16    S16IFGXFR           S16IFGXFR:W16 ImpFlag:Sp Other Gov Transfer                    Categ
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Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IGXFR	12652	493.19	2674.11	0.0	60000.0
R2IGXFR	19642	289.40	2388.04	0.0	144000.0
R3IGXFR	17991	508.25	5870.27	0.0	396000.0
R4IGXFR	21384	517.59	4157.88	0.0	360000.0
R5IGXFR	19578	521.97	3304.64	0.0	96000.0
R6IGXFR	18165	566.28	3614.63	0.0	99600.0
R7IGXFR	20129	578.43	3493.78	0.0	66000.0
R8IGXFR	18469	681.47	4058.33	0.0	79656.0
R9IGXFR	17217	734.57	4345.62	0.0	98400.0
R10IGXFR	22034	809.03	4474.29	0.0	83076.0
R11IGXFR	20554	848.43	4635.99	0.0	96000.0
R12IGXFR	18747	975.31	4990.74	0.0	85704.0
R13IGXFR	20912	998.28	5386.12	0.0	120000.0
R14IGXFR	17146	1056.76	5710.62	0.0	111744.0
R15IGXFR	15723	1143.35	6670.91	0.0	420000.0
R16IGXFR	15787	1374.05	6745.11	0.0	127680.0
S1IGXFR	10279	426.08	2697.14	0.0	60000.0
S2IGXFR	13674	242.68	2327.66	0.0	144000.0
S3IGXFR	12334	545.64	6969.45	0.0	396000.0
S4IGXFR	14516	510.26	4734.84	0.0	360000.0
S5IGXFR	13041	506.90	3547.37	0.0	96000.0
S6IGXFR	11859	544.79	3830.32	0.0	99600.0
S7IGXFR	13352	562.77	3779.37	0.0	66000.0
S8IGXFR	12052	658.69	4340.65	0.0	79656.0
S9IGXFR	11012	730.95	4683.43	0.0	78000.0
S10IGXFR	14237	762.21	4757.79	0.0	83076.0
S11IGXFR	13081	801.29	4987.21	0.0	96000.0
S12IGXFR	11622	905.01	5363.24	0.0	85704.0
S13IGXFR	12889	950.16	5820.95	0.0	120000.0
S14IGXFR	10463	1171.36	11076.04	0.0	660000.0
S15IGXFR	9529	1116.37	7519.66	0.0	420000.0
S16IGXFR	9242	1164.41	6629.69	0.0	127680.0
R1IFGXFR	12652	0.18	0.85	0.0	9.0
R2IFGXFR	19642	0.20	0.84	0.0	9.0
R3IFGXFR	17991	0.18	0.83	0.0	9.0
R4IFGXFR	21384	0.20	0.94	0.0	9.0
R5IFGXFR	19578	0.17	0.83	0.0	9.0
R6IFGXFR	18165	0.13	0.58	0.0	9.0
R7IFGXFR	20129	0.15	0.69	0.0	9.0
R8IFGXFR	18469	0.16	0.65	0.0	9.0
R9IFGXFR	17217	0.17	0.70	0.0	9.0
R10IFGXFR	22034	0.35	1.28	0.0	9.0
R11IFGXFR	20554	0.27	0.92	0.0	9.0
R12IFGXFR	18747	0.30	1.02	0.0	9.0
R13IFGXFR	20912	0.38	1.26	0.0	9.0
R14IFGXFR	17146	0.42	1.39	0.0	9.0
R15IFGXFR	15723	0.46	1.52	0.0	9.0
R16IFGXFR	15787	0.50	1.52	0.0	9.0

S1IFGXFR	12652	1.64	3.16	0.0	9.0
S2IFGXFR	19642	2.55	3.67	0.0	9.0
S3IFGXFR	17991	2.62	3.71	0.0	9.0
S4IFGXFR	21384	2.70	3.74	0.0	9.0
S5IFGXFR	19578	2.77	3.76	0.0	9.0
S6IFGXFR	18165	2.85	3.79	0.0	9.0
S7IFGXFR	20129	2.78	3.77	0.0	9.0
S8IFGXFR	18469	2.86	3.79	0.0	9.0
S9IFGXFR	17217	2.98	3.82	0.0	9.0
S10IFGXFR	22034	3.06	3.83	0.0	9.0
S11IFGXFR	20554	3.07	3.81	0.0	9.0
S12IFGXFR	18747	3.21	3.85	0.0	9.0
S13IFGXFR	20912	3.31	3.87	0.0	9.0
S14IFGXFR	17146	3.39	3.89	0.0	9.0
S15IFGXFR	15723	3.45	3.90	0.0	9.0
S16IFGXFR	15787	3.62	3.92	0.0	9.0

Categorical Variable Codes

RwIFGXFR: ImpFlag:R Other Gov Transfer

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	11251	17392	16027	19112	17634	16449	18052	16436	15253	18200
1.No imputations	1133	1569	1486	1700	1469	1310	1670	1642	1544	2818
2.Some imputation	173	547	352	365	338	361	318	326	345	598
9.No Fin resp	95	134	126	207	137	45	89	65	75	418

Value	w11	w12	w13	w14	w15	w16
0.No income	17006	15272	16697	13641	12450	12044
1.No imputations	2802	2689	3178	2558	2259	2614
2.Some imputation	575	587	662	558	582	699
9.No Fin resp	171	199	375	389	432	430

SwIFGXFR: ImpFlag:Sp Other Gov Transfer

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	9365	12485	11334	13332	12076	11032	12344	11085	10065	12223
1.No imputations	693	744	724	797	706	594	754	763	716	1381
2.Some imputation	126	341	190	202	166	197	177	152	169	305
8.No Sp/part->no incm	2373	5968	5657	6868	6537	6306	6777	6417	6205	7797
9.No Fin resp	95	104	86	185	93	36	77	52	62	328

Value	w11	w12	w13	w14	w15	w16
0.No income	11281	9930	10802	8713	7920	7512
1.No imputations	1340	1241	1430	1119	959	1063
2.Some imputation	317	291	341	302	311	327
8.No Sp/part->no incm	7473	7125	8023	6683	6194	6545
9.No Fin resp	143	160	316	329	339	340

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document. Unless otherwise noted, income variables refer to income received last calendar year.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

RwIGXFR sums the Respondent's income from veterans' benefits, welfare, and food stamps. RwIFGXFR is a flag that indicates whether any components are imputed, and if so, how much information is available for imputation.

SwIGXFR and SwIFGXFR are the analogous spouse variables.

Veterans' benefits and food stamps are given as monthly amounts, which are multiplied by the appropriate number of months to derive the amount received in the last calendar year. For veterans' benefits, when we know the income was first received last calendar year, but no month information is available, we assume 6 months. Prior to Wave 10, we assumed 12 months. When neither the year of first receipt nor the months are known, we use 12 months.

For food stamps, when we know the income was received last calendar year, but no month information is available, we assume 6 months, accounting for the fact that this benefit is not necessarily received for an entire year and that households may not receive food stamps when their economic circumstances change. Prior to Wave 10, we assumed 12 months, and in Wave 10, we inadvertently used 0 months. When the Respondent reports receiving food stamps sometime since the last interview or in the last two years, but we know neither the year nor the month of receipt, we assume 6 months as well. Prior to Wave 11, we assumed 12 months. The assumptions that were used prior to Wave 11 will be updated as necessary in a future data release.

In all waves, veterans' benefits are reported individually and food stamps are reported for the household. In Wave 1, and from Wave 3 forward, welfare is reported for the household, but in Wave 2H it is reported individually. In Wave 2A, it is not reported at all.

Welfare income is split between the Respondent and spouse if the Respondent is married or partnered and the income is reported jointly. However, income from welfare is not split between the two members of the couple if only one reports receiving it, that is - it is assigned to the appropriate recipient. This logic does not apply for Wave 2H, since income from welfare is already reported individually. Nor

does it pertain to Wave 2A, since there is no direct question about income from welfare. Income from food stamps is always divided equally between the Respondent and spouse.

In Wave 1, the questions ask the amount of veterans' benefits and food stamps received in 1991. From Wave 2 forward, a monthly amount is asked. For veterans' benefits the first month received is also asked. Beginning in Wave 2H, the questions about food stamps ask which months they were received since the last interview. The variable derivation checks the months income was received and multiplies the monthly amount appropriately to calculate a yearly amount.

The individual components: RwIVET, R2IVETn, HwIFOOD, R2IWELF, and HwIWELF and their imputation flags are available in the RAND HRS Detailed Imputations File.

Cross Wave Differences in Original HRS Data

The way the income component questions are asked varies across waves.

In all waves, veterans' benefits are reported for Respondent and spouse individually, and food stamps are reported for the household. In Wave 1, and from Wave 3 forward, welfare is reported for the household, but in Wave 2H it can be reported individually or, if both the Respondent and spouse receive it, jointly.

In Wave 1, the questions ask for the annual amount of veterans' benefits and food stamps received in 1991. From Wave 2 forward, the amount of veterans' benefits received last month and the amount of food stamps in the latest month received are asked. For veterans' benefits the first month received is also asked. Beginning in Wave 2H, the questions about food stamps ask which months since last interview they were received. For welfare the question asks for the annual amount in all waves. Beginning in Wave 6, bracket amounts are asked for welfare, food stamps, and transfer income.

From Wave 3 forward, if the Respondent refuses or does not know the value of monthly veterans' benefits, a series of unfolding bracket questions are asked. The bracket amounts are the same across waves. The exception to this is in Wave 3A, where the bracket amounts are based on the last year, rather than the last month. In Waves 1 and 2, no unfolding bracket questions are asked.

The income questions in Wave 2A are very different from other waves. Most distinctive are the "regular income" for Respondent and spouse and "other household income." After standard questions about Social Security income, SSI and food stamps, other income is asked about in a general way. If other income is present, Respondents are asked to specify the source of income. In other waves, most income types are asked specifically (e.g., Do you receive veterans' benefits?).

In Wave 2A, Financial Respondents are asked the following questions about their own income then their spouse's:

a) "Do you receive any (other) regular income payments; for example, from retirement pensions, Veterans Benefits, annuities, payments from an IRA account, or anything like that?"

b) "Please think about the largest (other) regular income you receive. What type of income is that?"

[IWER: PROBE WITH CATEGORIES ONLY IF R NEEDS HELP]

1.VETERANS BENEFITS

2.RETIREMENT OR OTHER PENSIONS

3.ANNUITY

4.IRA DISTRIBUTION

5.STOCKS AND BONDS

7.OTHER

8.DK

9.RF

This set of questions is repeated twice so that Respondents can report up to 3 current other regular incomes. Then they are asked:

a) "Did you receive any other regular income in (last calendar year) that you no longer receive?"

b) "What type of income was that?"

(Same categories as above)

So there are a total of 4 other regular incomes that can be reported. Categories may be specified more than once, and there are up to 2 different instances of veterans' benefits. Besides pensions and annuities, other waves allow only one reported amount for most income categories, so that a Respondent would give a total of all veterans' benefits income received.

If income is received, subsequent questions serve to identify the date of receipt (was income received in last calendar year?) and amount received. There are no unfolding brackets for income in Wave 2A.

In Wave 12, there are 64 Respondents who report receiving food stamps (OQ400 = 1), have missing (.) values for the "year received food stamps" questions (OQW776_1, OQW776_2, OQW776_3, OQW776_4), but do answer the "amount received" questions (OQ406 or OQ410). According to HRS, this is due to a programming oversight, resulting in the OQW776 questions being skipped for Respondents who completed the survey in 2015. We assume that these Respondents received food stamps for 6 months in the last calendar year.

HRS Variables Used

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HRS 1992:
    V15701          N18:RECV VETERANS BE:IND
    V15702          N18A:WHO RECVD VET B:IND
    V15704          N20:VET BN:R1 REC91I:IND
    V15709          N20:VET BN:R2 REC91I:IND
    V15901          N36:RECV WELFARE IN :IND
    V15903          N37A:B:C AMT RECDIND:IND
    V16211          N51:RCV FOOD STAMPS :IND
    V16212          N51A:FOOD ST/M AMT I:IND
    V5701           N18:RECV VETERANS BE:IMP
    V5702           N18A:WHO RECVD VET B:IMP
    V5704           N20:VET BN:R1$AMT RE:IMP
    V5705           N20:VET BN:R1PAY PER:IMP
    V5709           N23:VET BN:R2$AMT RE:IMP
    V5710           N23:VET BN:R2PAY PER:IMP
    V5901           N36:RECV WELFARE IN :IMP
    V5903           N37A:B:C: AMT RECVD :IMP
    V6211           N51:RCV FOOD STAMPS :IMP
    V6212           N51A:FD STMP:  AMT/M:IMP
    V6213           N51A:FD STMP:PER 2 W:IMP
AHEAD 1993:
    B1430           J13. FS: RECEIVE ANY FOOD STAMPS LAST MO
    B1432           J13a. FS: $ LAST MONTH
    B1442           J14a. FS: START MONTH FOOD STAMPS
    B1443           J14b. FS: START YEAR FOOD STAMPS
    B1444           J15. FS: RECEIVE ANY 1992/93
    B1450           J16. FS: LAST MONTH RECD 1992/3
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B1451	J16a. FS: LAST YEAR RECD 1992/3
B1452	J17. FS: $ LAST MONTH 1992/3
B1456	J19. R REG INC: RECEIVE ANY
B1457	J20-1. R REG INC: TYPE-1
B1458	J21-1. R REG INC: PAID PER MONTH-1
B1459	J21b-1. R REG INC: $ PERIOD-1
B1460	J21c-1. R REG INC: $ LAST PERIOD-1
B1462	J21e-1. R REG INC: START >2YRS AGO-1
B1463	J21f-1. R REG INC: START MONTH-1
B1464	J21g-1. R REG INC: START YEAR-1
B1473	J26-1. R REG INC: ANY OTHER-1
B1475	J20-2. R REG INC: TYPE-2
B1476	J21-2. R REG INC: PAID PER MONTH-2
B1477	J21b-2. R REG INC: $ PERIOD-2
B1478	J21c-2. R REG INC: $ LAST PERIOD-2
B1480	J21e-2. R REG INC: START >2YRS AGO-2
B1481	J21f-2. R REG INC: START MONTH-2
B1482	J21g-2. R REG INC: START YEAR-2
B1491	J26-2. R REG INC: ANY OTHER-2
B1492	J20-3. R REG INC: TYPE-3
B1493	J21-3. R REG INC: PAID PER MONTH-3
B1494	J21b-3. R REG INC: $ PERIOD-3
B1495	J21c-3. R REG INC: $ LAST PERIOD-3
B1497	J21e-3. R REG INC: START >2YRS AGO-3
B1498	J21f-3. R REG INC: START MONTH-3
B1499	J21g-3. R REG INC: START YEAR-3
B1508	J27. R REG INC: ANY END 1992/3
B1509	J27a. R REG INC END1992/3: TYPE
B1510	J28. R REG INC END 1992/3: PAID PER MO
B1511	J28a. R REG INC END 1992/3: $ PERIOD
B1512	J28b.R REG INC END1992/3:$ LAST PERIOD
B1513	J28c. R REG INC END92/3: LAST MO RECD
B1514	J28d. R REG INC END92/3: LAST YR RECD
B1515	J29. SP REG INC: RECEIVE ANY
B1517	J30-1. SP REG INC: TYPE-1
B1518	J31-1. SP REG INC: PAID PER MONTH-1
B1519	J31b-1. SP REG INC: $ PERIOD-1
B1520	J31c-1. SP REG INC: $ LAST PERIOD-1
B1522	J31e-1. SP REG INC: START >2YRS AGO-1
B1523	J31f-1. SP REG INC: START MONTH-1
B1524	J31g-1. SP REG INC: START YEAR-1
B1533	J36-1. SP REG INC: ANY OTHER-1
B1539	J30-2. SP REG INC: TYPE-2
B1540	J31-2. SP REG INC: PAID PER MONTH-2
B1541	J31b-2. SP REG INC: $ PERIOD-2
B1542	J31c-2. SP REG INC: $ LAST PERIOD-2
B1544	J31e-2. SP REG INC: START >2YRS AGO-2
B1545	J31f-2. SP REG INC: START MONTH-2
B1546	J31g-2. SP REG INC: START YEAR-2
B1555	J36-2. SP REG INC: ANY OTHER-2
B1560	J30-3. SP REG INC: TYPE-3
B1561	J31-3. SP REG INC: PAID PER MONTH-3
B1562	J31b-3. SP REG INC: $ PERIOD-3
B1563	J31c-3. SP REG INC: $ LAST PERIOD-3
B1565	J31e-3. SP REG INC: START >2YRS AGO-3
B1566	J31f-3. SP REG INC: START MONTH-3
B1567	J31g-3. SP REG INC: START YEAR-3
B1576	J37. SP REG INC: ANY END 92/93
B1577	J37a. SP REG INC END 92/93: TYPE

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    B1578           J37b. SP REG INC END 92/93: LAST MO RECD
    B1579           J37b. SP REG INC END 92/93: LAST YR RECD
    B1580           J37c. SP REG INC END 92/93: PAID PER MO
    B1581           J37d. SP REG INC END 92/93: $ PERIOD
    B1582           J37e. SP REG INC END 92/93: $ LST PERIOD
HRS 1994:
    W16056          N19. Imputation flag
    W16063          N19g. Imputation flag
    W16067          N19m. Imputation flag
    W16282          N26. Imputation flag
    W16283          N27. Imputation flag
    W16284          N27a1. Imputation flag
    W16285          N27b1. Imputation flag
    W6056           N19.VETERANS BENEFITS?
    W6057           N19a.WHO RECD VETERANS B
    W6063           N19g.R-AMT VETERANS BENE
    W6064           N19h.R-MONTH START VETER
    W6065           N19h.R-YEAR START VETERA
    W6067           N19m.SP-AMT VETERANS BEN
    W6068           N19n.SP-MONTH START VETE
    W6069           N19n.SP-YEAR START VETER
    W6282           N26.WELFARE?
    W6283           N27.WHO RECEIVED WELFARE
    W6284           N27a1.R-AMT WELFARE 1993
    W6285           N27b1.SP-AMT WELFARE 199
    W6286           N27c1.BOTH-AMT WELFARE 1
    W6311           N32.GOVT FOOD STAMPS SIN
    W6312           N32a.WHICH MONTHS
    W6313           N32a.START/STOP FOOD STA
    W6314           N32a.START/STOP FOOD STA
    W6327           N32b. Jan 1993
    W6328           N32b. Feb 1993
    W6329           N32b. Mar 1993
    W6330           N32b. Apr 1993
    W6331           N32b. May 1993
    W6332           N32b. Jun 1993
    W6333           N32b. Jul 1993
    W6334           N32b. Aug 1993
    W6335           N32b. Sep 1993
    W6336           N32b. Oct 1993
    W6337           N32b. Nov 1993
    W6338           N32b. Dec 1993
    W6352           N32b. All of 1993
    W6354           N32b. Other
    W6355           N32b. DK
    W6356           N32b. RF
    W6357           N32c.AMT FOOD STAMPS LAS
AHEAD 1995:
    D3927           J12.WHETHER WELFARE 1993
    D3929           J12B.AMT WELFARE LCY
    D3935           J13.VET BENEFITS
    D3936           J13A.VET WHO REC
    D3937           J13A.R VET BENEFIT OPEN
    D3940           J13D.J13C,DK
    D3941           J13E.J13C,DK-2
    D3942           J13F.J13C,DK-3
    D3950           J13N.SP VET BENEFIT OPEN
    D3953           J13Q.DK-1
    D3954           J13R.J13C,DK-2
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    D3955           J13S.J13C,DK-3
    D4587           J65.WHETHER FOOD STAMPS 1994
    D4595           J65E.AMT FOOD STAMPS
    D4597           J65G.AMT FOOD STAMPS LAST MONTH
HRS 1996:
    E4036           J64.R/S WHETHER WELFARE LCY
    E4038           J66.AMT WELFARE LCY
    E4041           J67.VET BENEFITS
    E4042           J68.VET WHO REC
    E4043           J69.R VET BENEFIT LAST MONTH
    E4046B          J69.R VET BENEFIT LAST MONTH/Bkt
    E4051           J70.R VET BENEFIT START YEAR
    E4052           J70A.R VET BENEFIT START MONTH
    E4056           J72.AMT SP VET BEN LAST MO
    E4059B          J72.AMT SP VET BEN LAST MO/Bkt
    E4064           J73.SP VET BENEFIT START YEAR
    E4065           J73A.SP VET BENEFIT START MONTH
    E4588           J255.WHETHER FOOD STAMPS 1994
    E4589           J256.WHICH MONTHS
    E4590           J257.MONTH
    E4591           J258.YEAR
    E4593M16        J259.SPECIFIC MONTH  - JAN 95
    E4593M17        J259.SPECIFIC MONTH  - FEB 95
    E4593M18        J259.SPECIFIC MONTH  - MAR 95
    E4593M19        J259.SPECIFIC MONTH  - APR 95
    E4593M20        J259.SPECIFIC MONTH  - MAY 95
    E4593M21        J259.SPECIFIC MONTH  - JUN 95
    E4593M22        J259.SPECIFIC MONTH  - JUL 95
    E4593M23        J259.SPECIFIC MONTH  - AUG 95
    E4593M24        J259.SPECIFIC MONTH  - SEP 95
    E4593M25        J259.SPECIFIC MONTH  - OCT 95
    E4593M26        J259.SPECIFIC MONTH  - NOV 95
    E4593M27        J259.SPECIFIC MONTH  - DEC 95
    E4593M28        J259.SPECIFIC MONTH  - JAN 96
    E4593M29        J259.SPECIFIC MONTH  - FEB 96
    E4593M30        J259.SPECIFIC MONTH  - MAR 96
    E4593M31        J259.SPECIFIC MONTH  - APR 96
    E4593M32        J259.SPECIFIC MONTH  - MAY 96
    E4593M33        J259.SPECIFIC MONTH  - JUN 96
    E4593M34        J259.SPECIFIC MONTH  - JUL 96
    E4596           J260.AMT FOOD STAMPS
    E4598           J262.AMT FOOD STAMPS LAST MONTH
HRS 1998:
    F4796           J64.R/S WHETHER WELFARE LCY
    F4798           J66.AMT WELFARE LCY
    F4801           J67.VET BENEFITS
    F4802           J68.VET WHO REC
    F4803           J69.R VET BENEFIT LAST MONTH
    F4806           J69A.DK-1K
    F4807           J69B.DK-1500
    F4808           J69C.DK-500
    F4811           J70.R VET BENEFIT START YEAR
    F4812           J70A.R VET BENEFIT START MONTH
    F4816           J72.AMT SP VET BEN LAST MO
    F4819           J72A.DK-1K
    F4820           J72B.DK-1,500
    F4821           J72C.DK-500
    F4824           J73.SP VET BENEFIT START YEAR
    F4825           J73A.SP VET BENEFIT START MONTH
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    F5348           J255.WHETHER FOOD STAMPS 1996
    F5349           J256.WHICH MONTHS
    F5350           J257.MONTH
    F5351           J258.YEAR
    F5353M1         J259.SPECIFIC MONTHS
    F5353M10        J259.SPECIFIC MONTHS
    F5353M2         J259.SPECIFIC MONTHS
    F5353M3         J259.SPECIFIC MONTHS
    F5353M4         J259.SPECIFIC MONTHS
    F5353M5         J259.SPECIFIC MONTHS
    F5353M6         J259.SPECIFIC MONTHS
    F5353M7         J259.SPECIFIC MONTHS
    F5353M8         J259.SPECIFIC MONTHS
    F5353M9         J259.SPECIFIC MONTHS
    F5356           J260.AMT FOOD STAMPS
    F5358           J262.AMT FOOD STAMPS LAST MONTH
HRS 2000:
    G5239           J64.R/S WHETHER WELFARE LCY
    G5241           J66.AMT WELFARE LCY
    G5244           J67.VET BENEFITS
    G5247           J68.VET WHO REC
    G5248           J69.R VET BENEFIT LAST MONTH
    G5251           J69A.DK-1K
    G5252           J69B.DK-1500
    G5253           J69C.DK-500
    G5256           J70.R VET BENEFIT START YEAR
    G5257           J70A.R VET BENEFIT START MONTH
    G5261           J72.AMT SP VET BEN LAST MO
    G5264           J72A.DK-1K
    G5265           J72B.DK-1500
    G5266           J72C.DK-500
    G5269           J73.SP VET BENEFIT START YEAR
    G5270           J73A.SP VET BENEFIT START MONTH
    G5735           J255. FOOD STAMPS SINCE LAST IW
    G5736           J256.WHICH MONTHS
    G5737           J257.MONTH
    G5738           J258.YEAR
    G5740M1         J259.SPECIFIC MONTHS
    G5740M10        J259.SPECIFIC MONTHS
    G5740M2         J259.SPECIFIC MONTHS
    G5740M3         J259.SPECIFIC MONTHS
    G5740M4         J259.SPECIFIC MONTHS
    G5740M5         J259.SPECIFIC MONTHS
    G5740M6         J259.SPECIFIC MONTHS
    G5740M7         J259.SPECIFIC MONTHS
    G5740M8         J259.SPECIFIC MONTHS
    G5740M9         J259.SPECIFIC MONTHS
    G5743           J260.AMT FOOD STAMPS
    G5745           J262.AMT FOOD STAMPS LAST MONTH
HRS 2002:
    HQ404M01        SPECIFIC MONTH -1
    HQ404M02        SPECIFIC MONTH -2
    HQ404M03        SPECIFIC MONTH -3
    HQ404M04        SPECIFIC MONTH -4
    HQ404M05        SPECIFIC MONTH -5
    HQ404M06        SPECIFIC MONTH -6
    HQ404M07        SPECIFIC MONTH -7
    HQ404M08        SPECIFIC MONTH -8
    HQ404M09        SPECIFIC MONTH -9
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HRS 2004:
JQ404M27 FOOD STAMPS-MONTH -27
JQ404M28 FOOD STAMPS-MONTH -28
JQ404M29 FOOD STAMPS-MONTH -29
JQ404M30 FOOD STAMPS-MONTH -30
JQ404M31 FOOD STAMPS-MONTH -31
JQ404M32 FOOD STAMPS-MONTH -32
HRS 2010:
MQW778_1M6 ANY MONTHS RECIEVED FOOD STAMPS - 1
MQW778_4M12 ANY MONTHS RECIEVED FOOD STAMPS - 4
HRS 2012:
NQW778_4M12 ANY MONTHS RECIEVED FOOD STAMPS - 4
HRS 2014:
OQW778_4M12 ANY MONTHS RECIEVED FOOD STAMPS - 4
HRS 2018:
QQW778_4M12 ANY MONTHS RECEIVED FOOD STAMPS - 4
HRS 2020:
RQW778_4M12 ANY MONTHS RECEIVED FOOD STAMPS - 4
HRS 2022:
SQW778_4M12 ANY MONTHS RECEIVED FOOD STAMPS - 4
HRS 2002-2004:
xQ404M23 SPECIFIC MONTH -23
xQ404M24 SPECIFIC MONTH -24
xQ404M25 SPECIFIC MONTH -25
xQ404M26 SPECIFIC MONTH -26
HRS 2002-2006:
xQ404M22 SPECIFIC MONTH -22
HRS 2002-2008:
xQ401 WHICH MONTHS HH FOOD STAMPS
xQ402 MONTH HH STARTED RECEIVING FOOD STAMPS
xQ403 YEAR HH STARTED RECEIVING FOOD STAMPS
xQ404M10 SPECIFIC MONTH -10
xQ404M11 SPECIFIC MONTH -11
xQ404M12 SPECIFIC MONTH -12
xQ404M13 SPECIFIC MONTH -13
xQ404M14 SPECIFIC MONTH -14
xQ404M15 SPECIFIC MONTH -15
xQ404M16 SPECIFIC MONTH -16
xQ404M17 SPECIFIC MONTH -17
xQ404M18 SPECIFIC MONTH -18
xQ404M19 SPECIFIC MONTH -19
xQ404M20 SPECIFIC MONTH -20
xQ404M21 SPECIFIC MONTH -21
HRS 2002-2022:
xQ113 R OR SP INCOME FR WELFARE NOT SSI - LCY
xQ115 AMOUNT FROM WELFARE LCY
xQ119 R OR SP INC FR VETERAN BEN MILITARY PENS
xQ120 WHO RECEIVES VET BEN MILITARY PENSION
xQ121 R AMT FR VETERAN BENEFITS - LAST MONTH
xQ122 R AMT FR VETERAN BENEFITS - MIN
xQ123 R AMT FR VETERAN BENEFITS - MAX
xQ124 R AMT FR VETERAN BENEFITS - RESULT
xQ125 R YEAR STARTED VETERAN BENEFITS
xQ126 R MONTH STARTED VETERAN BENEFITS
xQ127 SP AMT FR VETERAN BENEFITS - LAST MONTH
xQ128 SP AMT FR VETERAN BENEFITS - MIN
xQ129 SP AMT FR VETERAN BENEFITS - MAX
xQ130 SP AMT VETERAN BENEFITS - RESULT
xQ131 SP YEAR STARTED VETERAN BENEFITS

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    xQ132           SP MONTH STARTED VETERAN  BENEFITS
    xQ400           HH FOOD STAMPS SINCE LAST IW
    xQ406           AMT FOOD STAMPS HH RECD - LAST MONTH
    xQ410           AMT FOOD STAMPS HH CURR REC - LAST MONTH
HRS 2004-2008:
    xQ404M1         FOOD STAMPS-MONTH -1
    xQ404M2         FOOD STAMPS-MONTH -2
    xQ404M3         FOOD STAMPS-MONTH -3
    xQ404M4         FOOD STAMPS-MONTH -4
    xQ404M5         FOOD STAMPS-MONTH -5
    xQ404M6         FOOD STAMPS-MONTH -6
    xQ404M7         FOOD STAMPS-MONTH -7
    xQ404M8         FOOD STAMPS-MONTH -8
    xQ404M9         FOOD STAMPS-MONTH -9
HRS 2010-2022:
    xQW776_1        YEAR RECIEVED FOOD STAMPS - 1
    xQW776_2        YEAR RECIEVED FOOD STAMPS - 2
    xQW776_3        YEAR RECIEVED FOOD STAMPS - 3
    xQW776_4        YEAR RECIEVED FOOD STAMPS - 4
    xQW777_1        ANY MONTHS RECIEVED FOOD STAMPS - 1
    xQW777_2        ANY MONTHS RECIEVED FOOD STAMPS - 2
    xQW777_3        ANY MONTHS RECIEVED FOOD STAMPS - 3
    xQW777_4        ANY MONTHS RECIEVED FOOD STAMPS - 4
    xQW778_1M1      ANY MONTHS RECIEVED FOOD STAMPS - 1
    xQW778_1M2      ANY MONTHS RECIEVED FOOD STAMPS - 1
    xQW778_1M3      ANY MONTHS RECIEVED FOOD STAMPS - 1
    xQW778_1M4      ANY MONTHS RECIEVED FOOD STAMPS - 1
    xQW778_1M5      ANY MONTHS RECIEVED FOOD STAMPS - 1
    xQW778_2M1      ANY MONTHS RECIEVED FOOD STAMPS - 2
    xQW778_2M10     ANY MONTHS RECIEVED FOOD STAMPS - 2
    xQW778_2M11     ANY MONTHS RECIEVED FOOD STAMPS - 2
    xQW778_2M12     ANY MONTHS RECIEVED FOOD STAMPS - 2
    xQW778_2M2      ANY MONTHS RECIEVED FOOD STAMPS - 2
    xQW778_2M3      ANY MONTHS RECIEVED FOOD STAMPS - 2
    xQW778_2M4      ANY MONTHS RECIEVED FOOD STAMPS - 2
    xQW778_2M5      ANY MONTHS RECIEVED FOOD STAMPS - 2
    xQW778_2M6      ANY MONTHS RECIEVED FOOD STAMPS - 2
    xQW778_2M7      ANY MONTHS RECIEVED FOOD STAMPS - 2
    xQW778_2M8      ANY MONTHS RECIEVED FOOD STAMPS - 2
    xQW778_2M9      ANY MONTHS RECIEVED FOOD STAMPS - 2
    xQW778_3M1      ANY MONTHS RECIEVED FOOD STAMPS - 3
    xQW778_3M10     ANY MONTHS RECIEVED FOOD STAMPS - 3
    xQW778_3M11     ANY MONTHS RECIEVED FOOD STAMPS - 3
    xQW778_3M12     ANY MONTHS RECIEVED FOOD STAMPS - 3
    xQW778_3M2      ANY MONTHS RECIEVED FOOD STAMPS - 3
    xQW778_3M3      ANY MONTHS RECIEVED FOOD STAMPS - 3
    xQW778_3M4      ANY MONTHS RECIEVED FOOD STAMPS - 3
    xQW778_3M5      ANY MONTHS RECIEVED FOOD STAMPS - 3
    xQW778_3M6      ANY MONTHS RECIEVED FOOD STAMPS - 3
    xQW778_3M7      ANY MONTHS RECIEVED FOOD STAMPS - 3
    xQW778_3M8      ANY MONTHS RECIEVED FOOD STAMPS - 3
    xQW778_3M9      ANY MONTHS RECIEVED FOOD STAMPS - 3
    xQW778_4M1      ANY MONTHS RECIEVED FOOD STAMPS - 4
    xQW778_4M10     ANY MONTHS RECIEVED FOOD STAMPS - 4
    xQW778_4M11     ANY MONTHS RECIEVED FOOD STAMPS - 4
    xQW778_4M2      ANY MONTHS RECIEVED FOOD STAMPS - 4
    xQW778_4M3      ANY MONTHS RECIEVED FOOD STAMPS - 4
    xQW778_4M4      ANY MONTHS RECIEVED FOOD STAMPS - 4
    xQW778_4M5      ANY MONTHS RECIEVED FOOD STAMPS - 4
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    xQW778_4M6      ANY MONTHS RECIEVED FOOD STAMPS - 4
    xQW778_4M7      ANY MONTHS RECIEVED FOOD STAMPS - 4
    xQW778_4M8      ANY MONTHS RECIEVED FOOD STAMPS - 4
    xQW778_4M9      ANY MONTHS RECIEVED FOOD STAMPS - 4
    xQW786          PRIOR MONTHS
Tracker:
    xFINR               1992-2022 WHETHER FINANCIAL RESPONDENT
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All other household income

Wave	Variable	Label	Type
1	H1IOTHR	H1IOTHR:W1 Income:Other Household	Cont
2	H2IOTHR	H2IOTHR:W2 Income:Other Household	Cont
3	H3IOTHR	H3IOTHR:W3 Income:Other Household	Cont
4	H4IOTHR	H4IOTHR:W4 Income:Other Household	Cont
5	H5IOTHR	H5IOTHR:W5 Income:Other Household	Cont
6	H6IOTHR	H6IOTHR:W6 Income:Other Household	Cont
7	H7IOTHR	H7IOTHR:W7 Income:Other Household	Cont
8	H8IOTHR	H8IOTHR:W8 Income:Other Household	Cont
9	H9IOTHR	H9IOTHR:W9 Income:Other Household	Cont
10	H10IOTHR	H10IOTHR:W10 Income:Other Household	Cont
11	H11IOTHR	H11IOTHR:W11 Income:Other Household	Cont
12	H12IOTHR	H12IOTHR:W12 Income:Other Household	Cont
13	H13IOTHR	H13IOTHR:W13 Income:Other Household	Cont
14	H14IOTHR	H14IOTHR:W14 Income:Other Household	Cont
15	H15IOTHR	H15IOTHR:W15 Income:Other Household	Cont
16	H16IOTHR	H16IOTHR:W16 Income:Other Household	Cont
1	H1IFOTHR	H1IFOTHR:W1 ImpFlag:Other Household Inc	Categ
2	H2IFOTHR	H2IFOTHR:W2 ImpFlag:Other Household Inc	Categ
3	H3IFOTHR	H3IFOTHR:W3 ImpFlag:Other Household Inc	Categ
4	H4IFOTHR	H4IFOTHR:W4 ImpFlag:Other Household Inc	Categ
5	H5IFOTHR	H5IFOTHR:W5 ImpFlag:Other Household Inc	Categ
6	H6IFOTHR	H6IFOTHR:W6 ImpFlag:Other Household Inc	Categ
7	H7IFOTHR	H7IFOTHR:W7 ImpFlag:Other Household Inc	Categ
8	H8IFOTHR	H8IFOTHR:W8 ImpFlag:Other Household Inc	Categ
9	H9IFOTHR	H9IFOTHR:W9 ImpFlag:Other Household Inc	Categ
10	H10IFOTHR	H10IFOTHR:W10 ImpFlag:Other Household Inc	Categ
11	H11IFOTHR	H11IFOTHR:W11 ImpFlag:Other Household Inc	Categ
12	H12IFOTHR	H12IFOTHR:W12 ImpFlag:Other Household Inc	Categ
13	H13IFOTHR	H13IFOTHR:W13 ImpFlag:Other Household Inc	Categ
14	H14IFOTHR	H14IFOTHR:W14 ImpFlag:Other Household Inc	Categ
15	H15IFOTHR	H15IFOTHR:W15 ImpFlag:Other Household Inc	Categ
16	H16IFOTHR	H16IFOTHR:W16 ImpFlag:Other Household Inc	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1IOTHR	12652	1954.87	16982.54	0.0	950000.0
H2IOTHR	19642	1719.49	16026.43	0.0	1035000.0
H3IOTHR	17991	1379.99	13270.81	0.0	700000.0
H4IOTHR	21384	2254.66	24696.04	0.0	1000000.0
H5IOTHR	19578	2948.80	55650.54	0.0	5000000.0
H6IOTHR	18165	2146.72	25632.74	0.0	1200000.0
H7IOTHR	20129	2943.41	29400.85	0.0	1000000.0
H8IOTHR	18469	3227.02	58391.76	0.0	5024500.0
H9IOTHR	17217	2503.96	44278.38	0.0	5150000.0
H10IOTHR	22034	2509.01	31242.46	0.0	2000000.0
H11IOTHR	20554	2242.64	23054.71	0.0	1300000.0
H12IOTHR	18747	2501.38	25304.72	0.0	1130000.0
H13IOTHR	20912	3233.54	38304.49	0.0	1508000.0
H14IOTHR	17146	3830.05	60257.87	0.0	3150000.0
H15IOTHR	15723	3384.47	39397.32	0.0	1500000.0
H16IOTHR	15787	4934.05	75126.84	0.0	4000000.0
H1IFOTHR	12652	0.19	0.86	0.0	9.0
H2IFOTHR	19642	0.21	0.85	0.0	9.0
H3IFOTHR	17991	0.16	0.82	0.0	9.0

H4IFOTHR	21384	0.21	0.96	0.0	9.0
H5IFOTHR	19578	0.17	0.83	0.0	9.0
H6IFOTHR	18165	0.12	0.57	0.0	9.0
H7IFOTHR	20129	0.15	0.71	0.0	9.0
H8IFOTHR	18469	0.13	0.64	0.0	9.0
H9IFOTHR	17217	0.14	0.69	0.0	9.0
H10IFOTHR	22034	0.28	1.27	0.0	9.0
H11IFOTHR	20554	0.17	0.88	0.0	9.0
H12IFOTHR	18747	0.20	0.98	0.0	9.0
H13IFOTHR	20912	0.26	1.24	0.0	9.0
H14IFOTHR	17146	0.30	1.37	0.0	9.0
H15IFOTHR	15723	0.34	1.50	0.0	9.0
H16IFOTHR	15787	0.35	1.50	0.0	9.0

Categorical Variable Codes

HwIFOTHR: ImpFlag:Other Household Inc

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	11232	17254	16378	19207	17709	16718	18313	16918	15811	19783
1.No imputations	1093	1593	1203	1409	1369	1023	1208	1106	963	1225
2.Some imputation	232	661	284	561	363	379	519	380	368	608
9.No Fin resp	95	134	126	207	137	45	89	65	75	418

Value	w11	w12	w13	w14	w15	w16
0.No income	18913	17055	18972	15517	14145	14139
1.No imputations	1063	1063	1072	844	774	793
2.Some imputation	407	430	493	396	372	425
9.No Fin resp	171	199	375	389	432	430

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document. Unless otherwise noted, income variables refer to income received last calendar year.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

HwIOTHR sums alimony, other income, and lump sums from insurance, pension, and inheritance. HwIFOTHR is a flag that indicates whether any components are imputed, and if so, how much information is available for imputation.

In Wave 1, lump sum income from pensions, insurance, and inheritance are available. Beginning in Wave 2, the questions about lump sum income are generic, but the type and the year in which the lump sum was received are also asked. Only amounts reported as being received from insurance, pension, and inheritance in the last calendar year are included here.

In Waves 1 and 2A, income from friends and family are reported. In later waves, income from friends and family is specifically

excluded in question wording about other income. For consistency, income from friends and family are NOT included in this income measure.

For Wave 2A, and from Wave 7 forward, income from alimony (or child support payments) was not asked about. Therefore, this type of income is not included amongst the components that are used to derive other household income.

The individual components: HwIALMNY, HwILUYRn, HwIOTHIn and their imputation flags are available in RAND HRS Detailed Imputations File.

Cross Wave Differences in Original HRS Data

The way that some of the income component questions are asked may vary across waves. The questions about lump sum income and other household income change across waves, while the questions on alimony remain the same across waves through Wave 6. From Wave 7 forward, the question about alimony is not asked.

In Wave 1, questions in the income section ask three separate questions, one for each type of lump sum:

"Did you (or your (husband/wife/partner)) receive a lump sum of money in 1991 from (pensions, insurance, inheritance)?"

In Wave 2, the lump sum income questions are asked in the assets section of the questionnaire:

"People sometimes receive property or lump sum payments of money from such things as pension settlements, insurance settlements, cashing in annuities, or inheritances. In the past two years did you (or your (husband/wife/partner)) receive a lump sum of money or property worth $500 or more that you have not already told me about? Do not include loans or gifts."

The Wave 3 question wording is similar to that in Wave 2H. Instead of "the past two years," the wording is "since (previous interview month)" if the Respondent has a previous interview. Also the words "worth $500" are dropped.

Beginning in Wave 4, the question wording is:

"People sometimes receive large amounts of property or money in the form of an inheritance, a trust fund, an insurance settlement, and so on. Have you (or your spouse/partner) (ever/since last interview) received money or property in the form of an inheritance, a trust fund, or an insurance settlement?"

Note that the word "large" is included and the reference period is "ever" if this is the Respondent's first interview. A note to the interviewer indicates that "large" means $10,000 or more.

From Wave 2 forward, the type of payment and month received are asked and questions about any other lump sum, one or two more times. The amount question asks about the largest or next largest lump sum. Thus the amounts of the three largest lump sums are available.

Other household income is derived from questions about any other income not asked about specifically. In Waves 1 and 2A, there is also a question about income from friends and family. In later waves, income from friends and family is specifically excluded in question wording about other income.

The question wording for other income varies across waves. In Wave 1, the question asks:

"Any other income from sources other than Social Security, which I'll ask about next?"

In Wave 2H, two questions ask about other income:

1. "(Other than income you have already told me about, did you (and your (husband/wife/partner)) receive any other income in 1993, for example, from private disability insurance payments, consulting fees, odd jobs, and so forth? (DO NOT INCLUDE FINANCIAL SUPPORT FROM RELATIVES OR FRIENDS.)"

2. "Are there any others?"

In Wave 3H forward, only one question about other income is asked and the wording is similar to that in the first question in Wave 2H, except that "rent from your home or second home" is added to the list of examples. In Wave 3A, the question wording is also similar to that in the first question in Wave 2H, except that "consulting fees" is removed from the list of examples. Beginning in Wave 4, the question that actually asks for the amount received adds the words "before taxes and other deductions."

No unfolding bracket questions are asked for alimony and other income in any wave, except for Wave 6. From Wave 2 forward, if the Respondent refuses or does not know the value of a lump sum, a follow-up question asks if the amount is more than $50,000 ($30,000 in Wave 2A). In Wave 1, no follow-up question is asked.

The income questions in Wave 2A are very different from other waves. Most distinctive are the "regular income" for Respondent and spouse and "other household income". After standard questions about Social Security income, SSI and food stamps, other income is asked about in a general way. If other income is present, Respondents are asked to specify the source of income. In other waves, most income types are asked specifically (e.g., Do you receive any other income?).

In Wave 2A, Financial Respondents are asked the following questions about their own income then their spouse's:

a) "Do you receive any (other) regular income payments; for example, from retirement pensions, Veterans Benefits, annuities, payments from an IRA account, or anything like that?"

b) "Please think about the largest (other) regular income you receive. What type of income is that?"

[IWER: PROBE WITH CATEGORIES ONLY IF R NEEDS HELP]

1.VETERANS BENEFITS

2.RETIREMENT OR OTHER PENSIONS

3.ANNUITY

4.IRA DISTRIBUTION

5.STOCKS AND BONDS

7.OTHER

8.DK

9.RF

This set of questions is repeated twice so that Respondents can report up to 3 current other regular incomes. Then they are asked:

a) "Did you receive any other regular income in (last calendar year) that you no longer receive?"

b) "What type of income was that?"

(Same categories as above)

So there are a total of 4 other regular incomes that can be reported. Categories may be specified more than once, and there are up to 3 different instances of "other" income.

If income is received, subsequent questions serve to identify the date of receipt (was income received in last calendar year?) and amount received. There are no unfolding brackets for income in Wave 2A.

HRS Variables Used

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HRS 1992:
    V15914          N38E:OTHR INCME:ALIM:IND
    V15915          N39E:OTHR INCME AMT :IND
    V15923          N38G:OTHR INCME:NOT :IND
    V15924          N39G:OTHR INCM1 AMT :IND
    V16201          N48a:RCV   91:INSUR :IND
    V16202          N48A:REC   91:  AMT :IND
    V16203          N48b:RCV   91:PENS S:IND
    V16204          N48AB:REC   91:  AMT:IND
    V16205          N48c:RCV   91:INHERI:IND
    V16206          N48AC:REC   91:  AMT:IND
    V5914           N38E:OTHR INCME:ALIM:IMP
    V5915           N39E:OTHR INCME:  AM:IMP
    V5923           N38G:OTHR INCME:NOT :IMP
    V5924           N39G:OTHR INCME:1:  :IMP
    V5926           N39G:OTHR INCME:2:  :IMP
    V6201           N48a:RCV   91:INSUR :IMP
    V6202           N48Aa:RCV   91:  AMT:IMP
    V6203           N48b:RCV   91:PENS S:IMP
    V6204           N48Ab:RCV   91:  AMT:IMP
    V6205           N48c:RCV   91:INHERI:IMP
    V6206           N48Ac:RCV   91:  AMT:IMP
AHEAD 1993:
    B1456           J19. R REG INC: RECEIVE ANY
    B1457           J20-1. R REG INC: TYPE-1
    B1458           J21-1. R REG INC: PAID PER MONTH-1
    B1459           J21b-1. R REG INC: $ PERIOD-1
    B1460           J21c-1. R REG INC: $ LAST PERIOD-1
    B1462           J21e-1. R REG INC: START >2YRS AGO-1
    B1463           J21f-1. R REG INC: START MONTH-1
    B1464           J21g-1. R REG INC: START YEAR-1
    B1473           J26-1. R REG INC: ANY OTHER-1
    B1475           J20-2. R REG INC: TYPE-2
    B1476           J21-2. R REG INC: PAID PER MONTH-2
    B1477           J21b-2. R REG INC: $ PERIOD-2
    B1478           J21c-2. R REG INC: $ LAST PERIOD-2
    B1480           J21e-2. R REG INC: START >2YRS AGO-2
    B1481           J21f-2. R REG INC: START MONTH-2
    B1482           J21g-2. R REG INC: START YEAR-2
    B1491           J26-2. R REG INC: ANY OTHER-2
    B1492           J20-3. R REG INC: TYPE-3
    B1493           J21-3. R REG INC: PAID PER MONTH-3
    B1494           J21b-3. R REG INC: $ PERIOD-3
    B1495           J21c-3. R REG INC: $ LAST PERIOD-3
    B1497           J21e-3. R REG INC: START >2YRS AGO-3
    B1498           J21f-3. R REG INC: START MONTH-3
    B1499           J21g-3. R REG INC: START YEAR-3
    B1508           J27. R REG INC: ANY END 1992/3
    B1509           J27a. R REG INC END1992/3: TYPE
    B1510           J28. R REG INC END 1992/3: PAID PER MO
    B1511           J28a. R REG INC END 1992/3: $ PERIOD
    B1512           J28b.R REG INC END1992/3:$ LAST PERIOD
    B1513           J28c. R REG INC END92/3: LAST MO RECD
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    B1514           J28d. R REG INC END92/3: LAST YR RECD
    B1515           J29. SP REG INC: RECEIVE ANY
    B1517           J30-1. SP REG INC: TYPE-1
    B1518           J31-1. SP REG INC: PAID PER MONTH-1
    B1519           J31b-1. SP REG INC: $ PERIOD-1
    B1520           J31c-1. SP REG INC: $ LAST PERIOD-1
    B1522           J31e-1. SP REG INC: START >2YRS AGO-1
    B1523           J31f-1. SP REG INC: START MONTH-1
    B1524           J31g-1. SP REG INC: START YEAR-1
    B1533           J36-1. SP REG INC: ANY OTHER-1
    B1539           J30-2. SP REG INC: TYPE-2
    B1540           J31-2. SP REG INC: PAID PER MONTH-2
    B1541           J31b-2. SP REG INC: $ PERIOD-2
    B1542           J31c-2. SP REG INC: $ LAST PERIOD-2
    B1544           J31e-2. SP REG INC: START >2YRS AGO-2
    B1545           J31f-2. SP REG INC: START MONTH-2
    B1546           J31g-2. SP REG INC: START YEAR-2
    B1555           J36-2. SP REG INC: ANY OTHER-2
    B1560           J30-3. SP REG INC: TYPE-3
    B1561           J31-3. SP REG INC: PAID PER MONTH-3
    B1562           J31b-3. SP REG INC: $ PERIOD-3
    B1563           J31c-3. SP REG INC: $ LAST PERIOD-3
    B1565           J31e-3. SP REG INC: START >2YRS AGO-3
    B1566           J31f-3. SP REG INC: START MONTH-3
    B1567           J31g-3. SP REG INC: START YEAR-3
    B1576           J37. SP REG INC: ANY END 92/93
    B1577           J37a. SP REG INC END 92/93: TYPE
    B1578           J37b. SP REG INC END 92/93: LAST MO RECD
    B1579           J37b. SP REG INC END 92/93: LAST YR RECD
    B1580           J37c. SP REG INC END 92/93: PAID PER MO
    B1581           J37d. SP REG INC END 92/93: $ PERIOD
    B1582           J37e. SP REG INC END 92/93: $ LST PERIOD
    B1792           K36. LUMP SUM $500\+: ANY, PAST 2YRS
    B1793           K37. LUMP SUM: TYPE-1
    B1794           K38. LUMP SUM: PAYMENT MONTH-1
    B1795           K38a. LUMP SUM: PAYMENT YEAR-1
    B1796           K39. LUMP SUM: $ RECEIVED-1
    B1798           K41. LUMP SUM: OTHER IN LAST 2YRS-1
    B1799           K37. LUMP SUM: TYPE-2
    B1800           K38. LUMP SUM: PAYMENT MONTH-2
    B1801           K38a. LUMP SUM: PAYMENT YEAR-2
    B1802           K39. LUMP SUM: $ RECEIVED-2
    B1804           K41. LUMP SUM: OTHER IN LAST 2YRS-2
    B1805           K37. LUMP SUM: TYPE-3
    B1806           K38. LUMP SUM: PAYMENT MONTH-3
    B1807           K38a. LUMP SUM: PAYMENT YEAR-3
    B1808           K39. LUMP SUM: $ RECEIVED-3
HRS 1994:
    W16303          N28d. Imputation flag
    W16304          N29d1. Imputation flag
    W16305          N28f. Imputation flag
    W16306          N29f1. Imputation flag
    W5565           K36.RECEIVE LUMP SUM PAY
    W5568           K38a-1.RECEIVE LUMP SUM-
    W5569           K39-1.AMOUNT OF LUMP SUM
    W5570           K40-1.>50K
    W5572           K42-1.RECEIVE OTHER LUMP
    W5575           K38a-2.RECEIVE LUMP SUM-
    W5576           K39-2.AMOUNT OF LUMP SUM
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    W5577           K40-2.>50K
    W5579           K42-3.RECEIVE LUMP SUM-3
    W5582           K38a-3.RECEIVE LUMP SUM-
    W5583           K39-3.AMOUNT OF LUMP SUM
    W5584           K40-3.>50K
    W6303           N28d.ALIMONY/CHILD SUPPO
    W6304           N29d1.AMT ALIMONY/CHILD
    W6305           N28f.OTHER INCOME IN 199
    W6306           N29f1.AMT OTHER INCOME-1
    W6307           N29f3.ANY OTHERS?
    W6308           N29f4.AMT OTHER INCOME-2
AHEAD 1995:
    D4566           J61.ALIMONY INCOME
    D4567           J61A.AMT ALIMONY $ LCY
    D4573           J62.OTHER SOURCES INCOME
    D4574           J62A. OTHER SOURCES $ 1994
    D4747           J83. LUMP SUM
    D4750           J85A.DATE LUMP-1
    D4751           J86-1. LUMP $-1
    D4752           J87-1.>50K
    D4754           J89.ANY OTHER LUMP SUM-2
    D4757           J85A-2.LUMP SUM YEAR-2
    D4758           J86-2. LUMP $-2
    D4759           J87-2.>50K
    D4761           J43.ANY OTHER LUMP SUM-3
    D4764           J85A-3.LUMP SUM YEAR-3
    D4765           J86-3. LUMP $-3
    D4766           J87-3.>50K
HRS 1996:
    E4567           J247.ALIMONY INCOME
    E4568           J248.AMT ALIMONY $ LCY
    E4574           J249.OTHER SOURCES INCOME
    E4575           J250.OTHER SOURCES $ 1994
    E4748           J305.LUMP SUM
    E4751           J308.YEAR LUMP-1
    E4752           J309.LUMP $-1
    E4753           J309A.>50K
    E4755           J311. ANY SECOND LUMP SUM
    E4758           J314. SECOND LUMP SUM: YEAR RECEIVED
    E4759           J315.LUMP $-2
    E4760           J315A.>50K
    E4763           J318.LUMP SUM-3
    E4765           J320. THIRD LUMP SUM: YEAR RECEIVED
    E4766           J321.LUMP $-3
    E4767           J321A.>50K
HRS 1998:
    F5327           J247.ALIMONY INCOME
    F5328           J248.AMT ALIMONY $ LCY
    F5334           J249.OTHER SOURCES INCOME
    F5335           J250.OTHER SOURCES $ 1996
    F5508           J305.LUMP SUM
    F5511           J308.DATE LUMP-1
    F5512           J309.LUMP $-1
    F5513           J309A.>50K
    F5515           J311.
    F5518           J314.
    F5519           J315.LUMP $-2
    F5520           J315A.>50K
    F5522           J317.
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    F5525           J320.
    F5526           J321.LUMP $-3
    F5527           J321A.>50K
HRS 2000:
    G5721           J247.ALIMONY INCOME
    G5722           J248.AMT ALIMONY $ LCY
    G5728           J249.OTHER SOURCES INCOME
    G5729           J250.OTHER SOURCES IN LCY
    G5861           J305.ANY LUMP SUM
    G5864           J308.DATE LUMP-1
    G5865           J309. LUMP SUM RCV-1
    G5866           J309A.>50K
    G5868           J311.ANY 2ND LUMP SUM
    G5871           J314.2ND LUMP SUM-YR RECIEVED
    G5872           J315. LUMP SUM RCV-2
    G5873           J315A.>50K
    G5875           J317.ANY 3RD LUMP SUM
    G5878           J320.3RD LUMP SUM-YR RECIEVED
    G5879           J321. LUMP SUM RCV-3
    G5880           J321A.>50K
HRS 2002:
    HQ390           ALIMONY CHILD SUPP INCOME
    HQ391           ALIMONY CHILD SUPP INCOME AMOUNT - LCY
    HQ392           ALIMONY CHILD SUPP INCOME - MIN
    HQ393           ALIMONY CHILD SUPP INCOME - MAX
    HQ394           ALIMONY CHILD SUPP INCOME - RESULT
HRS 2002-2022:
    xQ395           OTHER SOURCES OF INCOME
    xQ396           OTHER SOURCES OF INCOME AMOUNT - LCY
    xQ397           OTHER SOURCES OF INCOME - MIN
    xQ398           OTHER SOURCES OF INCOME - MAX
    xQ399           OTHER SOURCES OF INCOME - RESULT
    xQ483_1         R OR SP IF LUMP SUM RECEIVED -1
    xQ483_2         R OR SP IF LUMP SUM RECEIVED -2
    xQ483_3         R OR SP IF LUMP SUM RECEIVED -3
    xQ486_1         MONTH LUMP SUM RECEIVED -1
    xQ486_2         MONTH LUMP SUM RECEIVED -2
    xQ486_3         MONTH LUMP SUM RECEIVED -3
    xQ487_1         YEAR LUMP SUM RECEIVED -1
    xQ487_2         YEAR LUMP SUM RECEIVED -2
    xQ487_3         YEAR LUMP SUM RECEIVED -3
    xQ488_1         LUMP SUM AMOUNT RECEIVED -1
    xQ488_2         LUMP SUM AMOUNT RECEIVED -2
    xQ488_3         LUMP SUM AMOUNT RECEIVED -3
    xQ489_1         LUMP SUM AMT - $50K -1
    xQ489_2         LUMP SUM AMT - $50K -2
    xQ489_3         LUMP SUM AMT - $50K -3
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Total household income (Respondent & spouse)

Wave	Variable	Label	Type
1	H1ITOT	H1ITOT:W1 Income: Total HHold / R+Sp only	Cont
2	H2ITOT	H2ITOT:W2 Income: Total HHold / R+Sp only	Cont
3	H3ITOT	H3ITOT:W3 Income: Total HHold / R+Sp only	Cont
4	H4ITOT	H4ITOT:W4 Income: Total HHold / R+Sp only	Cont
5	H5ITOT	H5ITOT:W5 Income: Total HHold / R+Sp only	Cont
6	H6ITOT	H6ITOT:W6 Income: Total HHold / R+Sp only	Cont
7	H7ITOT	H7ITOT:W7 Income: Total HHold / R+Sp only	Cont
8	H8ITOT	H8ITOT:W8 Income: Total HHold / R+Sp only	Cont
9	H9ITOT	H9ITOT:W9 Income: Total HHold / R+Sp only	Cont
10	H10ITOT	H10ITOT:W10 Income: Total HHold / R+Sp only	Cont
11	H11ITOT	H11ITOT:W11 Income: Total HHold / R+Sp only	Cont
12	H12ITOT	H12ITOT:W12 Income: Total HHold / R+Sp only	Cont
13	H13ITOT	H13ITOT:W13 Income: Total HHold / R+Sp only	Cont
14	H14ITOT	H14ITOT:W14 Income: Total HHold / R+Sp only	Cont
15	H15ITOT	H15ITOT:W15 Income: Total HHold / R+Sp only	Cont
16	H16ITOT	H16ITOT:W16 Income: Total HHold / R+Sp only	Cont
2	H2ITOT2	H2ITOT2:W2 Income: Imputed Total Household	Cont
1	H1IFTOT	H1IFTOT:W1 ImpFlag: Total Household Inc	Categ
2	H2IFTOT	H2IFTOT:W2 ImpFlag: Total Household Inc	Categ
3	H3IFTOT	H3IFTOT:W3 ImpFlag: Total Household Inc	Categ
4	H4IFTOT	H4IFTOT:W4 ImpFlag: Total Household Inc	Categ
5	H5IFTOT	H5IFTOT:W5 ImpFlag: Total Household Inc	Categ
6	H6IFTOT	H6IFTOT:W6 ImpFlag: Total Household Inc	Categ
7	H7IFTOT	H7IFTOT:W7 ImpFlag: Total Household Inc	Categ
8	H8IFTOT	H8IFTOT:W8 ImpFlag: Total Household Inc	Categ
9	H9IFTOT	H9IFTOT:W9 ImpFlag: Total Household Inc	Categ
10	H10IFTOT	H10IFTOT:W10 ImpFlag: Total Household Inc	Categ
11	H11IFTOT	H11IFTOT:W11 ImpFlag: Total Household Inc	Categ
12	H12IFTOT	H12IFTOT:W12 ImpFlag: Total Household Inc	Categ
13	H13IFTOT	H13IFTOT:W13 ImpFlag: Total Household Inc	Categ
14	H14IFTOT	H14IFTOT:W14 ImpFlag: Total Household Inc	Categ
15	H15IFTOT	H15IFTOT:W15 ImpFlag: Total Household Inc	Categ
16	H16IFTOT	H16IFTOT:W16 ImpFlag: Total Household Inc	Categ
2	H2IFTOT2	H2IFTOT2:W2 ImpFlag: Imputed Total Household	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ITOT	12652	47553.94	50822.04	0.0	1300000.0
H2ITOT	19642	41509.70	73809.70	0.0	3254517.1
H3ITOT	17991	45988.72	70946.46	0.0	3067646.7
H4ITOT	21384	50764.74	112018.70	0.0	8017657.0
H5ITOT	19578	52853.11	100728.67	0.0	5537080.0
H6ITOT	18165	52380.38	92105.37	0.0	7395354.0
H7ITOT	20129	60256.80	101176.60	0.0	3536773.5
H8ITOT	18469	64601.56	317108.36	0.0	25360100.0
H9ITOT	17217	67403.35	471895.97	0.0	60014376.0
H10ITOT	22034	62970.76	97730.47	0.0	5438860.0
H11ITOT	20554	64873.40	100239.19	0.0	3663276.0
H12ITOT	18747	68322.15	140536.62	0.0	10938250.5
H13ITOT	20912	74263.53	159328.57	0.0	10036000.0
H14ITOT	17146	77507.49	167654.17	0.0	7406316.0
H15ITOT	15723	77172.80	133358.57	0.0	5731600.0
H16ITOT	15787	83039.06	147341.32	0.0	4732674.0

H2ITOT2	8222	22131.38	25995.12	0.0	700000.0
H1IFTOT	12652	1.27	0.46	0.0	2.0
H2IFTOT	19642	1.63	0.53	0.0	9.0
H3IFTOT	17991	1.70	0.61	0.0	9.0
H4IFTOT	21384	1.54	0.51	0.0	2.0
H5IFTOT	19578	1.54	0.51	0.0	2.0
H6IFTOT	18165	1.58	0.50	0.0	2.0
H7IFTOT	20129	1.51	0.51	0.0	2.0
H8IFTOT	18469	1.51	0.51	0.0	2.0
H9IFTOT	17217	1.49	0.51	0.0	2.0
H10IFTOT	22034	1.41	0.52	0.0	2.0
H11IFTOT	20554	1.40	0.51	0.0	2.0
H12IFTOT	18747	1.38	0.51	0.0	2.0
H13IFTOT	20912	1.36	0.51	0.0	2.0
H14IFTOT	17146	1.37	0.52	0.0	2.0
H15IFTOT	15723	1.40	0.53	0.0	9.0
H16IFTOT	15787	1.41	0.53	0.0	9.0
H2IFTOT2	8222	1.45	0.57	0.0	9.0

Categorical Variable Codes

HwIFTOT: ImpFlag: Total Household Inc

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	118	139	95	86	82	73	120	83	98	277
1.No imputations	9049	7105	5499	9739	8851	7533	9565	8835	8588	12426
2.Some imputation	3485	12387	12348	11559	10645	10559	10444	9551	8531	9331
9.No Fin resp		11	49							

Value	w11	w12	w13	w14	w15	w16
0.No income	247	237	339	317	276	266
1.No imputations	11909	11132	12652	10090	8830	8800
2.Some imputation	8398	7378	7921	6739	6616	6720
9.No Fin resp					1	1

HwIFTOT2: ImpFlag: Imputed Total Household

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		11420								
0.No income		50								
1.No imputations		4481								
2.Some imputation		3681								
9.No Fin resp		10								

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
0.No income						
1.No imputations						
2.Some imputation						
9.No Fin resp						

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document. Unless otherwise noted, income variables refer to income received last calendar year.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

HwITOT reflects total income for the last calendar year. HwITOT is set to the sum of Respondent and spouse earnings (RwIEARN, SwIEARN), pensions and annuities (RwIPENA, SwIPENA), SSI and Social Security Disability (RwISSDI, SwISSDI), Social Security retirement (RwISRET, SwISRET), unemployment and workers' compensation (RwIUNWC, SwIUNWC), other government transfers (RwIGXFR, SwIGXFR), household capital income (HwICAP), and other income (HwIOTHR). HwIFTOT is a flag that indicates whether any components are imputed.

H2ITOT2 is derived from the Wave 2A question which asks how much total income a household received last calendar year. Missing values were imputed from unfolding bracket questions, and H2IFTOT2 flags imputed values. For HRS entry cohort Respondents, H2ITOT2 and H2IFTOT2 are set to .Q to indicate that the corresponding income information is not available in Wave 2H.

For more information about the individual variables used to calculate HwITOT, including possible differences between the HRS and AHEAD samples, please refer to the RAND HRS Detailed Imputations File Codebook, available on the HRS website.

It is important to note that total household income does not include income from other household members, only the Respondent and spouse.

Cross Wave Differences in Original HRS Data

For HRS Respondents in Wave 2H, there is no question asking for total household income. Thus, the information for H2ITOT2 and H2IFTOT2 is not available for these cases in Wave 2.

IRA Withdrawals

Wave	Variable	Label	Type
2	H2IIRAWY1	H2IIRAWY1:W2 Income:IRA Withd-Total (LCY)	Cont
5	H5IIRAWY1	H5IIRAWY1:W5 Income:IRA Withd-Total (LCY)	Cont
6	H6IIRAWY1	H6IIRAWY1:W6 Income:IRA Withd-Total (LCY)	Cont
7	H7IIRAWY1	H7IIRAWY1:W7 Income:IRA Withd-Total (LCY)	Cont
8	H8IIRAWY1	H8IIRAWY1:W8 Income:IRA Withd-Total (LCY)	Cont
9	H9IIRAWY1	H9IIRAWY1:W9 Income:IRA Withd-Total (LCY)	Cont
10	H10IIRAWY1	H10IIRAWY1:W10 Income:IRA Withd-Total (LCY)	Cont
11	H11IIRAWY1	H11IIRAWY1:W11 Income:IRA Withd-Total (LCY)	Cont
12	H12IIRAWY1	H12IIRAWY1:W12 Income:IRA Withd-Total (LCY)	Cont
13	H13IIRAWY1	H13IIRAWY1:W13 Income:IRA Withd-Total (LCY)	Cont
14	H14IIRAWY1	H14IIRAWY1:W14 Income:IRA Withd-Total (LCY)	Cont
15	H15IIRAWY1	H15IIRAWY1:W15 Income:IRA Withd-Total (LCY)	Cont
16	H16IIRAWY1	H16IIRAWY1:W16 Income:IRA Withd-Total (LCY)	Cont
2	R2IIRAWY1	R2IIRAWY1:W2 Income:IRA Withd-Total (LCY)	Cont
5	R5IIRAWY1	R5IIRAWY1:W5 Income:IRA Withd-Total (LCY)	Cont
6	R6IIRAWY1	R6IIRAWY1:W6 Income:IRA Withd-Total (LCY)	Cont
7	R7IIRAWY1	R7IIRAWY1:W7 Income:IRA Withd-Total (LCY)	Cont
8	R8IIRAWY1	R8IIRAWY1:W8 Income:IRA Withd-Total (LCY)	Cont
9	R9IIRAWY1	R9IIRAWY1:W9 Income:IRA Withd-Total (LCY)	Cont
10	R10IIRAWY1	R10IIRAWY1:W10 Income:IRA Withd-Total (LCY)	Cont
11	R11IIRAWY1	R11IIRAWY1:W11 Income:IRA Withd-Total (LCY)	Cont
12	R12IIRAWY1	R12IIRAWY1:W12 Income:IRA Withd-Total (LCY)	Cont
13	R13IIRAWY1	R13IIRAWY1:W13 Income:IRA Withd-Total (LCY)	Cont
14	R14IIRAWY1	R14IIRAWY1:W14 Income:IRA Withd-Total (LCY)	Cont
15	R15IIRAWY1	R15IIRAWY1:W15 Income:IRA Withd-Total (LCY)	Cont
16	R16IIRAWY1	R16IIRAWY1:W16 Income:IRA Withd-Total (LCY)	Cont
2	S2IIRAWY1	S2IIRAWY1:W2 Income:IRA Withd-Total (LCY)	Cont
5	S5IIRAWY1	S5IIRAWY1:W5 Income:IRA Withd-Total (LCY)	Cont
6	S6IIRAWY1	S6IIRAWY1:W6 Income:IRA Withd-Total (LCY)	Cont
7	S7IIRAWY1	S7IIRAWY1:W7 Income:IRA Withd-Total (LCY)	Cont
8	S8IIRAWY1	S8IIRAWY1:W8 Income:IRA Withd-Total (LCY)	Cont
9	S9IIRAWY1	S9IIRAWY1:W9 Income:IRA Withd-Total (LCY)	Cont
10	S10IIRAWY1	S10IIRAWY1:W10 Income:IRA Withd-Total (LCY)	Cont
11	S11IIRAWY1	S11IIRAWY1:W11 Income:IRA Withd-Total (LCY)	Cont
12	S12IIRAWY1	S12IIRAWY1:W12 Income:IRA Withd-Total (LCY)	Cont
13	S13IIRAWY1	S13IIRAWY1:W13 Income:IRA Withd-Total (LCY)	Cont
14	S14IIRAWY1	S14IIRAWY1:W14 Income:IRA Withd-Total (LCY)	Cont
15	S15IIRAWY1	S15IIRAWY1:W15 Income:IRA Withd-Total (LCY)	Cont
16	S16IIRAWY1	S16IIRAWY1:W16 Income:IRA Withd-Total (LCY)	Cont
5	H5IIRAW	H5IIRAW:W5 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
6	H6IIRAW	H6IIRAW:W6 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
7	H7IIRAW	H7IIRAW:W7 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
8	H8IIRAW	H8IIRAW:W8 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
9	H9IIRAW	H9IIRAW:W9 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
10	H10IIRAW	H10IIRAW:W10 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
11	H11IIRAW	H11IIRAW:W11 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
12	H12IIRAW	H12IIRAW:W12 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
13	H13IIRAW	H13IIRAW:W13 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
14	H14IIRAW	H14IIRAW:W14 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
15	H15IIRAW	H15IIRAW:W15 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
16	H16IIRAW	H16IIRAW:W16 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
5	R5IIRAW	R5IIRAW:W5 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
6	R6IIRAW	R6IIRAW:W6 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
7	R7IIRAW	R7IIRAW:W7 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
8	R8IIRAW	R8IIRAW:W8 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
9	R9IIRAW	R9IIRAW:W9 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
10	R10IIRAW	R10IIRAW:W10 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
11	R11IIRAW	R11IIRAW:W11 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
12	R12IIRAW	R12IIRAW:W12 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
13	R13IIRAW	R13IIRAW:W13 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
14	R14IIRAW	R14IIRAW:W14 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
15	R15IIRAW	R15IIRAW:W15 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
16	R16IIRAW	R16IIRAW:W16 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont

5	S5IIRAW	S5IIRAW:W5 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
6	S6IIRAW	S6IIRAW:W6 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
7	S7IIRAW	S7IIRAW:W7 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
8	S8IIRAW	S8IIRAW:W8 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
9	S9IIRAW	S9IIRAW:W9 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
10	S10IIRAW	S10IIRAW:W10 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
11	S11IIRAW	S11IIRAW:W11 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
12	S12IIRAW	S12IIRAW:W12 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
13	S13IIRAW	S13IIRAW:W13 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
14	S14IIRAW	S14IIRAW:W14 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
15	S15IIRAW	S15IIRAW:W15 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
16	S16IIRAW	S16IIRAW:W16 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
2	H2IFIRAWY1	H2IFIRAWY1:W2 ImpFlag:IRA Withd-Total (LCY)	Categ
2	R2IFIRAWY1	R2IFIRAWY1:W2 ImpFlag:IRA Withd-Total (LCY)	Categ
2	S2IFIRAWY1	S2IFIRAWY1:W2 ImpFlag:IRA Withd-Total (LCY)	Categ
5	H5IFIRAW	H5IFIRAW:W5 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
6	H6IFIRAW	H6IFIRAW:W6 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
7	H7IFIRAW	H7IFIRAW:W7 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
8	H8IFIRAW	H8IFIRAW:W8 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
9	H9IFIRAW	H9IFIRAW:W9 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
10	H10IFIRAW	H10IFIRAW:W10 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
11	H11IFIRAW	H11IFIRAW:W11 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
12	H12IFIRAW	H12IFIRAW:W12 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
13	H13IFIRAW	H13IFIRAW:W13 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
14	H14IFIRAW	H14IFIRAW:W14 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
15	H15IFIRAW	H15IFIRAW:W15 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
16	H16IFIRAW	H16IFIRAW:W16 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
5	R5IFIRAW	R5IFIRAW:W5 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
6	R6IFIRAW	R6IFIRAW:W6 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
7	R7IFIRAW	R7IFIRAW:W7 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
8	R8IFIRAW	R8IFIRAW:W8 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
9	R9IFIRAW	R9IFIRAW:W9 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
10	R10IFIRAW	R10IFIRAW:W10 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
11	R11IFIRAW	R11IFIRAW:W11 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
12	R12IFIRAW	R12IFIRAW:W12 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
13	R13IFIRAW	R13IFIRAW:W13 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
14	R14IFIRAW	R14IFIRAW:W14 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
15	R15IFIRAW	R15IFIRAW:W15 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
16	R16IFIRAW	R16IFIRAW:W16 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
5	S5IFIRAW	S5IFIRAW:W5 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
6	S6IFIRAW	S6IFIRAW:W6 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
7	S7IFIRAW	S7IFIRAW:W7 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
8	S8IFIRAW	S8IFIRAW:W8 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
9	S9IFIRAW	S9IFIRAW:W9 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
10	S10IFIRAW	S10IFIRAW:W10 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
11	S11IFIRAW	S11IFIRAW:W11 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
12	S12IFIRAW	S12IFIRAW:W12 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
13	S13IFIRAW	S13IFIRAW:W13 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
14	S14IFIRAW	S14IFIRAW:W14 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
15	S15IFIRAW	S15IFIRAW:W15 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
16	S16IFIRAW	S16IFIRAW:W16 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H2IIRAWY1	8222	305.66	1845.53	0.0	45600.0
H5IIRAWY1	19578	1610.10	14032.99	0.0	1116000.0
H6IIRAWY1	18165	1694.33	10547.46	0.0	480000.0
H7IIRAWY1	20129	1737.15	16819.60	0.0	1500000.0
H8IIRAWY1	18469	1953.61	15102.95	0.0	1200000.0

H9IIRAWY1	17217	2281.43	10037.00	0.0	270000.0
H10IIRAWY1	22034	1865.93	9850.93	0.0	483000.0
H11IIRAWY1	20554	2249.03	18292.01	0.0	1152000.0
H12IIRAWY1	18747	2324.90	9695.73	0.0	273600.0
H13IIRAWY1	20912	2078.74	10109.14	0.0	289200.0
H14IIRAWY1	17146	2731.70	13480.51	0.0	540000.0
H15IIRAWY1	15723	2798.52	13422.37	0.0	413333.3
H16IIRAWY1	15787	3383.06	17224.20	0.0	674285.7
R2IIRAWY1	8222	172.37	1321.26	0.0	45600.0
R5IIRAWY1	19578	924.71	10062.42	0.0	1116000.0
R6IIRAWY1	18165	961.88	7694.78	0.0	480000.0
R7IIRAWY1	20129	986.95	9401.69	0.0	750000.0
R8IIRAWY1	18469	1136.76	10829.04	0.0	1200000.0
R9IIRAWY1	17217	1354.56	7683.11	0.0	270000.0
R10IIRAWY1	22034	1104.66	7391.08	0.0	480000.0
R11IIRAWY1	20554	1326.59	13051.83	0.0	1152000.0
R12IIRAWY1	18747	1433.11	7594.88	0.0	273600.0
R13IIRAWY1	20912	1303.37	7630.42	0.0	289200.0
R14IIRAWY1	17146	1676.10	9977.12	0.0	540000.0
R15IIRAWY1	15723	1705.08	9511.35	0.0	400000.0
R16IIRAWY1	15787	2133.34	12483.15	0.0	413076.9
S2IIRAWY1	4549	240.90	1646.85	0.0	45600.0
S5IIRAWY1	13041	1028.95	11808.41	0.0	1116000.0
S6IIRAWY1	11859	1121.92	8746.02	0.0	480000.0
S7IIRAWY1	13352	1130.98	10961.49	0.0	750000.0
S8IIRAWY1	12052	1251.78	12870.07	0.0	1200000.0
S9IIRAWY1	11012	1449.15	7816.07	0.0	250000.0
S10IIRAWY1	14237	1178.19	7847.22	0.0	480000.0
S11IIRAWY1	13081	1449.41	15708.16	0.0	1152000.0
S12IIRAWY1	11622	1438.50	7006.21	0.0	200000.0
S13IIRAWY1	12889	1258.02	7276.78	0.0	212000.0
S14IIRAWY1	10463	1729.83	9704.77	0.0	225000.0
S15IIRAWY1	9529	1804.20	10474.55	0.0	400000.0
S16IIRAWY1	9242	2134.74	12793.24	0.0	374285.7
H5IIRAW	19578	3089.90	25378.11	0.0	1860000.0
H6IIRAW	18165	3704.58	23332.12	0.0	1080000.0
H7IIRAW	20129	3363.55	29109.80	0.0	2500000.0
H8IIRAW	18469	3816.33	28359.75	0.0	2200000.0
H9IIRAW	17217	4533.55	19975.28	0.0	538500.0
H10IIRAW	22034	4315.27	21351.63	0.0	805000.0
H11IIRAW	20554	4057.25	33646.59	0.0	2208000.0
H12IIRAW	18747	4339.57	17980.80	0.0	476666.7
H13IIRAW	20912	4658.93	23153.95	0.0	750000.0
H14IIRAW	17146	5331.48	26188.83	0.0	900000.0
H15IIRAW	15723	5654.29	27421.45	0.0	900000.0
H16IIRAW	15787	7128.82	35616.50	0.0	1180000.0
R5IIRAW	19578	1782.30	18288.74	0.0	1860000.0
R6IIRAW	18165	2109.57	16904.21	0.0	1080000.0
R7IIRAW	20129	1910.70	16683.23	0.0	1250000.0
R8IIRAW	18469	2228.46	20391.38	0.0	2200000.0
R9IIRAW	17217	2707.30	15226.63	0.0	538500.0
R10IIRAW	22034	2582.75	16160.87	0.0	800000.0
R11IIRAW	20554	2390.69	24069.08	0.0	2208000.0
R12IIRAW	18747	2676.35	14110.58	0.0	476666.7
R13IIRAW	20912	2923.35	17392.63	0.0	674800.0

R14IIRAW	17146	3260.12	19120.59	0.0	900000.0
R15IIRAW	15723	3464.56	19765.34	0.0	900000.0
R16IIRAW	15787	4509.47	26817.83	0.0	1000000.0
S5IIRAW	13041	1963.05	21209.81	0.0	1860000.0
S6IIRAW	11859	2443.15	19305.51	0.0	1080000.0
S7IIRAW	13352	2190.27	19215.42	0.0	1250000.0
S8IIRAW	12052	2433.32	24075.12	0.0	2200000.0
S9IIRAW	11012	2855.29	15633.16	0.0	538500.0
S10IIRAW	14237	2681.36	16699.02	0.0	800000.0
S11IIRAW	13081	2618.65	28746.01	0.0	2208000.0
S12IIRAW	11622	2682.88	12843.02	0.0	333333.3
S13IIRAW	12889	2815.93	16621.08	0.0	500000.0
S14IIRAW	10463	3394.39	19231.55	0.0	418442.6
S15IIRAW	9529	3613.10	21437.15	0.0	900000.0
S16IIRAW	9242	4474.33	25762.58	0.0	700000.0
H2IFIRAWY1	8222	0.18	0.57	0.0	9.0
R2IFIRAWY1	8222	0.13	0.53	0.0	9.0
S2IFIRAWY1	8222	3.67	3.91	0.0	9.0
H5IFIRAW	19578	0.29	0.88	0.0	9.0
H6IFIRAW	18165	0.31	0.74	0.0	9.0
H7IFIRAW	20129	0.32	0.83	0.0	9.0
H8IFIRAW	18469	0.33	0.79	0.0	9.0
H9IFIRAW	17217	0.37	0.85	0.0	9.0
H10IFIRAW	22034	0.44	1.30	0.0	9.0
H11IFIRAW	20554	0.35	0.98	0.0	9.0
H12IFIRAW	18747	0.39	1.07	0.0	9.0
H13IFIRAW	20912	0.42	1.29	0.0	9.0
H14IFIRAW	17146	0.47	1.42	0.0	9.0
H15IFIRAW	15723	0.54	1.54	0.0	9.0
H16IFIRAW	15787	0.52	1.54	0.0	9.0
R5IFIRAW	19578	0.24	0.86	0.0	9.0
R6IFIRAW	18165	0.26	0.72	0.0	9.0
R7IFIRAW	20129	0.27	0.81	0.0	9.0
R8IFIRAW	18469	0.28	0.77	0.0	9.0
R9IFIRAW	17217	0.31	0.82	0.0	9.0
R10IFIRAW	22034	0.40	1.29	0.0	9.0
R11IFIRAW	20554	0.30	0.97	0.0	9.0
R12IFIRAW	18747	0.35	1.06	0.0	9.0
R13IFIRAW	20912	0.39	1.29	0.0	9.0
R14IFIRAW	17146	0.43	1.41	0.0	9.0
R15IFIRAW	15723	0.50	1.54	0.0	9.0
R16IFIRAW	15787	0.48	1.54	0.0	9.0
S5IFIRAW	19578	2.85	3.72	0.0	9.0
S6IFIRAW	18165	2.96	3.72	0.0	9.0
S7IFIRAW	20129	2.89	3.71	0.0	9.0
S8IFIRAW	18469	2.98	3.72	0.0	9.0
S9IFIRAW	17217	3.10	3.75	0.0	9.0
S10IFIRAW	22034	3.12	3.79	0.0	9.0
S11IFIRAW	20554	3.13	3.78	0.0	9.0
S12IFIRAW	18747	3.28	3.81	0.0	9.0
S13IFIRAW	20912	3.35	3.84	0.0	9.0
S14IFIRAW	17146	3.44	3.86	0.0	9.0

S15IFIRAW	15723	3.51	3.86	0.0	9.0
S16IFIRAW	15787	3.66	3.89	0.0	9.0

Categorical Variable Codes

HwIFIRAWY1: ImpFlag:IRA Withd-Total (LCY)

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		11420								
0.No income		7201								
1.No imputations		638								
2.Some imputation		373								
9.No Fin resp		10								

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
0.No income						
1.No imputations						
2.Some imputation						
9.No Fin resp						

RwIFIRAWY1: ImpFlag:IRA Withd-Total (LCY)

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		11420								
0.No income		7496								
1.No imputations		419								
2.Some imputation		297								
9.No Fin resp		10								

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
0.No income						
1.No imputations						
2.Some imputation						
9.No Fin resp						

SwIFIRAWY1: ImpFlag:IRA Withd-Total (LCY)

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		9125								
.U=Unmarried		2295								
0.No income		4024								
1.No imputations		310								
2.Some imputation		211								
8.No Sp/part->no incm		3673								
9.No Fin resp		4								

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						

.U=Unmarried
0.No income
1.No imputations
2.Some imputation
8.No Sp/part->no incm
9.No Fin resp

HwIFIRAW: ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income					15971	14476	15968	14331	13008	17115
1.No imputations					2346	2151	2492	2560	2637	2830
2.Some imputation					1137	1493	1582	1516	1498	1692
9.No Fin resp					124	45	87	62	74	397

Value	w11	w12	w13	w14	w15	w16
0.No income	16237	14428	16543	13432	12032	12279
1.No imputations	2683	2622	2474	2106	1896	1837
2.Some imputation	1465	1501	1523	1223	1367	1241
9.No Fin resp	169	196	372	385	428	430

RwIFIRAW: ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income					16788	15230	16831	15168	13839	17997
1.No imputations					1664	1544	1787	1859	1952	2099
2.Some imputation					1002	1346	1424	1380	1352	1541
9.No Fin resp					124	45	87	62	74	397

Value	w11	w12	w13	w14	w15	w16
0.No income	17031	15187	17205	13993	12547	12803
1.No imputations	2000	1982	1906	1623	1484	1405
2.Some imputation	1354	1382	1429	1145	1264	1149
9.No Fin resp	169	196	372	385	428	430

SwIFIRAW: ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income					11031	9757	10990	9763	8709	11495
1.No imputations					1193	1071	1256	1251	1309	1378
2.Some imputation					727	995	1031	989	933	1056
8.No Sp/part->no incm					6537	6306	6777	6417	6205	7797
9.No Fin resp					90	36	75	49	61	308

Value	w11	w12	w13	w14	w15	w16
0.No income	10702	9278	10456	8383	7442	7316
1.No imputations	1299	1262	1166	997	900	819
2.Some imputation	937	924	953	757	850	767
8.No Sp/part->no incm	7473	7125	8023	6683	6194	6545
9.No Fin resp	143	158	314	326	337	340

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document. Unless otherwise noted, income variables refer to income received last calendar year.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

Withdrawals from traditional IRAs or Keogh accounts are treated as income for taxation purposes. However, from an economic viewpoint, they would be considered dissaving rather than income. Therefore, we do not include them in our measure of total household income (HwITOT). Withdrawals from Roth IRAs are not taxable. The HRS survey instrument does not distinguish between traditional IRAs, Keogh accounts, and Roth IRAs. Because the former have been more common historically, we assume all withdrawals are from regular IRAs or Keogh accounts whenever the distinction matters. Even though Roth IRA ownership has increased over time, traditional IRA ownership among older households was twice that of Roth IRA ownership in 2016 (32% vs 14%).[41]

From Wave 5 forward, the HRS survey elicits up to three withdrawal amounts for each household, plus a fourth withdrawal amount that represents any accounts that have been cashed in. These are imputed separately, taking into account the reported frequency of withdrawals where necessary. In the case of couples, we then assign each withdrawal amount to the Respondent or the spouse. To do so, we use information about ownership of the IRA (Respondent, spouse, or both). If an IRA is owned by the Respondent, then the IRA withdrawal is assigned to the Respondent. If an IRA is owned by the spouse, then the IRA withdrawal is assigned to the spouse. IRAs are owned by individuals, so joint ownership is not possible. If the information on IRA ownership is missing, then it is assumed that the IRA belongs to the Financial Respondent, as this is the modal response observed in the data. However, the third IRA question, and the question asking about any accounts that have been cashed in, may refer to more than one IRA account (all other IRA accounts the household owns). In that case joint ownership as measured in the HRS is possible and we divide the withdrawal amount equally between both spouses.

When a Respondent does not provide a continuous amount for withdrawal from one or more IRA accounts (including cashed-in accounts), we impute those withdrawals. This is done separately by account.

For Wave 5 forward, HwIIRAW represents the total IRA withdrawal amount from all owned accounts since the last interview or in the last two years. RwIIRAW and SwIIRAW represent these same totals for the Respondent and spouse, respectively. HwIFIRAW, RwIFIRAW, and SwIFIRAW are flags that indicate whether any components are imputed, and if so, how much information is available for imputation.

To facilitate analyses that gauge the importance of IRA withdrawals compared to other economic resources, like income, which is measured for the last calendar year, we include HwIIRAWY1, RwIIRAWY1, and SwIIRAWY1 for Wave 5 forward, which prorate amounts reported in the survey instrument "since last interview" to reflect a 12-month period.

Tax laws that govern IRA withdrawals strongly influence the patterns observed in the data. For example, there are very few withdrawals prior to the age of 59 ½ because withdrawals before that age incur a tax penalty. Similarly, many households do not make withdrawals until after they turn 70 ½ when a schedule of required minimum distributions (RMD) applies.[42] Therefore, if the withdrawn IRA amount is missing, but the Respondent indicated making an RMD, the missing value is replaced with the calculated RMD.[43] However, if in addition to not providing a complete set of continuous amounts, the Respondent indicates having taken the RMD, we estimate the RMD for the Respondent and impute a total withdrawal amount that is equal to the RMD if this is consistent with the Respondent's (other) answers, or the nearest amount that is consistent with the Respondent's other answers if the RMD is inconsistent with those. We then allocate the total withdrawal amount to the withdrawals from all owned accounts. We do this in such a way that

[41] ICI Research Perspective, January 2017, Vol. 23, No. 10A, https://www.ici.org/pdf/per23-10a.pdf

[42] The Setting Every Community Up for Retirement Enhancement (SECURE) Act changed the age at which RMDs must be taken from 70 ½ to 72. We use this updated criterion to calculate the RMD for those interviewed in 2022 and 2023.

[43] The Coronavirus Aid, Relief and Economic Security (CARES) Act waived RMDs for tax year 2020. We therefore ignore the RMD for those interviewed in 2021.

the allocated amounts are always consistent with what the Respondent reported about the withdrawals from the separate accounts. The calculations and corrections based on the RMD are only performed for the measures for the last calendar year (HwIIRAWY1, RwIIRAWY1, and SwIIRAWY1). We have not attempted to calculate a pseudo-RMD for the period since the last interview.

For further details about how the IRA withdrawal variables were derived for Wave 5 forward, see Hurd, Meijer, Pantoja, and Rohwedder (2018). [44]

In Wave 2A, the survey contains a series of questions for both the Respondent and spouse that ask about "regular income payments," of which "IRA distributions" is one of several response options. While it is possible to report as many as four IRA distributions, only two are actually present in the data for both the Respondent and spouse. These are imputed separately, just as we do for the other regular income payments asked about in this question sequence. R2IIRAWY1 and S2IIRAWY1 represent the total IRA distribution amount from all owned accounts in the last calendar year. R2IFIRAWY1 and S2IFIRAWY1 are flags that indicate whether any components are imputed, and if so, how much information is available for imputation. For the convenience of the analyst, we also provide the household-level variables H2IIRAWY1 and H2IFIRAWY1, which combine the information in the corresponding Respondent and spouse variables.

Cross Wave Differences in Original HRS Data

From Wave 5 forward, the HRS survey elicits information on whether households own any individual retirement accounts and asks related follow-up questions in the Assets and Income section of the survey. In married or partnered households the Financial Respondent answers all questions in this section on behalf of both the Respondent and the spouse. The IRA questions follow the same basic structure:

a) "Do you (or your husband/wife/partner) currently have any money or assets that are held in an Individual Retirement Account, that is, in an IRA or KEOGH account?"

b) "How many IRA or KEOGH accounts do you (and your husband/wife/partner) have?"

The following sequence is then asked up to three times, depending on how many IRA or Keogh accounts were reported. Respondents are first asked about the largest, followed by the next largest, and the third or – if the household owns more than three – all other IRA or Keogh accounts, if applicable.

c) "Are these / Is that yours or your (husband's/wife's/partner's)?"

d) "About how much (in total) is in this (these (other) IRA or KEOGH) account(s) at the present time?"

If the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. Later, Respondents are asked about IRA withdrawals:

a) "Have you (or your (husband/wife/partner)) withdrawn any money or received any payments from (this account/these accounts) (since R's last interview / in the last two years)?"

b) "Altogether, about how much money did you (or your (husband/wife/partner)) withdraw from (this account/these accounts) (since R's last interview / in the last two years), (before taxes and other deductions)?"

Again, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. Those who provide a continuous value are asked about the frequency of receipt, with the following recorded response options:

1. IN TOTAL
3. MONTH
4. QUARTER
5. 6 MONTH
6. YEAR

[44] Hurd, M. D., Meijer, E., Pantoja, P., and Rohwedder, S. (2018). Addition to the RAND HRS Longitudinal Files: IRA Withdrawals in the HRS, 2000 to 2014. Working Paper No. 2018-388. Ann Arbor, MI: Michigan Retirement Research Center. http://doi.org/10.2139/ssrn.3337842

7. OTHER (SPECIFY)
8. DK (Don't Know); NA (Not Ascertained)
9. RF (Refused)

For those who answer the unfolding bracket questions, the frequency of receipt question is not asked, and the bracket questions refer to the total period (since last interview or last two years).

Finally, Respondents are asked the following question:

c) "Did you (or your (husband/wife/partner)) take out only the "minimum withdrawal option," that is, the amount required to avoid a tax penalty?"

Respondents are then asked a separate set of questions about any IRA or Keogh accounts that have been cashed in or annuitized. First, they are asked:

a) "Did you (or your (husband/wife/partner)) cash in or convert any (other) IRA or KEOGH accounts to annuities at any time (since FINANCIAL R's LAST IW MONTH, YEAR/in the last two years)?"

Those who say "yes" are asked:

b) "Was that your IRA or KEOGH or your (husband's/wife's/partner's)?"

c) "Did you (or your (husband/wife/partner)) cash in these accounts, convert them to annuities, or what?"

Respondents who report cashing in any accounts are asked how much was withdrawn. If they refuse or do not know the value, a series of unfolding bracket questions are asked, except in Wave 5, where no such questions are present.

The information elicited in the survey allows computing for each household the total IRA withdrawal amount taken out since the last interview, or in the last two years.

In Wave 2A, Financial Respondents are asked the following questions about their own income and then are asked about their spouse's income:

a) "Do you receive any (other) regular income payments; for example, from retirement pensions, Veterans Benefits, annuities, payments from an IRA account, or anything like that?"

b) "Please think about the largest (other) regular income you receive. What type of income is that?"

[IWER: PROBE WITH CATEGORIES ONLY IF R NEEDS HELP]
1. VETERANS BENEFITS
2. RETIREMENT OR OTHER PENSIONS
3. ANNUITY
4. IRA DISTRIBUTION
5. STOCKS AND BONDS
7. OTHER
8. DK
9. RF

This set of questions is repeated twice so that Respondents can report up to 3 current other regular incomes. Then they are asked:

a) "Did you receive any other regular income in (last calendar year) that you no longer receive?"

b) "What type of income was that?"

(Same categories as above)

So there are a total of 4 other regular incomes that can be reported. Categories may be specified more than once, and there are up to 3 different instances of an income like pensions or stocks. Besides pensions and annuities, other waves allow only one reported amount for most income categories, so that a Respondent would give a total of all dividend income received.

If income is received, subsequent questions serve to identify the date of receipt (was income received in last calendar year?) and amount received. There are no unfolding brackets for income in Wave 2A.

HRS Variables Used

AHEAD 1993:

B1456	J19. R REG INC: RECEIVE ANY
B1457	J20-1. R REG INC: TYPE-1
B1458	J21-1. R REG INC: PAID PER MONTH-1
B1459	J21b-1. R REG INC: $ PERIOD-1
B1460	J21c-1. R REG INC: $ LAST PERIOD-1
B1462	J21e-1. R REG INC: START >2YRS AGO-1
B1463	J21f-1. R REG INC: START MONTH-1
B1464	J21g-1. R REG INC: START YEAR-1
B1473	J26-1. R REG INC: ANY OTHER-1
B1475	J20-2. R REG INC: TYPE-2
B1476	J21-2. R REG INC: PAID PER MONTH-2
B1477	J21b-2. R REG INC: $ PERIOD-2
B1478	J21c-2. R REG INC: $ LAST PERIOD-2
B1480	J21e-2. R REG INC: START >2YRS AGO-2
B1481	J21f-2. R REG INC: START MONTH-2
B1482	J21g-2. R REG INC: START YEAR-2
B1491	J26-2. R REG INC: ANY OTHER-2
B1492	J20-3. R REG INC: TYPE-3
B1493	J21-3. R REG INC: PAID PER MONTH-3
B1494	J21b-3. R REG INC: $ PERIOD-3
B1495	J21c-3. R REG INC: $ LAST PERIOD-3
B1497	J21e-3. R REG INC: START >2YRS AGO-3
B1498	J21f-3. R REG INC: START MONTH-3
B1499	J21g-3. R REG INC: START YEAR-3
B1508	J27. R REG INC: ANY END 1992/3
B1509	J27a. R REG INC END1992/3: TYPE
B1510	J28. R REG INC END 1992/3: PAID PER MO
B1511	J28a. R REG INC END 1992/3: $ PERIOD
B1512	J28b.R REG INC END1992/3:$ LAST PERIOD
B1513	J28c. R REG INC END92/3: LAST MO RECD
B1514	J28d. R REG INC END92/3: LAST YR RECD
B1515	J29. SP REG INC: RECEIVE ANY
B1517	J30-1. SP REG INC: TYPE-1
B1518	J31-1. SP REG INC: PAID PER MONTH-1
B1519	J31b-1. SP REG INC: $ PERIOD-1
B1520	J31c-1. SP REG INC: $ LAST PERIOD-1
B1522	J31e-1. SP REG INC: START >2YRS AGO-1
B1523	J31f-1. SP REG INC: START MONTH-1
B1524	J31g-1. SP REG INC: START YEAR-1
B1533	J36-1. SP REG INC: ANY OTHER-1
B1539	J30-2. SP REG INC: TYPE-2
B1540	J31-2. SP REG INC: PAID PER MONTH-2
B1541	J31b-2. SP REG INC: $ PERIOD-2
B1542	J31c-2. SP REG INC: $ LAST PERIOD-2

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    B1544           J31e-2. SP REG INC: START >2YRS AGO-2
    B1545           J31f-2. SP REG INC: START MONTH-2
    B1546           J31g-2. SP REG INC: START YEAR-2
    B1555           J36-2. SP REG INC: ANY OTHER-2
    B1560           J30-3. SP REG INC: TYPE-3
    B1561           J31-3. SP REG INC: PAID PER MONTH-3
    B1562           J31b-3. SP REG INC: $ PERIOD-3
    B1563           J31c-3. SP REG INC: $ LAST PERIOD-3
    B1565           J31e-3. SP REG INC: START >2YRS AGO-3
    B1566           J31f-3. SP REG INC: START MONTH-3
    B1567           J31g-3. SP REG INC: START YEAR-3
    B1576           J37. SP REG INC: ANY END 92/93
    B1577           J37a. SP REG INC END 92/93: TYPE
    B1578           J37b. SP REG INC END 92/93: LAST MO RECD
    B1579           J37b. SP REG INC END 92/93: LAST YR RECD
    B1580           J37c. SP REG INC END 92/93: PAID PER MO
    B1581           J37d. SP REG INC END 92/93: $ PERIOD
    B1582           J37e. SP REG INC END 92/93: $ LST PERIOD
HRS 2000:
    G5329           J90.IRA
    G5332           J93.TOTAL $ IRA ACCOUNT
    G5334           J93A.IRA DK-$10K
    G5335           J93Y1A.IRA DK-$25K
    G5336           J93B.IRA DK-$100K
    G5338           J93C.IRA DK-$400K
    G5339           J93Y2A.IRA DK-$25K
    G5340           J93D.IRA DK-$10K
    G5342           J94.IRA NO REG INC-WITHDRAW-1
    G5343           J95.LRG IRA NO REG WTHDRW AMT
    G5344           J95P.IRA WITHDRAW PER
    G5346           J95A.IRA WITHDRAW DK-$5K
    G5347           J95B.IRA WITHDRAW DK-$10K
    G5348           J95C.IRA WITHDRAW DK-$25K
    G5349           J95D.IRA WITHDRAW DK-$2500
    G5350           J96.IRA WHY WITHDRAW-1
    G5353           J99.INTRO IRA ACCOUNT-2
    G5354           J100.TOTAL $ IRA ACCOUNT-2
    G5355           J100A.IRA DK-$10K
    G5356           J100Y1A.IRA DK-$25K
    G5357           J100B.IRA DK-$100K
    G5359           J100C.IRA DK-$400K
    G5360           J100Y2A.IRA DK-$25K
    G5361           J100D.IRA DK-$10K
    G5363           J101.IRA NO REG INC-WITHDRAW-2
    G5364           J102.IRA NO REG WTHDRW AMT-2
    G5365           J102P.IRA WITHDRAW PER-2
    G5367           J102A.IRA WITHDRAW DK-$5K
    G5368           J102B.IRA WITHDRAW DK-$10K
    G5369           J102C.IRA WITHDRAW DK-$25K
    G5370           J102D.IRA WITHDRAW DK-$2500
    G5371           J103.IRA WHY WITHDRAW-2
    G5374           J106.INTRO IRA-3
    G5375           J107.TOTAL $ IRA ACCOUNT-3
    G5376           J107A.IRA DK-$10K
    G5377           J107Y1A.IRA DK-$25K
    G5378           J107B.IRA DK-$100K
    G5379           J107C.IRA DK-$400K
    G5380           J107Y2A.IRA DK-$25K
    G5381           J107D.IRA DK-$10K
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    G5382           J108.IRA NO REG INC-WITHDRAW-3
    G5383           J109.IRA NO REG WTHDRW AMT-3
    G5384           J109P.IRA WITHDRAW PER-3
    G5386           J109B.IRA WITHDRAW DK-$5K
    G5387           J109C.IRA WITHDRAW DK-$10K
    G5388           J109D.IRA WITHDRAW DK-$25K
    G5389           J109E.IRA WITHDRAW DK-$2500
    G5390           J109F.IRA WHY WITHDRAW-3
    G5393           J110.IRA OTHER ANNUITIZED
    G5394           J111.IRA WHO RECD
    G5395M1         J112.IRA WITHDRAW
    G5395M2         J112.IRA WITHDRAW
    G5411           J124.AMT WITHDRAW
HRS 2002:
    HQ184M3         HOW IRA ANNUITIZED -M3
    HU001           U001A_ASSET RECONCILIATION STEM QUESTION
    HU002M1         ASSET RECONCILIATION WHICH WRONG  -1
    HU002M2         ASSET RECONCILIATION WHICH WRONG  -2
    HU003           ASSET RECONCILIATION HOW MUCH
    HU004           ASSET RECONCILIATION - MIN
    HU005           ASSET RECONCILIATION - MAX
    HU006           ASSET RECONCILIATION - RESULT
HRS 2004:
    JQ184M3         HOW IRA ANNUITIZED -M3
HRS 2004:
    JU001_1         ASSET RECONCILIATION STEM QUESTION - 1
    JU001_2         ASSET RECONCILIATION STEM QUESTION -2
    JU001_3         ASSET RECONCILIATION STEM QUESTION -3
    JU002_1         ASSET RECONCILIATION WHICH WRONG  -1
    JU002_2         ASSET RECONCILIATION WHICH WRONG  -2
    JU002_3         ASSET RECONCILIATION WHICH WRONG - 3
    JU003A_1        PREV WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003A_2        PREV WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003A_3        PREV WAVE ASSET RECONCILIATION HOW MUCH -3
    JU003B_1        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
    JU003B_2        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
    JU003B_3        CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
    JU004A_1        PREV WAVE ASSET RECONCILIATION - MIN -1
    JU004A_2        PREV WAVE ASSET RECONCILIATION - MIN -2
    JU004A_3        PREV WAVE ASSET RECONCILIATION - MIN -3
    JU004B_1        CURRENT WAVE ASSET RECONCILIATION - MIN -1
    JU004B_2        CURRENT WAVE ASSET RECONCILIATION - MIN -2
    JU004B_3        CURRENT WAVE ASSET RECONCILIATION - MIN -3
    JU005A_1        PREV WAVE ASSET RECONCILIATION - MAX -1
    JU005A_2        PREV WAVE ASSET RECONCILIATION - MAX -2
    JU005A_3        PREV WAVE ASSET RECONCILIATION - MAX -3
    JU005B_1        CURRENT WAVE ASSET RECONCILIATION - MAX -1
    JU005B_2        CURRENT WAVE ASSET RECONCILIATION - MAX -2
    JU005B_3        CURRENT WAVE ASSET RECONCILIATION - MAX -3
    JU006A_1        PREV WAVE ASSET RECONCILIATION - RESULT -1
    JU006A_2        PREV WAVE ASSET RECONCILIATION - RESULT -2
    JU006A_3        PREV WAVE ASSET RECONCILIATION - RESULT -3
    JU006B_1        CURRENT WAVE ASSET RECONCILIATION - RESULT -1
    JU006B_2        CURRENT WAVE ASSET RECONCILIATION - RESULT -2
    JU006B_3        CURRENT WAVE ASSET RECONCILIATION - RESULT -3
    JU009_1         TYPE OF ASSETS - 1
    JU009_2         TYPE OF ASSETS -2
    JU009_3         TYPE OF ASSETS -3
    JU022A_1        PREV WAVE VALUE YEAR-1
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    JU022A_2        PREV WAVE VALUE YEAR-2
    JU022A_3        PREV WAVE VALUE YEAR-3
HRS 2006:
    KQ184M3         HOW IRA ANNUITIZED -M3
HRS 2008:
    LQ184M3         HOW IRA ANNUITIZED -M3
HRS 2010:
    MQ184M3         HOW IRA ANNUITIZED -M3
HRS 2012:
    NQ184M3         HOW IRA ANNUITIZED -M3
HRS 2014:
    OQ184M3         HOW IRA ANNUITIZED -M3
HRS 2016:
    PQ184M3         HOW IRA ANNUITIZED -M3
HRS 2018:
    QQ184M3         HOW IRA ANNUITIZED -M3
HRS 2022:
    SQ184M3         HOW IRA ANNUITIZED - M3
HRS 2002-2022:
    xQ162           IRA OR KEOGH
    xQ165_1         WHO HAS IRA ACCOUNTS -1
    xQ165_2         WHO HAS IRA ACCOUNTS -2
    xQ165_3         WHO HAS IRA ACCOUNTS -3
    xQ166_1         AMOUNT IN IRA ACCOUNT -1
    xQ166_2         AMOUNT IN IRA ACCOUNT -2
    xQ166_3         AMOUNT IN IRA ACCOUNT -3
    xQ167_1         AMT IN IRA ACCOUNT - MIN -1
    xQ167_2         AMT IN IRA ACCOUNT - MIN -2
    xQ167_3         AMT IN IRA ACCOUNT - MIN -3
    xQ168_1         AMT IN IRA ACCOUNT - MAX -1
    xQ168_2         AMT IN IRA ACCOUNT - MAX -2
    xQ168_3         AMT IN IRA ACCOUNT - MAX -3
    xQ169_1         AMT IN IRA ACCOUNT - RESULT -1
    xQ169_2         AMT IN IRA ACCOUNT - RESULT -2
    xQ169_3         AMT IN IRA ACCOUNT - RESULT -3
    xQ170_1         WITHDRAWN ANY MONEY FROM IRA -1
    xQ170_2         WITHDRAWN ANY MONEY FROM IRA -2
    xQ170_3         WITHDRAWN ANY MONEY FROM IRA -3
    xQ171_1         AMOUNT WITHDRAWN FROM IRA ACCOUNT -1
    xQ171_2         AMOUNT WITHDRAWN FROM IRA ACCOUNT -2
    xQ171_3         AMOUNT WITHDRAWN FROM IRA ACCOUNT -3
    xQ172_1         AMT WITHDR FR IRA ACCOUNT - MIN -1
    xQ172_2         AMT WITHDR FR IRA ACCOUNT - MIN -2
    xQ172_3         AMT WITHDR FR IRA ACCOUNT - MIN -3
    xQ173_1         AMT WITHDR FR IRA ACCOUNT - MAX -1
    xQ173_2         AMT WITHDR FR IRA ACCOUNT - MAX -2
    xQ173_3         AMT WITHDR FR IRA ACCOUNT - MAX -3
    xQ174_1         AMT WITHDR FR IRA ACCOUNT - RESULT -1
    xQ174_2         AMT WITHDR FR IRA ACCOUNT - RESULT -2
    xQ174_3         AMT WITHDR FR IRA ACCOUNT - RESULT -3
    xQ175_1         AMT WITHDR FR IRA ACCOUNTS-PER -1
    xQ175_2         AMT WITHDR FR IRA ACCOUNTS-PER -2
    xQ175_3         AMT WITHDR FR IRA ACCOUNTS-PER -3
    xQ177_1         IRA MONEY MINIMUM WITHDRAWAL -1
    xQ177_2         IRA MONEY MINIMUM WITHDRAWAL -2
    xQ177_3         IRA MONEY MINIMUM WITHDRAWAL -3
    xQ182           OTHER IRA ANNUITIES
    xQ183           WHO HAS OTHER IRA ANNUITIES
    xQ184M1         HOW IRA ANNUITIZED -M1
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    xQ184M2         HOW IRA ANNUITIZED -M2
    xQ204           AMT WITHDRAWN FROM OTHER IRA
    xQ205           AMT WITHDRAWN FROM OTHER IRA - MIN
    xQ206           AMT WITHDRAWN FROM OTHER IRA - MAX
    xQ207           AMT WITHDRAWN FROM OTHER IRA - RESULT
HRS 2006-2020:
    xU001_9         ASSET RECONCILIATION-IRA
    xU002_9         ASSET RECONCILIATION WHICH WRONG-IRA
    xU003_9A        ASSET RECONCILIATION HOW MUCH -A-IRA
    xU003_9B        ASSET RECONCILIATION HOW MUCH-B-IRA
    xU004_9A        ASSET RECONCILIATION -MIN-A-IRA
    xU004_9B        ASSET RECONCILIATION -MIN-B-IRA
    xU005_9A        ASSET RECONCILIATION -MAX-A -IRA
    xU005_9B        ASSET RECONCILIATION -MAX-B -IRA
    xU006_9A        ASSET RECONCILIATION - RESULT-A-IRA
    xU006_9B        ASSET RECONCILIATION - RESULT-B-IRA
    xU022_9A        WHICH WAVE VALUE WAS WRONG-A-IRA
    xU022_9B        WHICH WAVE VALUE WAS WRONG-B-IRA
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Poverty Threshold

Wave	Variable	Label	Type
1	H1INPOV	H1INPOV:W1 Whether in Poverty	Categ
2	H2INPOV	H2INPOV:W2 Whether in Poverty	Categ
3	H3INPOV	H3INPOV:W3 Whether in Poverty	Categ
4	H4INPOV	H4INPOV:W4 Whether in Poverty	Categ
5	H5INPOV	H5INPOV:W5 Whether in Poverty	Categ
6	H6INPOV	H6INPOV:W6 Whether in Poverty	Categ
7	H7INPOV	H7INPOV:W7 Whether in Poverty	Categ
8	H8INPOV	H8INPOV:W8 Whether in Poverty	Categ
9	H9INPOV	H9INPOV:W9 Whether in Poverty	Categ
10	H10INPOV	H10INPOV:W10 Whether in Poverty	Categ
11	H11INPOV	H11INPOV:W11 Whether in Poverty	Categ
12	H12INPOV	H12INPOV:W12 Whether in Poverty	Categ
13	H13INPOV	H13INPOV:W13 Whether in Poverty	Categ
14	H14INPOV	H14INPOV:W14 Whether in Poverty	Categ
15	H15INPOV	H15INPOV:W15 Whether in Poverty	Categ
16	H16INPOV	H16INPOV:W16 Whether in Poverty	Categ
9	H9INPOVD	H9INPOVD:W9 Whether in Poverty (part d)	Categ
10	H10INPOVD	H10INPOVD:W10 Whether in Poverty (part d)	Categ
1	H1INPOVR	H1INPOVR:W1 Ratio HH Inc:PovThr	Cont
2	H2INPOVR	H2INPOVR:W2 Ratio HH Inc:PovThr	Cont
3	H3INPOVR	H3INPOVR:W3 Ratio HH Inc:PovThr	Cont
4	H4INPOVR	H4INPOVR:W4 Ratio HH Inc:PovThr	Cont
5	H5INPOVR	H5INPOVR:W5 Ratio HH Inc:PovThr	Cont
6	H6INPOVR	H6INPOVR:W6 Ratio HH Inc:PovThr	Cont
7	H7INPOVR	H7INPOVR:W7 Ratio HH Inc:PovThr	Cont
8	H8INPOVR	H8INPOVR:W8 Ratio HH Inc:PovThr	Cont
9	H9INPOVR	H9INPOVR:W9 Ratio HH Inc:PovThr	Cont
10	H10INPOVR	H10INPOVR:W10 Ratio HH Inc:PovThr	Cont
11	H11INPOVR	H11INPOVR:W11 Ratio HH Inc:PovThr	Cont
12	H12INPOVR	H12INPOVR:W12 Ratio HH Inc:PovThr	Cont
13	H13INPOVR	H13INPOVR:W13 Ratio HH Inc:PovThr	Cont
14	H14INPOVR	H14INPOVR:W14 Ratio HH Inc:PovThr	Cont
15	H15INPOVR	H15INPOVR:W15 Ratio HH Inc:PovThr	Cont
16	H16INPOVR	H16INPOVR:W16 Ratio HH Inc:PovThr	Cont
9	H9INPOVRD	H9INPOVRD:W9 Ratio HH Inc:PovThr (part d)	Cont
10	H10INPOVRD	H10INPOVRD:W10 Ratio HH Inc:PovThr (part d)	Cont
1	H1POVFAM	H1POVFAM:W1 FamType for PovThresh	Categ
2	H2POVFAM	H2POVFAM:W2 FamType for PovThresh	Categ
3	H3POVFAM	H3POVFAM:W3 FamType for PovThresh	Categ
4	H4POVFAM	H4POVFAM:W4 FamType for PovThresh	Categ
5	H5POVFAM	H5POVFAM:W5 FamType for PovThresh	Categ
6	H6POVFAM	H6POVFAM:W6 FamType for PovThresh	Categ
7	H7POVFAM	H7POVFAM:W7 FamType for PovThresh	Categ
8	H8POVFAM	H8POVFAM:W8 FamType for PovThresh	Categ
9	H9POVFAM	H9POVFAM:W9 FamType for PovThresh	Categ
10	H10POVFAM	H10POVFAM:W10 FamType for PovThresh	Categ
11	H11POVFAM	H11POVFAM:W11 FamType for PovThresh	Categ
12	H12POVFAM	H12POVFAM:W12 FamType for PovThresh	Categ
13	H13POVFAM	H13POVFAM:W13 FamType for PovThresh	Categ
14	H14POVFAM	H14POVFAM:W14 FamType for PovThresh	Categ
15	H15POVFAM	H15POVFAM:W15 FamType for PovThresh	Categ
16	H16POVFAM	H16POVFAM:W16 FamType for PovThresh	Categ
1	H1POVHHI	H1POVHHI:W1 HH Inc to chk Poverty	Cont
2	H2POVHHI	H2POVHHI:W2 HH Inc to chk Poverty	Cont
3	H3POVHHI	H3POVHHI:W3 HH Inc to chk Poverty	Cont
4	H4POVHHI	H4POVHHI:W4 HH Inc to chk Poverty	Cont
5	H5POVHHI	H5POVHHI:W5 HH Inc to chk Poverty	Cont
6	H6POVHHI	H6POVHHI:W6 HH Inc to chk Poverty	Cont
7	H7POVHHI	H7POVHHI:W7 HH Inc to chk Poverty	Cont
8	H8POVHHI	H8POVHHI:W8 HH Inc to chk Poverty	Cont
9	H9POVHHI	H9POVHHI:W9 HH Inc to chk Poverty	Cont

10	H10POVHHI	H10POVHHI:W10 HH Inc to chk Poverty	Cont
11	H11POVHHI	H11POVHHI:W11 HH Inc to chk Poverty	Cont
12	H12POVHHI	H12POVHHI:W12 HH Inc to chk Poverty	Cont
13	H13POVHHI	H13POVHHI:W13 HH Inc to chk Poverty	Cont
14	H14POVHHI	H14POVHHI:W14 HH Inc to chk Poverty	Cont
15	H15POVHHI	H15POVHHI:W15 HH Inc to chk Poverty	Cont
16	H16POVHHI	H16POVHHI:W16 HH Inc to chk Poverty	Cont
9	H9POVHHID	H9POVHHID:W9 HH Inc to chk Poverty (part d)	Cont
10	H10POVHHID	H10POVHHID:W10 HH Inc to chk Poverty (part d)	Cont
1	H1POVTHR	H1POVTHR:W1 Poverty Threshold	Cont
2	H2POVTHR	H2POVTHR:W2 Poverty Threshold	Cont
3	H3POVTHR	H3POVTHR:W3 Poverty Threshold	Cont
4	H4POVTHR	H4POVTHR:W4 Poverty Threshold	Cont
5	H5POVTHR	H5POVTHR:W5 Poverty Threshold	Cont
6	H6POVTHR	H6POVTHR:W6 Poverty Threshold	Cont
7	H7POVTHR	H7POVTHR:W7 Poverty Threshold	Cont
8	H8POVTHR	H8POVTHR:W8 Poverty Threshold	Cont
9	H9POVTHR	H9POVTHR:W9 Poverty Threshold	Cont
10	H10POVTHR	H10POVTHR:W10 Poverty Threshold	Cont
11	H11POVTHR	H11POVTHR:W11 Poverty Threshold	Cont
12	H12POVTHR	H12POVTHR:W12 Poverty Threshold	Cont
13	H13POVTHR	H13POVTHR:W13 Poverty Threshold	Cont
14	H14POVTHR	H14POVTHR:W14 Poverty Threshold	Cont
15	H15POVTHR	H15POVTHR:W15 Poverty Threshold	Cont
16	H16POVTHR	H16POVTHR:W16 Poverty Threshold	Cont
1	H1NHMLIV	H1NHMLIV:W1 HHold nursing hm status	Categ
2	H2NHMLIV	H2NHMLIV:W2 HHold nursing hm status	Categ
3	H3NHMLIV	H3NHMLIV:W3 HHold nursing hm status	Categ
4	H4NHMLIV	H4NHMLIV:W4 HHold nursing hm status	Categ
5	H5NHMLIV	H5NHMLIV:W5 HHold nursing hm status	Categ
6	H6NHMLIV	H6NHMLIV:W6 HHold nursing hm status	Categ
7	H7NHMLIV	H7NHMLIV:W7 HHold nursing hm status	Categ
8	H8NHMLIV	H8NHMLIV:W8 HHold nursing hm status	Categ
9	H9NHMLIV	H9NHMLIV:W9 HHold nursing hm status	Categ
10	H10NHMLIV	H10NHMLIV:W10 HHold nursing hm status	Categ
11	H11NHMLIV	H11NHMLIV:W11 HHold nursing hm status	Categ
12	H12NHMLIV	H12NHMLIV:W12 HHold nursing hm status	Categ
13	H13NHMLIV	H13NHMLIV:W13 HHold nursing hm status	Categ
14	H14NHMLIV	H14NHMLIV:W14 HHold nursing hm status	Categ
15	H15NHMLIV	H15NHMLIV:W15 HHold nursing hm status	Categ
16	H16NHMLIV	H16NHMLIV:W16 HHold nursing hm status	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1INPOV	12652	0.10	0.30	0.0	1.0
H2INPOV	19634	0.11	0.31	0.0	1.0
H3INPOV	17693	0.10	0.30	0.0	1.0
H4INPOV	20955	0.10	0.29	0.0	1.0
H5INPOV	19122	0.09	0.28	0.0	1.0
H6INPOV	17705	0.09	0.29	0.0	1.0
H7INPOV	19669	0.09	0.28	0.0	1.0
H8INPOV	18031	0.09	0.28	0.0	1.0
H9INPOV	16776	0.09	0.28	0.0	1.0
H10INPOV	21565	0.13	0.34	0.0	1.0
H11INPOV	20076	0.14	0.34	0.0	1.0
H12INPOV	18305	0.14	0.35	0.0	1.0
H13INPOV	20603	0.15	0.35	0.0	1.0
H14INPOV	16963	0.15	0.35	0.0	1.0
H15INPOV	15592	0.13	0.34	0.0	1.0
H16INPOV	15645	0.15	0.36	0.0	1.0
H9INPOVD	16776	0.09	0.28	0.0	1.0
H10INPOVD	21565	0.13	0.34	0.0	1.0
H1INPOVR	12652	4.93	5.04	0.0	110.2
H2INPOVR	19634	4.61	7.84	0.0	432.9
H3INPOVR	17693	4.85	7.08	0.0	386.9
H4INPOVR	20955	5.07	8.90	0.0	468.6
H5INPOVR	19122	5.18	9.50	0.0	623.6
H6INPOVR	17705	4.93	8.93	0.0	802.6
H7INPOVR	19669	5.25	8.41	0.0	369.5
H8INPOVR	18031	5.35	23.06	0.0	1939.1
H9INPOVR	16776	5.52	47.48	0.0	6035.2
H10INPOVR	21565	4.52	6.11	0.0	290.1
H11INPOVR	20076	4.56	6.85	0.0	340.0
H12INPOVR	18305	4.71	9.83	0.0	888.5
H13INPOVR	20603	4.83	7.94	0.0	420.4
H14INPOVR	16963	4.97	10.08	0.0	500.6
H15INPOVR	15592	4.86	8.03	0.0	370.9
H16INPOVR	15645	4.79	8.10	0.0	289.2
H9INPOVRD	16776	5.53	47.48	0.0	6035.2
H10INPOVRD	21565	4.52	6.11	0.0	290.1
H1POVFAM	12652	269.69	132.23	100.0	908.0
H2POVFAM	19634	232.45	116.17	100.0	908.0
H3POVFAM	17693	228.90	118.13	100.0	908.0
H4POVFAM	20955	229.74	119.86	100.0	908.0
H5POVFAM	19122	223.59	115.26	100.0	908.0
H6POVFAM	17705	217.56	105.45	100.0	907.0
H7POVFAM	19669	226.72	116.19	100.0	908.0
H8POVFAM	18031	222.66	112.58	100.0	908.0
H9POVFAM	16776	218.36	109.98	100.0	908.0
H10POVFAM	21565	236.80	130.37	100.0	908.0
H11POVFAM	20076	234.19	129.58	100.0	908.0
H12POVFAM	18305	230.66	126.75	100.0	908.0
H13POVFAM	20603	238.03	134.20	100.0	908.0
H14POVFAM	16963	235.21	132.84	100.0	908.0
H15POVFAM	15592	229.21	127.64	100.0	908.0
H16POVFAM	15645	229.71	130.60	100.0	908.0

H1POVHHI	12652	51034.62	51421.98	0.0	1270747.0
H2POVHHI	19634	46596.90	74764.64	0.0	3254517.1
H3POVHHI	17693	50982.44	72993.90	0.0	3067646.7
H4POVHHI	20955	56784.61	156970.97	0.0	13716545.0
H5POVHHI	19122	58323.21	102289.08	0.0	5537080.0
H6POVHHI	17705	58154.09	93841.00	0.0	7395354.0
H7POVHHI	19669	66196.74	102674.02	0.0	3536773.5
H8POVHHI	18031	70346.88	304678.78	0.0	25360100.0
H9POVHHI	16776	74384.57	478108.15	0.0	60014376.0
H10POVHHI	21565	67659.67	91415.19	0.0	2984749.5
H11POVHHI	20076	70920.87	101960.43	0.0	3667705.2
H12POVHHI	18305	74913.19	141661.67	0.0	10767268.1
H13POVHHI	20603	80406.43	158864.70	0.0	10147550.0
H14POVHHI	16963	84564.14	166020.73	0.0	7416602.4
H15POVHHI	15592	85385.99	135182.14	0.0	5731600.0
H16POVHHI	15645	89142.07	144724.03	0.0	4737218.1
H9POVHHID	16776	74461.67	478106.76	0.0	60014376.0
H10POVHHID	21565	67729.13	91407.25	0.0	2984749.5
H1POVTHR	12652	10676.61	3263.51	6532.0	30311.0
H2POVTHR	19634	9964.10	3161.30	6729.0	32158.0
H3POVTHR	17693	10449.80	3406.39	7108.0	33916.0
H4POVTHR	20955	11093.42	3624.34	7698.0	35719.0
H5POVTHR	19122	11295.07	3608.72	7990.0	37076.0
H6POVTHR	17705	11760.77	3500.85	8494.0	39413.0
H7POVTHR	19669	12572.91	4027.25	8825.0	40948.0
H8POVTHR	18031	13132.18	4127.79	9367.0	43463.0
H9POVTHR	16776	13730.72	4270.19	9944.0	46143.0
H10POVTHR	21565	15150.23	5252.68	10289.0	47744.0
H11POVTHR	20076	15766.67	5507.30	10788.0	49818.0
H12POVTHR	18305	16150.38	5570.06	11173.0	51594.0
H13POVTHR	20603	16859.34	5947.32	11367.0	52747.0
H14POVTHR	16963	17264.94	6128.29	11756.0	54550.0
H15POVTHR	15592	17655.58	6119.02	12261.0	56895.0
H16POVTHR	15645	18785.86	6634.69	12996.0	60303.0
H1NHMLIV	12652	0.00	0.00	0.0	0.0
H2NHMLIV	19642	0.00	0.05	0.0	3.0
H3NHMLIV	17991	0.05	0.34	0.0	3.0
H4NHMLIV	21384	0.06	0.39	0.0	3.0
H5NHMLIV	19578	0.07	0.42	0.0	3.0
H6NHMLIV	18165	0.07	0.44	0.0	3.0
H7NHMLIV	20129	0.06	0.42	0.0	3.0
H8NHMLIV	18469	0.07	0.42	0.0	3.0
H9NHMLIV	17217	0.07	0.44	0.0	3.0
H10NHMLIV	22034	0.06	0.40	0.0	3.0
H11NHMLIV	20554	0.07	0.42	0.0	3.0
H12NHMLIV	18747	0.07	0.43	0.0	3.0
H13NHMLIV	20912	0.04	0.34	0.0	3.0
H14NHMLIV	17146	0.03	0.29	0.0	3.0
H15NHMLIV	15723	0.02	0.25	0.0	3.0
H16NHMLIV	15787	0.03	0.26	0.0	3.0

Categorical Variable Codes

HwINPOV: Whether in Poverty

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.I=R in nursing home		8	298	429	456	460	460	438	441	469
0.HH inc above pov thresh	11384	17513	15900	18964	17466	16126	17916	16459	15293	18774
1.HH inc below pov thresh	1268	2121	1793	1991	1656	1579	1753	1572	1483	2791

Value	w11	w12	w13	w14	w15	w16
.I=R in nursing home	478	442	309	183	131	142
0.HH inc above pov thresh	17326	15774	17558	14459	13544	13303
1.HH inc below pov thresh	2750	2531	3045	2504	2048	2342

HwINPOVD: Whether in Poverty (part d)

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.I=R in nursing home									441	469
0.HH inc above pov thresh									15307	18784
1.HH inc below pov thresh									1469	2781

Value	w11	w12	w13	w14	w15	w16
.I=R in nursing home						
0.HH inc above pov thresh						
1.HH inc below pov thresh						

HwPOVFAM: FamType for PovThresh

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.I=All core HH mem in insti		8	298	429	456	460	460	438	441	469
100: 1 in HH lt 65	1472	1463	1537	1698	1525	1308	1644	1359	1185	2326
110: 1 in HH gt 65	11	2699	2441	3070	3112	3123	3109	3244	3291	3146
200: 2 in HH lt 65/0 kids	5007	4851	4472	4721	4031	3426	3705	2853	2328	3714
201: 2 in HH lt 65/1 kid	156	130	114	139	108	65	128	94	79	237
210: 2 in HH gt 65/0 kids	496	5031	4608	5936	5882	5924	6071	6164	6185	5710
211: 2 in HH gt 65/1 kid	1	23	24	41	33	28	27	26	37	32
300: 3 in HH/0 kids	1940	2270	1797	2155	1867	1786	1994	1840	1611	2228
301: 3 in HH/1 kids	839	706	589	668	525	415	634	485	408	794
302: 3 in HH/2 kids	51	39	38	45	35	29	57	27	31	82
400: 4 in HH/0 kids	594	599	515	592	475	429	616	497	403	751
401: 4 in HH/1 kids	548	452	339	429	370	324	430	366	299	596
402: 4 in HH/2 kids	383	310	249	292	217	171	273	217	187	405
403: 4 in HH/3 kids	17	16	19	18	9	9	19	17	12	33
500: 5 in HH/0 kids	125	133	147	143	97	72	128	127	98	204
501: 5 in HH/1 kids	185	161	118	155	151	127	157	118	114	219
502: 5 in HH/2 kids	208	179	143	167	157	126	175	156	123	259
503: 5 in HH/3 kids	107	98	79	78	51	42	83	50	42	104
504: 5 in HH/4 kids	16	6	9	6	5	3	3	4	4	14
600: 6 in HH/0 kids	27	20	33	47	37	23	18	19	19	54
601: 6 in HH/1 kids	40	46	54	59	49	38	38	42	44	70
602: 6 in HH/2 kids	97	94	57	97	99	52	64	81	76	119
603: 6 in HH/3 kids	75	57	56	79	45	48	51	58	46	93
604: 6 in HH/4 kids	26	27	22	31	24	16	24	20	16	52
605: 6 in HH/5 kids	5	1	1	4	4	2	1	2	1	3
700: 7 in HH/0 kids	1	6	21	11	10	1	3	6	5	12

701: 7 in HH/1 kids	14	21	28	27	6	4	16	14	9	21
702: 7 in HH/2 kids	32	31	36	45	29	13	19	32	13	39
703: 7 in HH/3 kids	29	46	27	44	25	26	41	28	22	44
704: 7 in HH/4 kids	16	24	16	24	25	9	20	11	19	33
705: 7 in HH/5 kids	17	7	10	5	9	5	6	10	3	12
706: 7 in HH/6 kids	2	1	2			2				
800: 8 in HH/0 kids		2		5	8	6	3	2		4
801: 8 in HH/1 kids	6	6	6	8	5	5	9	2	6	6
802: 8 in HH/2 kids	8	1	12	22	7	2	8	6	6	13
803: 8 in HH/3 kids	24	17	10	18	16	6	13	15	14	15
804: 8 in HH/4 kids	21	10	9	7	10	5	21	8	13	25
805: 8 in HH/5 kids	11	11	5	6	13	3	10	5	2	18
806: 8 in HH/6 kids	4	4		8	4					12
807: 8 in HH/7 kids	2									
900: 9 in HH/0 kids		6		1			6			2
901: 9 in HH/1 kids	2	4	10	5	4	4	4	4	1	5
902: 9 in HH/2 kids	2	5	3	5	4	4	5	2	1	6
903: 9 in HH/3 kids	12	4	5	3	11	10	10	3	1	7
904: 9 in HH/4 kids	4	2	11	14	8	10	5	7	6	21
905: 9 in HH/5 kids	8	6	7	12	8		9	3	3	15
906: 9 in HH/6 kids	3	1	9	7	2	2	6	3	9	6
907: 9 in HH/7 kids	3	3	3	4	9	2	3	3	3	2
908: 9 in HH/8 kids	5	5	2	4	1		3	1	1	2

Value	w11	w12	w13	w14	w15	w16
.I=All core HH mem in insti	478	442	309	183	131	142
100: 1 in HH lt 65	2122	1914	2583	1945	1736	1872
110: 1 in HH gt 65	3108	3019	2967	2772	2735	2817
200: 2 in HH lt 65/0 kids	3420	2975	3518	2698	2307	2238
201: 2 in HH lt 65/1 kid	164	129	256	164	121	157
210: 2 in HH gt 65/0 kids	5518	5208	4827	4285	4264	4032
211: 2 in HH gt 65/1 kid	27	26	36	26	29	38
300: 3 in HH/0 kids	2081	1950	2256	1864	1881	1809
301: 3 in HH/1 kids	657	536	786	517	427	434
302: 3 in HH/2 kids	50	51	87	67	45	52
400: 4 in HH/0 kids	687	644	780	714	555	622
401: 4 in HH/1 kids	528	431	524	445	321	312
402: 4 in HH/2 kids	304	230	387	228	145	182
403: 4 in HH/3 kids	21	18	18	16	19	19
500: 5 in HH/0 kids	175	142	232	183	154	189
501: 5 in HH/1 kids	261	206	262	195	174	140
502: 5 in HH/2 kids	236	184	245	175	127	149
503: 5 in HH/3 kids	79	53	108	80	67	87
504: 5 in HH/4 kids	9	17	12	8	10	11
600: 6 in HH/0 kids	48	41	74	39	47	62
601: 6 in HH/1 kids	63	75	80	76	65	58
602: 6 in HH/2 kids	108	121	126	117	65	73
603: 6 in HH/3 kids	76	77	77	65	65	62
604: 6 in HH/4 kids	36	17	35	20	17	19
605: 6 in HH/5 kids	1	1	5	2		2
700: 7 in HH/0 kids	13	8	14	8	18	12
701: 7 in HH/1 kids	21	20	23	21	11	9
702: 7 in HH/2 kids	36	26	33	31	24	19
703: 7 in HH/3 kids	43	50	46	46	31	26
704: 7 in HH/4 kids	23	20	29	25	19	13
705: 7 in HH/5 kids	6	4	15	8	7	9
706: 7 in HH/6 kids	1	2	5	3	1	
800: 8 in HH/0 kids	4	2	5	5	6	5
801: 8 in HH/1 kids	7	3	8	8	8	4
802: 8 in HH/2 kids	24	14	20	9	5	18
803: 8 in HH/3 kids	17	15	15	15	20	16
804: 8 in HH/4 kids	26	15	21	19	15	22
805: 8 in HH/5 kids	5	4	13	4	8	3
806: 8 in HH/6 kids	5	2	6	2	1	1
807: 8 in HH/7 kids						
900: 9 in HH/0 kids	6	5	1			1
901: 9 in HH/1 kids			4	3	1	4
902: 9 in HH/2 kids	8	10	4	6	2	5
903: 9 in HH/3 kids	11	7	10	8	6	6
904: 9 in HH/4 kids	17	14	13	14	18	14

905: 9 in HH/5 kids	7	7	4	9	3	7
906: 9 in HH/6 kids	9	8	13	11	5	6
907: 9 in HH/7 kids	6		13	3	4	6
908: 9 in HH/8 kids	2	4	7	4	3	3

HwNHMLIV: HHold nursing hm status

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No one in NHM	12652	19631	17625	20885	19052	17643	19608	17973	16718	21492
1.One of cpl in NHM		6	136	140	139	124	123	116	116	149
2.Both of cpl in NHM			16	19	24	18	17	25	17	34
3.Single R, in NHM		5	214	340	363	380	381	355	366	359

Value	w11	w12	w13	w14	w15	w16
0.No one in NHM	20014	18260	20557	16938	15571	15627
1.One of cpl in NHM	123	90	92	51	42	36
2.Both of cpl in NHM	29	34	15	11	7	7
3.Single R, in NHM	388	363	248	146	103	117

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document. Unless otherwise noted, income variables refer to income received last calendar year.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the RAND HRS Detailed Imputations File.

How Constructed

The household income from the last calendar year is compared to the U.S. Census Bureau poverty thresholds for the year prior to the interview wave. For example, for Wave 6 (HRS 2002), it is compared to poverty thresholds from 2001 and for Wave 7 (HRS 2004), it is compared to poverty thresholds from 2003. The family composition is derived using household members reported at the time of the interview.

HwINPOV indicates whether household income for the last calendar year is below the poverty threshold, using the U.S. Census Bureau definition and poverty thresholds. There are separate income levels for 48 categories of family composition. The number of resident family members, the number under 18 years old, and the age of the household head define family composition. HwPOVFAM provides the family composition used to determine the appropriate income level. HwPOVTHR stores the corresponding Census Bureau poverty threshold for the appropriate year. HwPOVHHI provides the household income that is to be compared to the poverty threshold. HRS total household income (HwITOT) is adjusted to conform to the Census Bureau definition, that is, food stamps are subtracted, and amounts previously deducted from Social Security payments for Medicare Part B and/or Part D premiums, and income of other resident family members are added. HwINPOVR is the ratio of household income to the poverty threshold (i.e., HwINPOVR = HwPOVHHI/HwPOVTHR).

The Census Bureau (CPS-compatible) definition of resident family includes those away with no other residence who are not institutionalized. For compatibility, non-core resident family members who are away in institutions (i.e., those who are in the military or institutions like nursing homes or prisons) are not counted, and core HRS Respondents who reside in nursing homes are excluded. If the HRS Respondent lives in a nursing home at the time of the interview then HwINPOV, HwPOVFAM, HwPOVTHR, HwPOVHHI, and HwINPOVR are all set to a special missing value (.I) to indicate that the Census Bureau definition of poverty does not apply. If one person in a couple lives in a nursing home, they are not counted in determining the family composition, and their income is subtracted

from the total household income. HwNHMLIV summarizes the nursing home residence status of the core HRS household. It is based on RwNHMLIV and SwNHMLIV, documented in the Health section.

HwPOVHHI =

(total household income - food stamps)

+ (Medicare Part B and/or Part D premiums for cases where these had been deducted from Social Security payments)

+ (income of non-core resident family members)

− (income of any core HRS nursing home resident, including earnings, pensions and annuities, SSI, Social Security, unemployment and workers' compensation, government transfer income, household capital income, and all other household income, as well as Medicare Part B and/or Part D premiums for cases where these had been deducted from Social Security payments).

Beginning in Wave 8, individuals are asked if they are enrolled in Medicare Part D. In Waves 9 and 10, individuals are also asked how they pay their premiums. One option for payment of premiums is an automatic deduction from Social Security benefits. Those who report having premiums deducted from their benefits are asked the amount of their monthly deduction. We provide a separate set of poverty variables that take into account this additional information about Medicare Part D premiums in Waves 9 and 10. These include HwINPOVD, HwINPOVRD, and HwPOVHHID.

To address outlying values, we first winsorize the reported Part D premium amounts at the 95^{th} percentile, resulting in a maximum monthly deduction of $132 and $170 for Waves 9 and 10, respectively. Of those reporting an automatic deduction, there are some Respondents who do not report a dollar amount, and for these we impute the monthly deduction using the median deduction ($35 per month and $48 per month for Waves 9 and 10, respectively) among Respondents with a positive deduction amount. There is also a small percentage of Respondents who report $0 for the amount deducted, and for these we (a) leave the amount deducted at $0, and (b) include them in the pool of Respondents used to determine the median deduction for the imputation.

For details about the poverty variables included in this file, please see the section titled "Poverty Threshold Definitions and HRS Measures" earlier in this document.

Cross Wave Differences in Original HRS Data

From Wave 3 forward, questions in the Assets and Income section of the survey ask whether each household resident 16 years of age or older works, and if so, how much income was earned in the last calendar year (LCY):

> During ([LCY]), did ([Person Name]) do any work for pay?
>
> About how much money did ([Person Name]) earn from all jobs in ([LCY]), before taxes and other deductions?

There is also a question about total non-job income of all resident family members:

> Not including job income, about how much in total did other members of your family living (here/there) receive in ([LCY]) from Social Security, pensions, welfare, interest, gifts, or anything else, (before taxes and other deductions)?

Both questions collect a continuous value and, if missing, unfolding bracket values. In Wave 3, the qualifier "before taxes and other deductions" is not present.

In Waves 1 and 2H, the questions about earned income and total non-job income are similar to those for Wave 3 forward, and like Wave 3, the qualifier "before taxes and other deductions" is not present. In Wave 1, unfolding bracket questions are not asked. However, the question about whether the household member did any work for pay is different:

> During ([LCY]), did ([Person Name]) have a full-time or part-time job–not counting work around the house? (Was that full or part-time?)

In Wave 2A, the questions about earned income and total non-job income are slightly different than those in other waves:

> Is ([Person Name]) working 30 hours or more per week, under 30 hours, or not at all?

About how much money did ([Person Name]) earn from all (his/her) jobs in (1992/1993)? PER[45]

2.WEEK

3.MONTH

4.QUARTER

5.6 MONTHS

6.YEAR

7.OTHER (SPECIFY)

About how much total income did others in your household receive in (1992/1993) from Social Security, pensions, welfare, interest, gifts, jobs[46], or anything else? Do not include your own (and your (husband's/wife's/partner's)) income in this answer.

HRS Variables Used

```
HRS 1992:
    V16307          N55:1ST_REL:HAVE_JOB:IND
    V16308          N56:1ST_REL:AMT_EARN:IND
    V16312          N55:2ND_REL:HAVE_JOB:IND
    V16313          N56:2ND_REL:AMT_EARN:IND
    V16317          N55:3RD_REL:HAVE_JOB:IND
    V16318          N56:3RD_REL:AMT_EARN:IND
    V16322          N55:4TH_REL:HAVE_JOB:IND
    V16323          N56:4TH_REL:AMT_EARN:IND
    V16327          N55:5TH_REL:HAVE_JOB:IND
    V16328          N56:5TH_REL:AMT_EARN:IND
    V16329          N57:TOT_WELFARE/HH_I:IND
    V6304           N54:HHL:AGE
    V6305           N54:HHL:RELATION TO R
    V6306           N54:HHL:RELATN:EDITED PN
    V6307           N55:HHL:WRK 91:FULL/:IMP
    V6308           N56:HHL:WRK 91: AMT :IMP
    V6309           N54:HHL:AGE
    V6310           N54:HHL:RELATION TO R
    V6311           N54:HHL:RELATN:EDITED PN
    V6312           N55:HHL:WRK 91:FULL/:IMP
    V6313           N56:HHL:WRK 91: AMT :IMP
    V6314           N54:HHL:AGE
    V6315           N54:HHL:RELATION TO R
    V6316           N54:HHL:RELATN:EDITED PN
    V6317           N55:HHL:WRK 91:FULL/:IMP
    V6318           N56:HHL:WRK 91: AMT :IMP
    V6319           N54:HHL:AGE
    V6320           N54:HHL:RELATION TO R
    V6321           N54:HHL:RELATN:EDITED PN
    V6322           N55:HHL:WRK 91:FULL/:IMP
    V6323           N56:HHL:WRK 91: AMT :IMP
    V6324           N54:HHL:AGE
    V6325           N54:HHL:RELATION TO R
    V6326           N54:HHL:RELATN:EDITED PN
    V6327           N55:HHL:WRK 91:FULL/:IMP
    V6328           N56:HHL:WRK 91: AMT :IMP
    V6329           N57:HHL: AMT RCV 91::IMP
    V830201         PERSON NUMBER       :HHL /H01
    V830202         PERSON NUMBER       :HHL /H02
```

[45] We use the "per" question to convert the reported amounts to LCY, since this is the time period reflected in the unfolding bracket questions.

[46] In all other waves, "jobs" is not specified in the question text. The fact that it is mentioned here suggests that job income could be double-reported. We will examine this issue in a future version.

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V830203         PERSON NUMBER       :HHL /H03
V830204         PERSON NUMBER       :HHL /H04
V830205         PERSON NUMBER       :HHL /H05
V830206         PERSON NUMBER       :HHL /H06
V830207         PERSON NUMBER       :HHL /H07
V830208         PERSON NUMBER       :HHL /H08
V830209         PERSON NUMBER       :HHL /H09
V830210         PERSON NUMBER       :HHL /H10
V830211         PERSON NUMBER       :HHL /H11
V830212         PERSON NUMBER       :HHL /H12
V830213         PERSON NUMBER       :HHL /H13
V830214         PERSON NUMBER       :HHL /H14
V830301         RELATION TO R1 CODE :HHL /H01
V830302         RELATION TO R1 CODE :HHL /H02
V830303         RELATION TO R1 CODE :HHL /H03
V830304         RELATION TO R1 CODE :HHL /H04
V830305         RELATION TO R1 CODE :HHL /H05
V830306         RELATION TO R1 CODE :HHL /H06
V830307         RELATION TO R1 CODE :HHL /H07
V830308         RELATION TO R1 CODE :HHL /H08
V830309         RELATION TO R1 CODE :HHL /H09
V830310         RELATION TO R1 CODE :HHL /H10
V830311         RELATION TO R1 CODE :HHL /H11
V830312         RELATION TO R1 CODE :HHL /H12
V830313         RELATION TO R1 CODE :HHL /H13
V830314         RELATION TO R1 CODE :HHL /H14
V830401         SEX                 :HHL /H01
V830402         SEX                 :HHL /H02
V830403         SEX                 :HHL /H03
V830404         SEX                 :HHL /H04
V830405         SEX                 :HHL /H05
V830406         SEX                 :HHL /H06
V830407         SEX                 :HHL /H07
V830408         SEX                 :HHL /H08
V830409         SEX                 :HHL /H09
V830410         SEX                 :HHL /H10
V830411         SEX                 :HHL /H11
V830412         SEX                 :HHL /H12
V830413         SEX                 :HHL /H13
V830414         SEX                 :HHL /H14
V830501         AGE                 :HHL /H01
V830502         AGE                 :HHL /H02
V830503         AGE                 :HHL /H03
V830504         AGE                 :HHL /H04
V830505         AGE                 :HHL /H05
V830506         AGE                 :HHL /H06
V830507         AGE                 :HHL /H07
V830508         AGE                 :HHL /H08
V830509         AGE                 :HHL /H09
V830510         AGE                 :HHL /H10
V830511         AGE                 :HHL /H11
V830512         AGE                 :HHL /H12
V830513         AGE                 :HHL /H13
V830514         AGE                 :HHL /H14
V830601         MARRIED PAIR FLAG   :HHL /H01
V830602         MARRIED PAIR FLAG   :HHL /H02
V830603         MARRIED PAIR FLAG   :HHL /H03
V830604         MARRIED PAIR FLAG   :HHL /H04
V830605         MARRIED PAIR FLAG   :HHL /H05
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    V830606         MARRIED PAIR FLAG   :HHL /H06
    V830607         MARRIED PAIR FLAG   :HHL /H07
    V830608         MARRIED PAIR FLAG   :HHL /H08
    V830609         MARRIED PAIR FLAG   :HHL /H09
    V830610         MARRIED PAIR FLAG   :HHL /H10
    V830611         MARRIED PAIR FLAG   :HHL /H11
    V830612         MARRIED PAIR FLAG   :HHL /H12
    V830613         MARRIED PAIR FLAG   :HHL /H13
    V830614         MARRIED PAIR FLAG   :HHL /H14
    V831001         YEAR OF BIRTH       :HHL /H01
    V831002         YEAR OF BIRTH       :HHL /H02
    V831003         YEAR OF BIRTH       :HHL /H03
    V831004         YEAR OF BIRTH       :HHL /H04
    V831005         YEAR OF BIRTH       :HHL /H05
    V831006         YEAR OF BIRTH       :HHL /H06
    V831007         YEAR OF BIRTH       :HHL /H07
    V831008         YEAR OF BIRTH       :HHL /H08
    V831009         YEAR OF BIRTH       :HHL /H09
    V831010         YEAR OF BIRTH       :HHL /H10
    V831011         YEAR OF BIRTH       :HHL /H11
    V831012         YEAR OF BIRTH       :HHL /H12
    V831013         YEAR OF BIRTH       :HHL /H13
    V831014         YEAR OF BIRTH       :HHL /H14
    VR6004          N41C:SS:MO BENEFTS BGAN / Joint
    VR6005          N41C:SS:YR BENEFTS BGAN / Joint
    VR6013          N42B:SS:MO BENFT BGAN/ Self
    VR6014          N42B:SS:YR BENFT BGAN/ Self
    VR6602          R2:R:FEDRL HLTH INS PRGM/ Self
    VR6603          R2aA:R:GOVT:MEDICARE/ Self
    VR6604          R2aB:R:GOVT:MEDICAID/ Self
AHEAD 1993:
    B1681           J54. TOT INC OTHER HH MEMBERS 1992/3
    B1681C          CATEG: J54. TOT INC OTHER HH MEMBERS
    B1838           R2. R MEDICAID: COVERED
    B417            D5c. HHM SEX
    B418            D5d. HHM REL TO FAMILY R
    B419            D5e. HHM MARITAL STATUS
    B421            D6. HHM REL TO SPOUSE
    B422YR          HHMEM YEAR BORN
    B427            D12b. HHM YEAR MOVE
    B443            D20d. NRCHILD REL TO FAMILY R
    B445            D21. NRCHILD REL TO SPOUSE
    B447YR          D22-D23. NRCHILD YEAR BORN
    B459YR          NRCHILD SP YEAR BORN
    B480            D10. HHM WORKING NOW
    B481            D11. HHM $ EARN
    B481C           CATEG: D11. HHM $ EARN
    B482            D11a. HHM $ EARN PERIOD
    B487YR          HHM SP YEAR BORN
    B488            D17. HHM SP WORKING NOW
    B489            D18. HHM SP $ EARN
    B489C           CATEG: D18. HHM SP $ EARN
    B490            D18a. HHM SP $ EARN PERIOD
    B755            E31b. R COVERED BY MEDICARE PART B
    BR1381          J2d|3c.SS:START MONTH/Self
    BR1382          J2e|3d.SS:START YEAR/Self
    HHMEMADD        HOUSEHOLD MEMBER ADDED BY STAFF
    MARSTATP        MARITAL STATUS CHILD/OTHR HHM
    NRCHDADD        NON RESIDENT CHILD ADDED BY STAFF
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    SEXP            SEX CHILD/OTHR HHM
    WORKP           WORK STATUS CHILD/OTHR HHM
    WORKSPP         WORK SPOUSE OF CHILD/OTHR HHM
HRS 1994:
    W16375          P1. N35. Imputation flag
    W16376          P1. N36. Imputation flag
    W16382          P2. N35. Imputation flag
    W16383          P2. N36. Imputation flag
    W16389          P3. N35. Imputation flag
    W16390          P3. N36. Imputation flag
    W16396          P4. N35. Imputation flag
    W16397          P4. N36. Imputation flag
    W16403          P5. N35. Imputation flag
    W16404          P5. N36. Imputation flag
    W16410          P6. N35. Imputation flag
    W16411          P6. N36. Imputation flag
    W16418          P7. N36. Imputation flag
    W16501          N37. Imputation flag
    W2RESP          HRS Wave 2 Status Flag
    W6374           P1. N34.PERSON IN HH & >
    W6375           P1. N35.FULL/PART-TIME J
    W6376           P1. N36.1993 INCOME
    W6377           N36a1(01). Brackets
    W6381           P2. N34.PERSON IN HH & >
    W6382           P2. N35.FULL/PART-TIME J
    W6383           P2. N36.1993 INCOME
    W6384           N36a1(02). Brackets
    W6388           P3. N34.PERSON IN HH & >
    W6389           P3. N35.FULL/PART-TIME J
    W6390           P3. N36.1993 INCOME
    W6391           N36a1(03). Brackets
    W6395           P4. N34.PERSON IN HH & >
    W6396           P4. N35.FULL/PART-TIME J
    W6397           P4. N36.1993 INCOME
    W6398           N36a1(04). Brackets
    W6402           P5. N34.PERSON IN HH & >
    W6403           P5. N35.FULL/PART-TIME J
    W6404           P5. N36.1993 INCOME
    W6405           N36a1(05). Brackets
    W6409           P6. N34.PERSON IN HH & >
    W6410           P6. N35.FULL/PART-TIME J
    W6411           P6. N36.1993 INCOME
    W6412           N36a1(06). Brackets
    W6416           P7. N34.PERSON IN HH & >
    W6417           P7. N35.FULL/PART-TIME J
    W6418           P7. N36.1993 INCOME
    W6419           N36a1(07). Brackets
    W6423           P8. N34.PERSON IN HH & >
    W6424           P8. N35.FULL/PART-TIME J
    W6425           P8. N36.1993 INCOME
    W6426           N36a1(08). Brackets
    W6430           P9. N34.PERSON IN HH & >
    W6431           P9. N35.FULL/PART-TIME J
    W6432           P9. N36.1993 INCOME
    W6433           N36a1(09). Brackets
    W6501           N37.AMT HH MEMBERS RECD
    W6502           N37. Brackets
    W6700           R1.COVERED FED GOVT HEAL
    W6701           R1a.WHICH PROGRAM
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    W6702           R1a.WHICH PROGRAM
    W6703           R1a.WHICH PROGRAM
    W6704           R1a.WHICH PROGRAM
    WR6261          N23e.START RECEIVING SS-/ Self
    WR6262          N23e.START RECEIVING SS-/ Self
AHEAD 1995:
    D10             HHMEM REL TO IDFM
    D11             HHMEM REL TO IDNFM
    D12             HHMEM MAR STAT (CHILD)
    D13             HHMEM SP STATUS
    D17             HHMEM W1 YR BORN
    D18             HHMEM W1 SPIN YR BORN
    D19             HHMEM W1 SP RES/NR STAT
    D3              HHMEM RES/NR STAT
    D4611           J67X1.HHMEM WORKING LCY
    D4612           J67B2.$ HHMEM EARNED LCY
    D4613           J67X2A.DK-1
    D4614           J67X2B.DK-2
    D4615           J67X2C.DK-3
    D4616           J67X2D.DK-4
    D4617           J67X1.SP HHMEM WORKING LCY
    D4618           J67B2.SP $ HHMEM EARNED LCY
    D4619           J67X2A.SP DK-1
    D4620           J67X2B.SP DK-2
    D4621           J67X2C.SP DK-3
    D4622           J67X2D.SP DK-4
    D4624           J67.AMT HU MEMBERS INCOME
    D4625           J67A.>1K
    D4626           J67B.>5K
    D4627           J67C.>25K
    D4629           J67D.>2K
    D492            CS48A.GRID YEAR
    D5145           R1A.R MEDICARE
    D5155           R2.MEDICAID
    D5158           R4. CURRENTLY ON MEDICAID
    D6              HHMEM STATUS W2
    D9              HHMEM SEX
    DR3883          J4a/7a.MONTH START SOC SEC / R
    DR3884          J4a/7a.YEAR START SOC SEC / R
HRS 1996:
    E10             HHMEM REL TO FAMILY R
    E11             HHMEN REL TO NONFAM R
    E12             HHMEM MAR STAT
    E13             HHMEM S/P STATUS
    E17             HHMEM PREV WAVE R YEAR BORN
    E18             HHMEM PREV WAVE S/P YEAR BORN
    E19             HHMEM PREV WAVE S/P RES/NR STATUS
    E3              HMEM RES/NR STAT
    E4612           J269.HHMEM WORKING LCY
    E4613           J270.$ HHMEM EARNED LCY
    E4614           J270A.$ HHMEM EARNED LCY DK-5K
    E4615           J270B.$ HHMEM EARNED LCY DK-25K
    E4616           J270C.$ HHMEM EARNED LCY DK-50K
    E4617           J270D.$ HHMEM EARNED LCY DK-2K
    E4618           J271.SP HHMEM WORKING LCY
    E4619           J272.SP $ HHMEM EARNED LCY
    E4620           J272A.SP $ HHMEM EARNED LCY DK-5K
    E4621           J272B.SP $ HHMEM EARNED LCY DK-25K
    E4622           J272C.SP $ HHMEM EARNED LCY DK-50K
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    E4623           J272D.SP $ HHMEM EARNED LCY DK-2K
    E4625           J274.AMT HU MEMBERS INCOME
    E4626           J274A.$ HU MEMBERS INC>10K
    E4627           J274B.$ HU MEMBERS INC>20K
    E4630           J274D.$ HU MEMBERS INC>2K
    E492            CS48A.GRID YEAR
    E5134           R2.MEDICARE PART B COVERAGE
    E5135           R4.MEDICAID SINCE PREV WAVE?
    E5136           R5.CURRENTLY COVERED BY MEDICAID
    E6              UPDATED HHMEM STATUS
    E9              UPDATED HHMEM SEX
HRS 1998:
    F10             HHMEM MEM SEX
    F11A            HHMEM REL TO IDFM - UPDATED - CORRECTED
    F12             HHMEM REL TO IDNFM - UPDATED
    F13             HHMEM MARITAL(CHILD)
    F14             HHMEM SP STATUS
    F16             HHMEM MEM YR BORN - UPDATED
    F17             HHMEM SP YR BORN - UPDATED
    F18             HHMEM SP RES/NR STAT
    F5              HHMEM MEMBER RES/NR STAT
    F5372           J269. HHMEM WORKING LCY
    F5373           J270. AMOUNT HHMEM EARNED LCY
    F5374           J270A. DK-5K
    F5375           J270B. DK-25K
    F5376           J270C. DK-50K
    F5377           J270D. DK-2K
    F5378           J271. SP HHMEM WORKING LCY
    F5379           J272. SP AMOUNT HHMEM EARNED LCY
    F5380           J272A. SP DK-5K
    F5381           J272B. SP DK-25K
    F5383           J272D. SP DK-2K
    F5385           J274.AMT HU MEMBERS INCOME
    F5386           J274A.>10K
    F5387           J274B.>20K
    F5388           J274C.>50K
    F5390           J274D.>2K
    F5867           R2.MEDICARE PART B COVERAGE
    F5868           R4.MEDICAID SINCE PREV WAVE?
    F5869           R5.CURRENTLY COVERED BY MEDICAID
    F7              HHMEM STATUS
    F793            CS48A.GRID YEAR
HRS 2000:
    G10             HHMEM MEM SEX - UPDATED
    G11             HHMEM REL TO IDFM - UPDATED
    G12             HHMEM REL TO IDNFM - UPDATED
    G13             HHMEM MARITAL(CHILD) - UPDATED
    G14             HHMEM SP STATUS - UPDATED
    G16             HHMEM MEM YR BORN - UPDATED
    G17             HHMEM SP YR BORN - UPDATED
    G18             HHMEM SP RES/NR STAT
    G5              HHMEM MEMBER RES/NR STAT
    G5759           J269. HHMEM WORKING LCY
    G5760           J270. AMOUNT HHMEM EARNED LCY
    G5761           J270A. DK-5K
    G5762           J270B. DK-25K
    G5763           J270C. DK-50K
    G5764           J270D. DK-2K
    G5765           J271. SP HHMEM WORKING LCY
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    G5766           J272. SP AMOUNT HHMEM EARNED LCY
    G5767           J272A. SP DK-5K
    G5768           J272B. SP DK-25K
    G5769           J272C. SP DK-50K
    G5770           J272D. SP DK-2K
    G5772           J274.AMT HU MEMBERS INCOME
    G5773           J274A.>10K
    G5774           J274B.>20K
    G5775           J274C.>50K
    G5777           J274D.>2K
    G6240           R2.MEDICARE PART B COVERAGE
    G6241           R4.MEDICAID SINCE PREV WAVE?
    G6242           R5.CURRENTLY COVERED BY MEDICAID
    G7              HHMEM STATUS - UPDATED
    G870            CS48A.GRID YEAR
HRS 2002:
    HQ431_13        HHMEM PERSON NUMBER  -12
    HQ432_13        HHMEM WRKG LCY -12
    HQ433_13        HHMEM EARNED AMOUNT - LCY -12
    HQ434_13        HHMEM EARNED AMT - MIN -12
    HQ435_13        HHMEM EARNED AMT - MAX -12
    HQ436_13        HHMEM EARNED AMT - RESULT 12
HRS 2006:
    KQ431_13        HHMEM PERSON NUMBER  -13
    KQ432_13        HHMEM WRKG LCY -13
    KQ433_13        $ HHMEM EARNED LCY -13
    KQ434_13        AMT HHMEM EARNED LCY - MIN -13
    KQ435_13        AMT HHMEM EARNED LCY - MAX -13
    KQ436_13        AMT HHMEM EARNED LCY - RESULT -13
HRS 2002-2008:
    xZ057_MC        PREV WAVE RESIDENCY STATUS
HRS 2002-2012:
    xQ431_11        HHMEM PERSON NUMBER  -11
    xQ431_12        HHMEM PERSON NUMBER  -12
    xQ432_11        HHMEM WRKG LCY -11
    xQ432_12        HHMEM WRKG LCY -12
    xQ433_11        HHMEM EARNED AMOUNT - LCY -11
    xQ433_12        HHMEM EARNED AMOUNT - LCY -12
    xQ434_11        HHMEM EARNED AMT - MIN -11
    xQ434_12        HHMEM EARNED AMT - MIN -12
    xQ435_11        HHMEM EARNED AMT - MAX -11
    xQ435_12        HHMEM EARNED AMT - MAX -12
    xQ436_11        HHMEM EARNED AMT - RESULT -11
    xQ436_12        HHMEM EARNED AMT - RESULT 12
HRS 2002-2016:
    xQ431_10        HHMEM PERSON NUMBER  -10
    xQ432_10        HHMEM WRKG LCY -10
    xQ433_10        HHMEM EARNED AMOUNT - LCY -10
    xQ434_10        HHMEM EARNED AMT - MIN -10
    xQ435_10        HHMEM EARNED AMT - MAX -10
    xQ436_10        HHMEM EARNED AMT - RESULT -10
HRS 2002-2022:
    xN004           MEDICARE PART B COVERAGE
    xN005           MEDICAID COVERAGE SINCE PREV WAVE
    xQ431_1         HHMEM PERSON NUMBER  -1
    xQ431_2         HHMEM PERSON NUMBER  -2
    xQ431_3         HHMEM PERSON NUMBER  -3
    xQ431_4         HHMEM PERSON NUMBER  -4
    xQ431_5         HHMEM PERSON NUMBER  -5
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xQ431_6	HHMEM PERSON NUMBER -6
xQ431_7	HHMEM PERSON NUMBER -7
xQ431_8	HHMEM PERSON NUMBER -8
xQ431_9	HHMEM PERSON NUMBER -9
xQ432_1	HHMEM WRKG LCY -1
xQ432_2	HHMEM WRKG LCY -2
xQ432_3	HHMEM WRKG LCY -3
xQ432_4	HHMEM WRKG LCY -4
xQ432_5	HHMEM WRKG LCY -5
xQ432_6	HHMEM WRKG LCY -6
xQ432_7	HHMEM WRKG LCY -7
xQ432_8	HHMEM WRKG LCY -8
xQ432_9	HHMEM WRKG LCY -9
xQ433_1	HHMEM EARNED AMOUNT - LCY -1
xQ433_2	HHMEM EARNED AMOUNT - LCY -2
xQ433_3	HHMEM EARNED AMOUNT - LCY -3
xQ433_4	HHMEM EARNED AMOUNT - LCY -4
xQ433_5	HHMEM EARNED AMOUNT - LCY -5
xQ433_6	HHMEM EARNED AMOUNT - LCY -6
xQ433_7	HHMEM EARNED AMOUNT - LCY -7
xQ433_8	HHMEM EARNED AMOUNT - LCY -8
xQ433_9	HHMEM EARNED AMOUNT - LCY -9
xQ434_1	HHMEM EARNED AMT - MIN -1
xQ434_2	HHMEM EARNED AMT - MIN -2
xQ434_3	HHMEM EARNED AMT - MIN -3
xQ434_4	HHMEM EARNED AMT - MIN -4
xQ434_5	HHMEM EARNED AMT - MIN -5
xQ434_6	HHMEM EARNED AMT - MIN -6
xQ434_7	HHMEM EARNED AMT - MIN -7
xQ434_8	HHMEM EARNED AMT - MIN -8
xQ434_9	HHMEM EARNED AMT - MIN -9
xQ435_1	HHMEM EARNED AMT - MAX -1
xQ435_2	HHMEM EARNED AMT - MAX -2
xQ435_3	HHMEM EARNED AMT - MAX -3
xQ435_4	HHMEM EARNED AMT - MAX -4
xQ435_5	HHMEM EARNED AMT - MAX -5
xQ435_6	HHMEM EARNED AMT - MAX -6
xQ435_7	HHMEM EARNED AMT - MAX -7
xQ435_8	HHMEM EARNED AMT - MAX -8
xQ435_9	HHMEM EARNED AMT - MAX -9
xQ436_1	HHMEM EARNED AMT - RESULT -1
xQ436_2	HHMEM EARNED AMT - RESULT -2
xQ436_3	HHMEM EARNED AMT - RESULT -3
xQ436_4	HHMEM EARNED AMT - RESULT -4
xQ436_5	HHMEM EARNED AMT - RESULT -5
xQ436_6	HHMEM EARNED AMT - RESULT -6
xQ436_7	HHMEM EARNED AMT - RESULT -7
xQ436_8	HHMEM EARNED AMT - RESULT -8
xQ436_9	HHMEM EARNED AMT - RESULT -9
xQ437	HHMEM NON JOB INCOME RECD AMOUNT
xQ438	HHMEM NON JOB INC AMT - MIN
xQ439	HHMEM NON JOB INC AMT - MAX
xQ440	HHMEM NON JOB INC AMT - RESULT
xX056_MC	RESIDENCY STATUS-UPDATED
xX060_MC	SEX OF INDIVIDUAL-UPDATED
xX061_MC	RELATIONSHIP TO R-UPDATED
xX063_MC	RELATIONSHIP HHM TO SP - UPDATED
xX065_MC	COUPLENESS STATUS HHM - UPDATED
xX067_MC	YEAR BORN-UPDATED

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    xX069_MC        RELATION HHM TO HHM - UPDATED
    xX073_MC        YEAR HHM MOVED IN/OUT/DIED-UPDATED
HRS 2008-2010:
    xN423           HOW PAY MEDICARE PREMIUMS
    xN424           SS DEDUCTION MONTHLY PREMIUMS
HRS 2010-2012:
    xX057_MC        PREV WAVE RESIDENCY STATUS
```

Section J: Social Security

Receives Social Security in any wave

Wave	Variable	Label	Type
1	RASSRECV	RASSRECV: R Receives SocSec	Categ
1	SASSRECV	SASSRECV: Any Spouse Receives SocSec	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RASSRECV	45165	0.71	0.45	0.0	1.0
SASSRECV	33352	0.64	0.48	0.0	1.0

Categorical Variable Codes

RASSRECV: R Receives SocSec

Value	
0.No	13034
1.Yes	32131

SASSRECV: Any Spouse Receives SocSec

Value	
.U=Unmarried	11813
0.No	12059
1.Yes	21293

How Constructed

RASSRECV is derived by looking at all waves of data. If the Respondent receives Social Security (OASDI) at any wave, RASSRECV is set to "yes" (=1).

SASSRECV is derived by looking at all waves of data. If any of the Respondent's spouses receives Social Security at any wave, SASSRECV is set to "yes" (=1). If the Respondent is not in a couple household in any wave and never reports a spouse receiving Social Security, SASSRECV is set to .U for unmarried.

Through Wave 5, Social Security income receipt is taken from a variable in the Assets and Income section that identifies who receives this type of income: Financial Respondent only, Financial Respondent's spouse only, or both. If both the Financial Respondent and the Financial Respondent's spouse receive Social Security income, then both RASSRECV and SASSRECV are set to yes. If the Respondent is the Financial Respondent, then a response indicating "Financial Respondent only" sets RASSRECV to yes and a response

indicating "Financial Respondent's spouse only" sets SASSRECV to yes. If the Respondent is the Financial Respondent's spouse, then a response indicating "Financial Respondent only" sets SASSRECV to yes, and a response indicating "Financial Respondent's spouse only" sets RASSRECV to yes.

From Wave 6 onward, all Respondents are asked whether they receive Social Security in the Employment section. In addition, the Financial Respondent is asked if their spouse receives Social Security income in the Assets and Income section. To derive SASSRECV, the self-report of the Financial Respondent's spouse is used first, but if it is missing, or if the spouse did not respond, the Financial Respondent's report from the Assets and Income section is used.

Cross Wave Differences in Original HRS Data

The Financial Respondent (FinR) answers all questions in the Assets and Income section for the entire household. Through Wave 5, the Financial Respondent is asked if anyone in the household receives Social Security income, and if so, who (Financial Respondent only, Financial Respondent's spouse only, or both).

In Wave 1 and 2A, the raw data provide one variable that combines the answers to these two questions. In Wave 3A, the question is asked separately for the Financial Respondent and spouse. In Waves 2H, 3H, 4, and 5, there are two variables to capture this information.

From Wave 6 onward, all Respondents are asked in the Employment section whether they receive Social Security income. In the Assets and Income section, the Financial Respondent's response is carried from the Employment section, and the Financial Respondent is then asked if the spouse receives any Social Security income. There are thus two possible sources for whether the spouse of the Financial Respondent receives Social Security income: the spouse's own response in the Employment section and the Financial Respondent's report in the Assets and Income section.

HRS Variables Used

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HRS 1992:
    VR6000          VR6000: Who receives SocSec/ Self
AHEAD 1993:
    BR1376          J1.SS:RECEIVE ANY/Self
HRS 1994:
    W6253           N23.SOCIAL SECURITY?
    W6254           N23a.WHO RECEIVED SOCIAL
AHEAD 1995:
    DP3875          J1/5.RECEIVE SOC SEC / SP-P
    DR3875          J1/5.RECEIVE SOC SEC / R
HRS 1996:
    E3983           J45.SOC SEC INCOME
    ER3984          J46.WHO RECEIVE SOC SEC INCOME/Self
HRS 1998:
    F4743           J45.SOC SEC INCOME
    FR4744          J46.WHO RECEIVE SOC SEC INCOME/Self
HRS 2000:
    G5182           J45.SOC SEC INCOME
    GR5185          J46.WHO RECEIVE SOC SEC INCOME/Self
HRS 2002:
    HQR106          WHO RECEIVED INC FROM SSI LAST MONTH/Sel
HRS 2002-2014:
    xJ478           CURRENTLY RECV SOC SEC INCOME
HRS 2004-2022:
    xQ106           WHO RECEIVED INC FROM SSI LAST MONTH
HRS 2016-2022:
    xJ3478          CURRENTLY RECV SOC SEC INCOME
Tracker:
    xFINR               1992-2022 WHETHER FINANCIAL RESPONDENT
```

Age when started to receive Social Security

Wave	Variable	Label	Type
1	RASSAGEM	RASSAGEM: Age/months R Start Rec. SocSec	Cont
1	SASSAGEM	SASSAGEM: Age/mnths Sp Start Rec. SocSec	Cont
1	RASSAGEB	RASSAGEB: Age R Start Rec. SocSec	Cont
1	SASSAGEB	SASSAGEB: Age Sp Start Rec. SocSec	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RASSAGEM	21672	725.68	87.95	1.0	1112.0
SASSAGEM	14137	736.33	75.06	1.0	1081.0
RASSAGEB	21672	60.49	7.33	0.1	92.7
SASSAGEB	14137	61.37	6.26	0.1	90.1

How Constructed

RASSAGEB is the age in years and RASSAGEM is the age in months when the Respondent starts to receive Social Security (OASDI) income.

SASSAGEB is the age in years and SASSAGEM is the age in months when the Respondent's spouse or partner starts to receive Social Security income. If the Respondent has more than one spouse, then we look at the first time any spouse is reported to receive Social Security income. SASSAGEB is derived as the age of this spouse at the starting month given at that interview.

If the Respondent is not in a couple household in any wave, and never reports a spouse receiving Social Security income, SASSAGEB and SASSAGEM are both set to SAS special missing value .U for unmarried.

The month the Respondent or spouse starts to receive Social Security income is taken from the first interview at which they are reported to receive it. The Respondent or spouse's age is derived from this month and the appropriate birth date. The age in months is first calculated, and the age in years is calculated as the age in months divided by 12 and rounded to 1 decimal place.

If the year when Social Security is first received is given but the month is missing, then the month used to calculate age is the month after the individual's birthday, except for those born in December, in which case December is used.

In Waves 2A and 3A, there is no specific month or year recorded if the Respondent or their spouse first received Social Security more than two years prior. Further, there are cases where the two-year question is also skipped. For these cases, if a start month is given at a later wave and provides a date that precedes the W2A interview or the two years prior if the Respondent started receiving more than two years previously, then the given start month is used in deriving this variable. Otherwise, the start month and year for cases where receipt began more than two years before are set to .T. For cases where the two-year question is missing, the start month and year are set to .M.

If the Respondent has not yet started to receive Social Security income, then RASSAGEM and RASSAGEB are both set to

.S.

Social Security income measures are reported by the Financial Respondent for the household in all waves. The Financial Respondent reports the month Social Security income starts for both themselves and their spouse or partner. The month when the Respondent starts receiving Social Security is that of the Financial Respondent, and the month when the spouse started is that of the Financial Respondent's spouse. If the Respondent is the spouse of the Financial Respondent, then the Financial Respondent-reported Respondent and spouse measures are swapped. That is, if the Respondent is the Financial Respondent's spouse, then the Financial Respondent-reported spouse start month is assigned as the Respondent's start month.

Cross Wave Differences in Original HRS Data

The Financial Respondent (FinR) answers all income questions for the household. If the Financial Respondent or the Financial Respondent's spouse or partner receives Social Security income, then a question asks when it began for each individual.

In Waves 1 and 2H, the month when Social Security income was first received is asked for everyone who receives it. In Waves 2A and 3A, if the Respondent or their spouse started to receive Social Security more than two years ago, the questions pertaining to month and year started are skipped. Note that, since most people in the AHEAD cohort are age 70 or older at Wave 2A, the majority began receiving Social Security more than two years prior to the interview, and thus are not asked the month when it began. Furthermore, for unknown reasons in Wave 2A, the majority of cases skip the question about whether the Financial Respondent's Social Security started more than two years ago and hence also skip the question on the specific starting date. The two-year question for Financial Respondent's spouse does not appear to have this skip problem.

In Wave 3H, the month Social Security income was first received is not asked if a preloaded variable indicates that the individual reported receiving Social Security at a previous wave. If the preload indicates no report of receiving Social Security income at a previous wave, then the year when it started is asked. If the year is 1994 or later, then the month is asked. If the year is before 1994, then the month is not asked. From Wave 4 forward, the questions are structured the same as in Wave 3H, except the year cut-offs for asking month are two years prior, e.g., 1996 in Wave 4, 1998 in Wave 5, and 2000 in Wave 6.

HRS Variables Used

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HRS 1992:
    VR6004          N41C:SS:MO BENEFTS BGAN / Joint
    VR6013          N42B:SS:MO BENFT BGAN/ Self
    VR6014          N42B:SS:YR BENFT BGAN/ Self
AHEAD 1993:
    BP1380          J2c|3b.SS:START >2YRS AGO/Sp-P
    BP1381          J2d|3c.SS:START MONTH/Sp-P
    BP1382          J2e|3d.SS:START YEAR/Sp-P
    BR1380          J2c|3b.SS:START >2YRS AGO/Self
    BR1381          J2d|3c.SS:START MONTH/Self
    BR1382          J2e|3d.SS:START YEAR/Self
HRS 1994:
    W6261           N23e.START RECEIVING SS-
    W6262           N23e.START RECEIVING SS-
    W6269           N23h.SP-START RECEIVING
    W6270           N23h.SP-START RECEIVING
AHEAD 1995:
    DP3882          J4/7. START SS IN LAST TWO YEARS / SP-P
    DP3883          J4a/7a.MONTH START SOC SEC / SP-P
    DP3884          J4a/7a.YEAR START SOC SEC / SP-P
    DR3882          J4/7. START SS IN LAST TWO YEARS / R
    DR3883          J4a/7a.MONTH START SOC SEC / R
    DR3884          J4a/7a.YEAR START SOC SEC / R
HRS 1996:
    EP3990          J48.R RECV SS BENEFITS START YEAR/Sp-P
    EP3991          J49.SS BENEFITS START MONTH/Sp-P
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    ER3990          J48.R RECV SS BENEFITS START YEAR/Self
    ER3991          J49.SS BENEFITS START MONTH/Self
HRS 1998:
    FP4750          J48. SS BENEFITS START YEAR/Sp-P
    FP4751          J49. SS BENEFITS START MONTH/Sp-P
    FR4750          J48. SS BENEFITS START YEAR/Self
    FR4751          J49. SS BENEFITS START MONTH/Self
HRS 2000:
    GP5193          J48. SS BENEFITS START YEAR/Sp-P
    GP5194          J49. SS BENEFITS START MONTH/Sp-P
    GR5193          J48. SS BENEFITS START YEAR/Self
    GR5194          J49. SS BENEFITS START MONTH/Self
HRS 2002:
    HQP089          R YEAR STARTED TO RECEIVE SS BENEFITS/Sp
    HQP090          R MONTH STARTED TO RECEIVE SS BENEFITS/S
    HQR089          R YEAR STARTED TO RECEIVE SS BENEFITS/Se
    HQR090          R MONTH STARTED TO RECEIVE SS BENEFITS/S
HRS 2004-2022:
    xQ089           R YEAR STARTED TO RECEIVE SS BENEFITS
    xQ090           R MONTH STARTED TO RECEIVE SS BENEFITS
    xQ095           SP YEAR STARTED TO RECEIVE SS BENEFITS
    xQ096           SP MONTH STARTED TO RECEIVE SS BENEFITS
Tracker:
    xFINR               1992-2022 WHETHER FINANCIAL RESPONDENT
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Change in Social Security Disability Income (SSDI) or Supplemental Security Income (SSI) Status

Wave	Variable	Label	Type
2	R2SSAPP	R2SSAPP:W2 Applied for SSDI/SSI since last wave	Categ
3	R3SSAPP	R3SSAPP:W3 Applied for SSDI/SSI since last wave	Categ
4	R4SSAPP	R4SSAPP:W4 Applied for SSDI/SSI since last wave	Categ
2	S2SSAPP	S2SSAPP:W2 Applied for SSDI/SSI since last wave	Categ
3	S3SSAPP	S3SSAPP:W3 Applied for SSDI/SSI since last wave	Categ
4	S4SSAPP	S4SSAPP:W4 Applied for SSDI/SSI since last wave	Categ
2	R2SSDEN	R2SSDEN:W2 Denied SSDI/SSI since last wave	Categ
3	R3SSDEN	R3SSDEN:W3 Denied SSDI/SSI since last wave	Categ
4	R4SSDEN	R4SSDEN:W4 Denied SSDI/SSI since last wave	Categ
2	S2SSDEN	S2SSDEN:W2 Denied SSDI/SSI since last wave	Categ
3	S3SSDEN	S3SSDEN:W3 Denied SSDI/SSI since last wave	Categ
4	S4SSDEN	S4SSDEN:W4 Denied SSDI/SSI since last wave	Categ
2	R2SSAPL	R2SSAPL:W2 Appealed SSDI/SSI decision since last wave	Categ
3	R3SSAPL	R3SSAPL:W3 Appealed SSDI/SSI decision since last wave	Categ
4	R4SSAPL	R4SSAPL:W4 Appealed SSDI/SSI decision since last wave	Categ
2	S2SSAPL	S2SSAPL:W2 Appealed SSDI/SSI decision since last wave	Categ
3	S3SSAPL	S3SSAPL:W3 Appealed SSDI/SSI decision since last wave	Categ
4	S4SSAPL	S4SSAPL:W4 Appealed SSDI/SSI decision since last wave	Categ
2	R2SSREC	R2SSREC:W2 Started receiving SSDI/SSI since last wave	Categ
3	R3SSREC	R3SSREC:W3 Started receiving SSDI/SSI since last wave	Categ
4	R4SSREC	R4SSREC:W4 Started receiving SSDI/SSI since last wave	Categ
2	S2SSREC	S2SSREC:W2 Started receiving SSDI/SSI since last wave	Categ
3	S3SSREC	S3SSREC:W3 Started receiving SSDI/SSI since last wave	Categ
4	S4SSREC	S4SSREC:W4 Started receiving SSDI/SSI since last wave	Categ
2	R2SSSTP	R2SSSTP:W2 Stopped receiving SSDI/SSI since last wave	Categ
3	R3SSSTP	R3SSSTP:W3 Stopped receiving SSDI/SSI since last wave	Categ
4	R4SSSTP	R4SSSTP:W4 Stopped receiving SSDI/SSI since last wave	Categ
2	S2SSSTP	S2SSSTP:W2 Stopped receiving SSDI/SSI since last wave	Categ
3	S3SSSTP	S3SSSTP:W3 Stopped receiving SSDI/SSI since last wave	Categ
4	S4SSSTP	S4SSSTP:W4 Stopped receiving SSDI/SSI since last wave	Categ
2	R2SSAPPY	R2SSAPPY:W2 Year applied for SSDI/SSI since last wave	Cont
3	R3SSAPPY	R3SSAPPY:W3 Year applied for SSDI/SSI since last wave	Cont
4	R4SSAPPY	R4SSAPPY:W4 Year applied for SSDI/SSI since last wave	Cont
2	S2SSAPPY	S2SSAPPY:W2 Year applied for SSDI/SSI since last wave	Cont
3	S3SSAPPY	S3SSAPPY:W3 Year applied for SSDI/SSI since last wave	Cont
4	S4SSAPPY	S4SSAPPY:W4 Year applied for SSDI/SSI since last wave	Cont
2	R2SSAPLY	R2SSAPLY:W2 Year appealed SSDI/SSI since last wave	Cont
3	R3SSAPLY	R3SSAPLY:W3 Year appealed SSDI/SSI since last wave	Cont
4	R4SSAPLY	R4SSAPLY:W4 Year appealed SSDI/SSI since last wave	Cont
2	S2SSAPLY	S2SSAPLY:W2 Year appealed SSDI/SSI since last wave	Cont
3	S3SSAPLY	S3SSAPLY:W3 Year appealed SSDI/SSI since last wave	Cont
4	S4SSAPLY	S4SSAPLY:W4 Year appealed SSDI/SSI since last wave	Cont
2	R2SSRECY	R2SSRECY:W2 Year started receiving SSDI/SSI since last wave	Cont
3	R3SSRECY	R3SSRECY:W3 Year started receiving SSDI/SSI since last wave	Cont
4	R4SSRECY	R4SSRECY:W4 Year started receiving SSDI/SSI since last wave	Cont
2	S2SSRECY	S2SSRECY:W2 Year started receiving SSDI/SSI since last wave	Cont
3	S3SSRECY	S3SSRECY:W3 Year started receiving SSDI/SSI since last wave	Cont
4	S4SSRECY	S4SSRECY:W4 Year started receiving SSDI/SSI since last wave	Cont
2	R2SSSTPY	R2SSSTPY:W2 Year stopped receiving SSDI/SSI since last wave	Cont
3	R3SSSTPY	R3SSSTPY:W3 Year stopped receiving SSDI/SSI since last wave	Cont

4	R4SSSTPY	R4SSSTPY:W4 Year stopped receiving SSDI/SSI since last wave	Cont
2	S2SSSTPY	S2SSSTPY:W2 Year stopped receiving SSDI/SSI since last wave	Cont
3	S3SSSTPY	S3SSSTPY:W3 Year stopped receiving SSDI/SSI since last wave	Cont
4	S4SSSTPY	S4SSSTPY:W4 Year stopped receiving SSDI/SSI since last wave	Cont
2	R2SSAPPM	R2SSAPPM:W2 Month applied for SSDI/SSI since last wave	Cont
3	R3SSAPPM	R3SSAPPM:W3 Month applied for SSDI/SSI since last wave	Cont
4	R4SSAPPM	R4SSAPPM:W4 Month applied for SSDI/SSI since last wave	Cont
2	S2SSAPPM	S2SSAPPM:W2 Month applied for SSDI/SSI since last wave	Cont
3	S3SSAPPM	S3SSAPPM:W3 Month applied for SSDI/SSI since last wave	Cont
4	S4SSAPPM	S4SSAPPM:W4 Month applied for SSDI/SSI since last wave	Cont
2	R2SSAPLM	R2SSAPLM:W2 Month appealed SSDI/SSI since last wave	Cont
3	R3SSAPLM	R3SSAPLM:W3 Month appealed SSDI/SSI since last wave	Cont
4	R4SSAPLM	R4SSAPLM:W4 Month appealed SSDI/SSI since last wave	Cont
2	S2SSAPLM	S2SSAPLM:W2 Month appealed SSDI/SSI since last wave	Cont
3	S3SSAPLM	S3SSAPLM:W3 Month appealed SSDI/SSI since last wave	Cont
4	S4SSAPLM	S4SSAPLM:W4 Month appealed SSDI/SSI since last wave	Cont
2	R2SSRECM	R2SSRECM:W2 Month started receiving SSDI/SSI since last wave	Cont
3	R3SSRECM	R3SSRECM:W3 Month started receiving SSDI/SSI since last wave	Cont
4	R4SSRECM	R4SSRECM:W4 Month started receiving SSDI/SSI since last wave	Cont
2	S2SSRECM	S2SSRECM:W2 Month started receiving SSDI/SSI since last wave	Cont
3	S3SSRECM	S3SSRECM:W3 Month started receiving SSDI/SSI since last wave	Cont
4	S4SSRECM	S4SSRECM:W4 Month started receiving SSDI/SSI since last wave	Cont
2	R2SSSTPM	R2SSSTPM:W2 Month stopped receiving SSDI/SSI since last wave	Cont
3	R3SSSTPM	R3SSSTPM:W3 Month stopped receiving SSDI/SSI since last wave	Cont
4	R4SSSTPM	R4SSSTPM:W4 Month stopped receiving SSDI/SSI since last wave	Cont
2	S2SSSTPM	S2SSSTPM:W2 Month stopped receiving SSDI/SSI since last wave	Cont
3	S3SSSTPM	S3SSSTPM:W3 Month stopped receiving SSDI/SSI since last wave	Cont
4	S4SSSTPM	S4SSSTPM:W4 Month stopped receiving SSDI/SSI since last wave	Cont
5	R5SDIAPP	R5SDIAPP:W5 Applied for SSDI since last wave	Categ
6	R6SDIAPP	R6SDIAPP:W6 Applied for SSDI since last wave	Categ
7	R7SDIAPP	R7SDIAPP:W7 Applied for SSDI since last wave	Categ
8	R8SDIAPP	R8SDIAPP:W8 Applied for SSDI since last wave	Categ
9	R9SDIAPP	R9SDIAPP:W9 Applied for SSDI since last wave	Categ
10	R10SDIAPP	R10SDIAPP:W10 Applied for SSDI since last wave	Categ
11	R11SDIAPP	R11SDIAPP:W11 Applied for SSDI since last wave	Categ
12	R12SDIAPP	R12SDIAPP:W12 Applied for SSDI since last wave	Categ
13	R13SDIAPP	R13SDIAPP:W13 Applied for SSDI since last wave	Categ
14	R14SDIAPP	R14SDIAPP:W14 Applied for SSDI since last wave	Categ
15	R15SDIAPP	R15SDIAPP:W15 Applied for SSDI since last wave	Categ
16	R16SDIAPP	R16SDIAPP:W16 Applied for SSDI since last wave	Categ
5	S5SDIAPP	S5SDIAPP:W5 Applied for SSDI since last wave	Categ
6	S6SDIAPP	S6SDIAPP:W6 Applied for SSDI since last wave	Categ
7	S7SDIAPP	S7SDIAPP:W7 Applied for SSDI since last wave	Categ
8	S8SDIAPP	S8SDIAPP:W8 Applied for SSDI since last wave	Categ
9	S9SDIAPP	S9SDIAPP:W9 Applied for SSDI since last wave	Categ
10	S10SDIAPP	S10SDIAPP:W10 Applied for SSDI since last wave	Categ
11	S11SDIAPP	S11SDIAPP:W11 Applied for SSDI since last wave	Categ
12	S12SDIAPP	S12SDIAPP:W12 Applied for SSDI since last wave	Categ
13	S13SDIAPP	S13SDIAPP:W13 Applied for SSDI since last wave	Categ
14	S14SDIAPP	S14SDIAPP:W14 Applied for SSDI since last wave	Categ
15	S15SDIAPP	S15SDIAPP:W15 Applied for SSDI since last wave	Categ
16	S16SDIAPP	S16SDIAPP:W16 Applied for SSDI since last wave	Categ
5	R5SDIDEN	R5SDIDEN:W5 Denied SSDI since last wave	Categ
6	R6SDIDEN	R6SDIDEN:W6 Denied SSDI since last wave	Categ
7	R7SDIDEN	R7SDIDEN:W7 Denied SSDI since last wave	Categ
8	R8SDIDEN	R8SDIDEN:W8 Denied SSDI since last wave	Categ
9	R9SDIDEN	R9SDIDEN:W9 Denied SSDI since last wave	Categ
10	R10SDIDEN	R10SDIDEN:W10 Denied SSDI since last wave	Categ
11	R11SDIDEN	R11SDIDEN:W11 Denied SSDI since last wave	Categ
12	R12SDIDEN	R12SDIDEN:W12 Denied SSDI since last wave	Categ

13	R13SDIDEN	R13SDIDEN:W13 Denied SSDI since last wave	Categ
14	R14SDIDEN	R14SDIDEN:W14 Denied SSDI since last wave	Categ
15	R15SDIDEN	R15SDIDEN:W15 Denied SSDI since last wave	Categ
16	R16SDIDEN	R16SDIDEN:W16 Denied SSDI since last wave	Categ
5	S5SDIDEN	S5SDIDEN:W5 Denied SSDI since last wave	Categ
6	S6SDIDEN	S6SDIDEN:W6 Denied SSDI since last wave	Categ
7	S7SDIDEN	S7SDIDEN:W7 Denied SSDI since last wave	Categ
8	S8SDIDEN	S8SDIDEN:W8 Denied SSDI since last wave	Categ
9	S9SDIDEN	S9SDIDEN:W9 Denied SSDI since last wave	Categ
10	S10SDIDEN	S10SDIDEN:W10 Denied SSDI since last wave	Categ
11	S11SDIDEN	S11SDIDEN:W11 Denied SSDI since last wave	Categ
12	S12SDIDEN	S12SDIDEN:W12 Denied SSDI since last wave	Categ
13	S13SDIDEN	S13SDIDEN:W13 Denied SSDI since last wave	Categ
14	S14SDIDEN	S14SDIDEN:W14 Denied SSDI since last wave	Categ
15	S15SDIDEN	S15SDIDEN:W15 Denied SSDI since last wave	Categ
16	S16SDIDEN	S16SDIDEN:W16 Denied SSDI since last wave	Categ
5	R5SDIAPL	R5SDIAPL:W5 Appealed SSDI decision since last wave	Categ
6	R6SDIAPL	R6SDIAPL:W6 Appealed SSDI decision since last wave	Categ
7	R7SDIAPL	R7SDIAPL:W7 Appealed SSDI decision since last wave	Categ
8	R8SDIAPL	R8SDIAPL:W8 Appealed SSDI decision since last wave	Categ
9	R9SDIAPL	R9SDIAPL:W9 Appealed SSDI decision since last wave	Categ
10	R10SDIAPL	R10SDIAPL:W10 Appealed SSDI decision since last wave	Categ
11	R11SDIAPL	R11SDIAPL:W11 Appealed SSDI decision since last wave	Categ
12	R12SDIAPL	R12SDIAPL:W12 Appealed SSDI decision since last wave	Categ
13	R13SDIAPL	R13SDIAPL:W13 Appealed SSDI decision since last wave	Categ
14	R14SDIAPL	R14SDIAPL:W14 Appealed SSDI decision since last wave	Categ
15	R15SDIAPL	R15SDIAPL:W15 Appealed SSDI decision since last wave	Categ
16	R16SDIAPL	R16SDIAPL:W16 Appealed SSDI decision since last wave	Categ
5	S5SDIAPL	S5SDIAPL:W5 Appealed SSDI decision since last wave	Categ
6	S6SDIAPL	S6SDIAPL:W6 Appealed SSDI decision since last wave	Categ
7	S7SDIAPL	S7SDIAPL:W7 Appealed SSDI decision since last wave	Categ
8	S8SDIAPL	S8SDIAPL:W8 Appealed SSDI decision since last wave	Categ
9	S9SDIAPL	S9SDIAPL:W9 Appealed SSDI decision since last wave	Categ
10	S10SDIAPL	S10SDIAPL:W10 Appealed SSDI decision since last wave	Categ
11	S11SDIAPL	S11SDIAPL:W11 Appealed SSDI decision since last wave	Categ
12	S12SDIAPL	S12SDIAPL:W12 Appealed SSDI decision since last wave	Categ
13	S13SDIAPL	S13SDIAPL:W13 Appealed SSDI decision since last wave	Categ
14	S14SDIAPL	S14SDIAPL:W14 Appealed SSDI decision since last wave	Categ
15	S15SDIAPL	S15SDIAPL:W15 Appealed SSDI decision since last wave	Categ
16	S16SDIAPL	S16SDIAPL:W16 Appealed SSDI decision since last wave	Categ
5	R5SDIREC	R5SDIREC:W5 Started receiving SSDI since last wave	Categ
6	R6SDIREC	R6SDIREC:W6 Started receiving SSDI since last wave	Categ
7	R7SDIREC	R7SDIREC:W7 Started receiving SSDI since last wave	Categ
8	R8SDIREC	R8SDIREC:W8 Started receiving SSDI since last wave	Categ
9	R9SDIREC	R9SDIREC:W9 Started receiving SSDI since last wave	Categ
10	R10SDIREC	R10SDIREC:W10 Started receiving SSDI since last wave	Categ
11	R11SDIREC	R11SDIREC:W11 Started receiving SSDI since last wave	Categ
12	R12SDIREC	R12SDIREC:W12 Started receiving SSDI since last wave	Categ
13	R13SDIREC	R13SDIREC:W13 Started receiving SSDI since last wave	Categ
14	R14SDIREC	R14SDIREC:W14 Started receiving SSDI since last wave	Categ
15	R15SDIREC	R15SDIREC:W15 Started receiving SSDI since last wave	Categ
16	R16SDIREC	R16SDIREC:W16 Started receiving SSDI since last wave	Categ
5	S5SDIREC	S5SDIREC:W5 Started receiving SSDI since last wave	Categ
6	S6SDIREC	S6SDIREC:W6 Started receiving SSDI since last wave	Categ
7	S7SDIREC	S7SDIREC:W7 Started receiving SSDI since last wave	Categ
8	S8SDIREC	S8SDIREC:W8 Started receiving SSDI since last wave	Categ
9	S9SDIREC	S9SDIREC:W9 Started receiving SSDI since last wave	Categ
10	S10SDIREC	S10SDIREC:W10 Started receiving SSDI since last wave	Categ
11	S11SDIREC	S11SDIREC:W11 Started receiving SSDI since last wave	Categ
12	S12SDIREC	S12SDIREC:W12 Started receiving SSDI since last wave	Categ
13	S13SDIREC	S13SDIREC:W13 Started receiving SSDI since last wave	Categ
14	S14SDIREC	S14SDIREC:W14 Started receiving SSDI since last wave	Categ
15	S15SDIREC	S15SDIREC:W15 Started receiving SSDI since last wave	Categ
16	S16SDIREC	S16SDIREC:W16 Started receiving SSDI since last wave	Categ
5	R5SDISTP	R5SDISTP:W5 Stopped receiving SSDI since last wave	Categ
6	R6SDISTP	R6SDISTP:W6 Stopped receiving SSDI since last wave	Categ

7	R7SDISTP	R7SDISTP:W7 Stopped receiving SSDI since last wave	Categ
8	R8SDISTP	R8SDISTP:W8 Stopped receiving SSDI since last wave	Categ
9	R9SDISTP	R9SDISTP:W9 Stopped receiving SSDI since last wave	Categ
10	R10SDISTP	R10SDISTP:W10 Stopped receiving SSDI since last wave	Categ
11	R11SDISTP	R11SDISTP:W11 Stopped receiving SSDI since last wave	Categ
12	R12SDISTP	R12SDISTP:W12 Stopped receiving SSDI since last wave	Categ
13	R13SDISTP	R13SDISTP:W13 Stopped receiving SSDI since last wave	Categ
14	R14SDISTP	R14SDISTP:W14 Stopped receiving SSDI since last wave	Categ
15	R15SDISTP	R15SDISTP:W15 Stopped receiving SSDI since last wave	Categ
16	R16SDISTP	R16SDISTP:W16 Stopped receiving SSDI since last wave	Categ
5	S5SDISTP	S5SDISTP:W5 Stopped receiving SSDI since last wave	Categ
6	S6SDISTP	S6SDISTP:W6 Stopped receiving SSDI since last wave	Categ
7	S7SDISTP	S7SDISTP:W7 Stopped receiving SSDI since last wave	Categ
8	S8SDISTP	S8SDISTP:W8 Stopped receiving SSDI since last wave	Categ
9	S9SDISTP	S9SDISTP:W9 Stopped receiving SSDI since last wave	Categ
10	S10SDISTP	S10SDISTP:W10 Stopped receiving SSDI since last wave	Categ
11	S11SDISTP	S11SDISTP:W11 Stopped receiving SSDI since last wave	Categ
12	S12SDISTP	S12SDISTP:W12 Stopped receiving SSDI since last wave	Categ
13	S13SDISTP	S13SDISTP:W13 Stopped receiving SSDI since last wave	Categ
14	S14SDISTP	S14SDISTP:W14 Stopped receiving SSDI since last wave	Categ
15	S15SDISTP	S15SDISTP:W15 Stopped receiving SSDI since last wave	Categ
16	S16SDISTP	S16SDISTP:W16 Stopped receiving SSDI since last wave	Categ
5	R5SDIAPPY	R5SDIAPPY:W5 Year applied for SSDI since last wave	Cont
6	R6SDIAPPY	R6SDIAPPY:W6 Year applied for SSDI since last wave	Cont
7	R7SDIAPPY	R7SDIAPPY:W7 Year applied for SSDI since last wave	Cont
8	R8SDIAPPY	R8SDIAPPY:W8 Year applied for SSDI since last wave	Cont
9	R9SDIAPPY	R9SDIAPPY:W9 Year applied for SSDI since last wave	Cont
10	R10SDIAPPY	R10SDIAPPY:W10 Year applied for SSDI since last wave	Cont
11	R11SDIAPPY	R11SDIAPPY:W11 Year applied for SSDI since last wave	Cont
12	R12SDIAPPY	R12SDIAPPY:W12 Year applied for SSDI since last wave	Cont
13	R13SDIAPPY	R13SDIAPPY:W13 Year applied for SSDI since last wave	Cont
14	R14SDIAPPY	R14SDIAPPY:W14 Year applied for SSDI since last wave	Cont
15	R15SDIAPPY	R15SDIAPPY:W15 Year applied for SSDI since last wave	Cont
16	R16SDIAPPY	R16SDIAPPY:W16 Year applied for SSDI since last wave	Cont
5	S5SDIAPPY	S5SDIAPPY:W5 Year applied for SSDI since last wave	Cont
6	S6SDIAPPY	S6SDIAPPY:W6 Year applied for SSDI since last wave	Cont
7	S7SDIAPPY	S7SDIAPPY:W7 Year applied for SSDI since last wave	Cont
8	S8SDIAPPY	S8SDIAPPY:W8 Year applied for SSDI since last wave	Cont
9	S9SDIAPPY	S9SDIAPPY:W9 Year applied for SSDI since last wave	Cont
10	S10SDIAPPY	S10SDIAPPY:W10 Year applied for SSDI since last wave	Cont
11	S11SDIAPPY	S11SDIAPPY:W11 Year applied for SSDI since last wave	Cont
12	S12SDIAPPY	S12SDIAPPY:W12 Year applied for SSDI since last wave	Cont
13	S13SDIAPPY	S13SDIAPPY:W13 Year applied for SSDI since last wave	Cont
14	S14SDIAPPY	S14SDIAPPY:W14 Year applied for SSDI since last wave	Cont
15	S15SDIAPPY	S15SDIAPPY:W15 Year applied for SSDI since last wave	Cont
16	S16SDIAPPY	S16SDIAPPY:W16 Year applied for SSDI since last wave	Cont
5	R5SDIAPLY	R5SDIAPLY:W5 Year appealed SSDI since last wave	Cont
6	R6SDIAPLY	R6SDIAPLY:W6 Year appealed SSDI since last wave	Cont
7	R7SDIAPLY	R7SDIAPLY:W7 Year appealed SSDI since last wave	Cont
8	R8SDIAPLY	R8SDIAPLY:W8 Year appealed SSDI since last wave	Cont
9	R9SDIAPLY	R9SDIAPLY:W9 Year appealed SSDI since last wave	Cont
10	R10SDIAPLY	R10SDIAPLY:W10 Year appealed SSDI since last wave	Cont
11	R11SDIAPLY	R11SDIAPLY:W11 Year appealed SSDI since last wave	Cont
12	R12SDIAPLY	R12SDIAPLY:W12 Year appealed SSDI since last wave	Cont
13	R13SDIAPLY	R13SDIAPLY:W13 Year appealed SSDI since last wave	Cont
14	R14SDIAPLY	R14SDIAPLY:W14 Year appealed SSDI since last wave	Cont
15	R15SDIAPLY	R15SDIAPLY:W15 Year appealed SSDI since last wave	Cont
16	R16SDIAPLY	R16SDIAPLY:W16 Year appealed SSDI since last wave	Cont
5	S5SDIAPLY	S5SDIAPLY:W5 Year appealed SSDI since last wave	Cont
6	S6SDIAPLY	S6SDIAPLY:W6 Year appealed SSDI since last wave	Cont
7	S7SDIAPLY	S7SDIAPLY:W7 Year appealed SSDI since last wave	Cont
8	S8SDIAPLY	S8SDIAPLY:W8 Year appealed SSDI since last wave	Cont
9	S9SDIAPLY	S9SDIAPLY:W9 Year appealed SSDI since last wave	Cont
10	S10SDIAPLY	S10SDIAPLY:W10 Year appealed SSDI since last wave	Cont
11	S11SDIAPLY	S11SDIAPLY:W11 Year appealed SSDI since last wave	Cont
12	S12SDIAPLY	S12SDIAPLY:W12 Year appealed SSDI since last wave	Cont
13	S13SDIAPLY	S13SDIAPLY:W13 Year appealed SSDI since last wave	Cont

14	S14SDIAPLY	S14SDIAPLY:W14 Year appealed SSDI since last wave	Cont
15	S15SDIAPLY	S15SDIAPLY:W15 Year appealed SSDI since last wave	Cont
16	S16SDIAPLY	S16SDIAPLY:W16 Year appealed SSDI since last wave	Cont
5	R5SDIRECY	R5SDIRECY:W5 Year started receiving SSDI since last wave	Cont
6	R6SDIRECY	R6SDIRECY:W6 Year started receiving SSDI since last wave	Cont
7	R7SDIRECY	R7SDIRECY:W7 Year started receiving SSDI since last wave	Cont
8	R8SDIRECY	R8SDIRECY:W8 Year started receiving SSDI since last wave	Cont
9	R9SDIRECY	R9SDIRECY:W9 Year started receiving SSDI since last wave	Cont
10	R10SDIRECY	R10SDIRECY:W10 Year started receiving SSDI since last wave	Cont
11	R11SDIRECY	R11SDIRECY:W11 Year started receiving SSDI since last wave	Cont
12	R12SDIRECY	R12SDIRECY:W12 Year started receiving SSDI since last wave	Cont
13	R13SDIRECY	R13SDIRECY:W13 Year started receiving SSDI since last wave	Cont
14	R14SDIRECY	R14SDIRECY:W14 Year started receiving SSDI since last wave	Cont
15	R15SDIRECY	R15SDIRECY:W15 Year started receiving SSDI since last wave	Cont
16	R16SDIRECY	R16SDIRECY:W16 Year started receiving SSDI since last wave	Cont
5	S5SDIRECY	S5SDIRECY:W5 Year started receiving SSDI since last wave	Cont
6	S6SDIRECY	S6SDIRECY:W6 Year started receiving SSDI since last wave	Cont
7	S7SDIRECY	S7SDIRECY:W7 Year started receiving SSDI since last wave	Cont
8	S8SDIRECY	S8SDIRECY:W8 Year started receiving SSDI since last wave	Cont
9	S9SDIRECY	S9SDIRECY:W9 Year started receiving SSDI since last wave	Cont
10	S10SDIRECY	S10SDIRECY:W10 Year started receiving SSDI since last wave	Cont
11	S11SDIRECY	S11SDIRECY:W11 Year started receiving SSDI since last wave	Cont
12	S12SDIRECY	S12SDIRECY:W12 Year started receiving SSDI since last wave	Cont
13	S13SDIRECY	S13SDIRECY:W13 Year started receiving SSDI since last wave	Cont
14	S14SDIRECY	S14SDIRECY:W14 Year started receiving SSDI since last wave	Cont
15	S15SDIRECY	S15SDIRECY:W15 Year started receiving SSDI since last wave	Cont
16	S16SDIRECY	S16SDIRECY:W16 Year started receiving SSDI since last wave	Cont
5	R5SDISTPY	R5SDISTPY:W5 Year stopped receiving SSDI since last wave	Cont
6	R6SDISTPY	R6SDISTPY:W6 Year stopped receiving SSDI since last wave	Cont
7	R7SDISTPY	R7SDISTPY:W7 Year stopped receiving SSDI since last wave	Cont
8	R8SDISTPY	R8SDISTPY:W8 Year stopped receiving SSDI since last wave	Cont
9	R9SDISTPY	R9SDISTPY:W9 Year stopped receiving SSDI since last wave	Cont
10	R10SDISTPY	R10SDISTPY:W10 Year stopped receiving SSDI since last wave	Cont
11	R11SDISTPY	R11SDISTPY:W11 Year stopped receiving SSDI since last wave	Cont
12	R12SDISTPY	R12SDISTPY:W12 Year stopped receiving SSDI since last wave	Cont
13	R13SDISTPY	R13SDISTPY:W13 Year stopped receiving SSDI since last wave	Cont
14	R14SDISTPY	R14SDISTPY:W14 Year stopped receiving SSDI since last wave	Cont
15	R15SDISTPY	R15SDISTPY:W15 Year stopped receiving SSDI since last wave	Cont
16	R16SDISTPY	R16SDISTPY:W16 Year stopped receiving SSDI since last wave	Cont
5	S5SDISTPY	S5SDISTPY:W5 Year stopped receiving SSDI since last wave	Cont
6	S6SDISTPY	S6SDISTPY:W6 Year stopped receiving SSDI since last wave	Cont
7	S7SDISTPY	S7SDISTPY:W7 Year stopped receiving SSDI since last wave	Cont
8	S8SDISTPY	S8SDISTPY:W8 Year stopped receiving SSDI since last wave	Cont
9	S9SDISTPY	S9SDISTPY:W9 Year stopped receiving SSDI since last wave	Cont
10	S10SDISTPY	S10SDISTPY:W10 Year stopped receiving SSDI since last wave	Cont
11	S11SDISTPY	S11SDISTPY:W11 Year stopped receiving SSDI since last wave	Cont
12	S12SDISTPY	S12SDISTPY:W12 Year stopped receiving SSDI since last wave	Cont
13	S13SDISTPY	S13SDISTPY:W13 Year stopped receiving SSDI since last wave	Cont
14	S14SDISTPY	S14SDISTPY:W14 Year stopped receiving SSDI since last wave	Cont
15	S15SDISTPY	S15SDISTPY:W15 Year stopped receiving SSDI since last wave	Cont
16	S16SDISTPY	S16SDISTPY:W16 Year stopped receiving SSDI since last wave	Cont
5	R5SDIAPPM	R5SDIAPPM:W5 Month applied for SSDI since last wave	Cont
6	R6SDIAPPM	R6SDIAPPM:W6 Month applied for SSDI since last wave	Cont
7	R7SDIAPPM	R7SDIAPPM:W7 Month applied for SSDI since last wave	Cont
8	R8SDIAPPM	R8SDIAPPM:W8 Month applied for SSDI since last wave	Cont
9	R9SDIAPPM	R9SDIAPPM:W9 Month applied for SSDI since last wave	Cont
10	R10SDIAPPM	R10SDIAPPM:W10 Month applied for SSDI since last wave	Cont
11	R11SDIAPPM	R11SDIAPPM:W11 Month applied for SSDI since last wave	Cont
12	R12SDIAPPM	R12SDIAPPM:W12 Month applied for SSDI since last wave	Cont
13	R13SDIAPPM	R13SDIAPPM:W13 Month applied for SSDI since last wave	Cont
14	R14SDIAPPM	R14SDIAPPM:W14 Month applied for SSDI since last wave	Cont
15	R15SDIAPPM	R15SDIAPPM:W15 Month applied for SSDI since last wave	Cont
16	R16SDIAPPM	R16SDIAPPM:W16 Month applied for SSDI since last wave	Cont
5	S5SDIAPPM	S5SDIAPPM:W5 Month applied for SSDI since last wave	Cont
6	S6SDIAPPM	S6SDIAPPM:W6 Month applied for SSDI since last wave	Cont
7	S7SDIAPPM	S7SDIAPPM:W7 Month applied for SSDI since last wave	Cont

8	S8SDIAPPM	S8SDIAPPM:W8 Month applied for SSDI since last wave	Cont
9	S9SDIAPPM	S9SDIAPPM:W9 Month applied for SSDI since last wave	Cont
10	S10SDIAPPM	S10SDIAPPM:W10 Month applied for SSDI since last wave	Cont
11	S11SDIAPPM	S11SDIAPPM:W11 Month applied for SSDI since last wave	Cont
12	S12SDIAPPM	S12SDIAPPM:W12 Month applied for SSDI since last wave	Cont
13	S13SDIAPPM	S13SDIAPPM:W13 Month applied for SSDI since last wave	Cont
14	S14SDIAPPM	S14SDIAPPM:W14 Month applied for SSDI since last wave	Cont
15	S15SDIAPPM	S15SDIAPPM:W15 Month applied for SSDI since last wave	Cont
16	S16SDIAPPM	S16SDIAPPM:W16 Month applied for SSDI since last wave	Cont
5	R5SDIAPLM	R5SDIAPLM:W5 Month appealed SSDI since last wave	Cont
6	R6SDIAPLM	R6SDIAPLM:W6 Month appealed SSDI since last wave	Cont
7	R7SDIAPLM	R7SDIAPLM:W7 Month appealed SSDI since last wave	Cont
8	R8SDIAPLM	R8SDIAPLM:W8 Month appealed SSDI since last wave	Cont
9	R9SDIAPLM	R9SDIAPLM:W9 Month appealed SSDI since last wave	Cont
10	R10SDIAPLM	R10SDIAPLM:W10 Month appealed SSDI since last wave	Cont
11	R11SDIAPLM	R11SDIAPLM:W11 Month appealed SSDI since last wave	Cont
12	R12SDIAPLM	R12SDIAPLM:W12 Month appealed SSDI since last wave	Cont
13	R13SDIAPLM	R13SDIAPLM:W13 Month appealed SSDI since last wave	Cont
14	R14SDIAPLM	R14SDIAPLM:W14 Month appealed SSDI since last wave	Cont
15	R15SDIAPLM	R15SDIAPLM:W15 Month appealed SSDI since last wave	Cont
16	R16SDIAPLM	R16SDIAPLM:W16 Month appealed SSDI since last wave	Cont
5	S5SDIAPLM	S5SDIAPLM:W5 Month appealed SSDI since last wave	Cont
6	S6SDIAPLM	S6SDIAPLM:W6 Month appealed SSDI since last wave	Cont
7	S7SDIAPLM	S7SDIAPLM:W7 Month appealed SSDI since last wave	Cont
8	S8SDIAPLM	S8SDIAPLM:W8 Month appealed SSDI since last wave	Cont
9	S9SDIAPLM	S9SDIAPLM:W9 Month appealed SSDI since last wave	Cont
10	S10SDIAPLM	S10SDIAPLM:W10 Month appealed SSDI since last wave	Cont
11	S11SDIAPLM	S11SDIAPLM:W11 Month appealed SSDI since last wave	Cont
12	S12SDIAPLM	S12SDIAPLM:W12 Month appealed SSDI since last wave	Cont
13	S13SDIAPLM	S13SDIAPLM:W13 Month appealed SSDI since last wave	Cont
14	S14SDIAPLM	S14SDIAPLM:W14 Month appealed SSDI since last wave	Cont
15	S15SDIAPLM	S15SDIAPLM:W15 Month appealed SSDI since last wave	Cont
16	S16SDIAPLM	S16SDIAPLM:W16 Month appealed SSDI since last wave	Cont
5	R5SDIRECM	R5SDIRECM:W5 Month started receiving SSDI since last wave	Cont
6	R6SDIRECM	R6SDIRECM:W6 Month started receiving SSDI since last wave	Cont
7	R7SDIRECM	R7SDIRECM:W7 Month started receiving SSDI since last wave	Cont
8	R8SDIRECM	R8SDIRECM:W8 Month started receiving SSDI since last wave	Cont
9	R9SDIRECM	R9SDIRECM:W9 Month started receiving SSDI since last wave	Cont
10	R10SDIRECM	R10SDIRECM:W10 Month started receiving SSDI since last wave	Cont
11	R11SDIRECM	R11SDIRECM:W11 Month started receiving SSDI since last wave	Cont
12	R12SDIRECM	R12SDIRECM:W12 Month started receiving SSDI since last wave	Cont
13	R13SDIRECM	R13SDIRECM:W13 Month started receiving SSDI since last wave	Cont
14	R14SDIRECM	R14SDIRECM:W14 Month started receiving SSDI since last wave	Cont
15	R15SDIRECM	R15SDIRECM:W15 Month started receiving SSDI since last wave	Cont
16	R16SDIRECM	R16SDIRECM:W16 Month started receiving SSDI since last wave	Cont
5	S5SDIRECM	S5SDIRECM:W5 Month started receiving SSDI since last wave	Cont
6	S6SDIRECM	S6SDIRECM:W6 Month started receiving SSDI since last wave	Cont
7	S7SDIRECM	S7SDIRECM:W7 Month started receiving SSDI since last wave	Cont
8	S8SDIRECM	S8SDIRECM:W8 Month started receiving SSDI since last wave	Cont
9	S9SDIRECM	S9SDIRECM:W9 Month started receiving SSDI since last wave	Cont
10	S10SDIRECM	S10SDIRECM:W10 Month started receiving SSDI since last wave	Cont
11	S11SDIRECM	S11SDIRECM:W11 Month started receiving SSDI since last wave	Cont
12	S12SDIRECM	S12SDIRECM:W12 Month started receiving SSDI since last wave	Cont
13	S13SDIRECM	S13SDIRECM:W13 Month started receiving SSDI since last wave	Cont
14	S14SDIRECM	S14SDIRECM:W14 Month started receiving SSDI since last wave	Cont
15	S15SDIRECM	S15SDIRECM:W15 Month started receiving SSDI since last wave	Cont
16	S16SDIRECM	S16SDIRECM:W16 Month started receiving SSDI since last wave	Cont
5	R5SDISTPM	R5SDISTPM:W5 Month stopped receiving SSDI since last wave	Cont
6	R6SDISTPM	R6SDISTPM:W6 Month stopped receiving SSDI since last wave	Cont
7	R7SDISTPM	R7SDISTPM:W7 Month stopped receiving SSDI since last wave	Cont
8	R8SDISTPM	R8SDISTPM:W8 Month stopped receiving SSDI since last wave	Cont
9	R9SDISTPM	R9SDISTPM:W9 Month stopped receiving SSDI since last wave	Cont
10	R10SDISTPM	R10SDISTPM:W10 Month stopped receiving SSDI since last wave	Cont
11	R11SDISTPM	R11SDISTPM:W11 Month stopped receiving SSDI since last wave	Cont
12	R12SDISTPM	R12SDISTPM:W12 Month stopped receiving SSDI since last wave	Cont
13	R13SDISTPM	R13SDISTPM:W13 Month stopped receiving SSDI since last wave	Cont
14	R14SDISTPM	R14SDISTPM:W14 Month stopped receiving SSDI since last wave	Cont

15	R15SDISTPM	R15SDISTPM:W15 Month stopped receiving SSDI since last wave	Cont
16	R16SDISTPM	R16SDISTPM:W16 Month stopped receiving SSDI since last wave	Cont
5	S5SDISTPM	S5SDISTPM:W5 Month stopped receiving SSDI since last wave	Cont
6	S6SDISTPM	S6SDISTPM:W6 Month stopped receiving SSDI since last wave	Cont
7	S7SDISTPM	S7SDISTPM:W7 Month stopped receiving SSDI since last wave	Cont
8	S8SDISTPM	S8SDISTPM:W8 Month stopped receiving SSDI since last wave	Cont
9	S9SDISTPM	S9SDISTPM:W9 Month stopped receiving SSDI since last wave	Cont
10	S10SDISTPM	S10SDISTPM:W10 Month stopped receiving SSDI since last wave	Cont
11	S11SDISTPM	S11SDISTPM:W11 Month stopped receiving SSDI since last wave	Cont
12	S12SDISTPM	S12SDISTPM:W12 Month stopped receiving SSDI since last wave	Cont
13	S13SDISTPM	S13SDISTPM:W13 Month stopped receiving SSDI since last wave	Cont
14	S14SDISTPM	S14SDISTPM:W14 Month stopped receiving SSDI since last wave	Cont
15	S15SDISTPM	S15SDISTPM:W15 Month stopped receiving SSDI since last wave	Cont
16	S16SDISTPM	S16SDISTPM:W16 Month stopped receiving SSDI since last wave	Cont
5	R5SSIAPP	R5SSIAPP:W5 Applied for SSI since last wave	Categ
6	R6SSIAPP	R6SSIAPP:W6 Applied for SSI since last wave	Categ
7	R7SSIAPP	R7SSIAPP:W7 Applied for SSI since last wave	Categ
8	R8SSIAPP	R8SSIAPP:W8 Applied for SSI since last wave	Categ
9	R9SSIAPP	R9SSIAPP:W9 Applied for SSI since last wave	Categ
10	R10SSIAPP	R10SSIAPP:W10 Applied for SSI since last wave	Categ
11	R11SSIAPP	R11SSIAPP:W11 Applied for SSI since last wave	Categ
12	R12SSIAPP	R12SSIAPP:W12 Applied for SSI since last wave	Categ
13	R13SSIAPP	R13SSIAPP:W13 Applied for SSI since last wave	Categ
14	R14SSIAPP	R14SSIAPP:W14 Applied for SSI since last wave	Categ
15	R15SSIAPP	R15SSIAPP:W15 Applied for SSI since last wave	Categ
16	R16SSIAPP	R16SSIAPP:W16 Applied for SSI since last wave	Categ
5	S5SSIAPP	S5SSIAPP:W5 Applied for SSI since last wave	Categ
6	S6SSIAPP	S6SSIAPP:W6 Applied for SSI since last wave	Categ
7	S7SSIAPP	S7SSIAPP:W7 Applied for SSI since last wave	Categ
8	S8SSIAPP	S8SSIAPP:W8 Applied for SSI since last wave	Categ
9	S9SSIAPP	S9SSIAPP:W9 Applied for SSI since last wave	Categ
10	S10SSIAPP	S10SSIAPP:W10 Applied for SSI since last wave	Categ
11	S11SSIAPP	S11SSIAPP:W11 Applied for SSI since last wave	Categ
12	S12SSIAPP	S12SSIAPP:W12 Applied for SSI since last wave	Categ
13	S13SSIAPP	S13SSIAPP:W13 Applied for SSI since last wave	Categ
14	S14SSIAPP	S14SSIAPP:W14 Applied for SSI since last wave	Categ
15	S15SSIAPP	S15SSIAPP:W15 Applied for SSI since last wave	Categ
16	S16SSIAPP	S16SSIAPP:W16 Applied for SSI since last wave	Categ
5	R5SSIDEN	R5SSIDEN:W5 Denied SSI since last wave	Categ
6	R6SSIDEN	R6SSIDEN:W6 Denied SSI since last wave	Categ
7	R7SSIDEN	R7SSIDEN:W7 Denied SSI since last wave	Categ
8	R8SSIDEN	R8SSIDEN:W8 Denied SSI since last wave	Categ
9	R9SSIDEN	R9SSIDEN:W9 Denied SSI since last wave	Categ
10	R10SSIDEN	R10SSIDEN:W10 Denied SSI since last wave	Categ
11	R11SSIDEN	R11SSIDEN:W11 Denied SSI since last wave	Categ
12	R12SSIDEN	R12SSIDEN:W12 Denied SSI since last wave	Categ
13	R13SSIDEN	R13SSIDEN:W13 Denied SSI since last wave	Categ
14	R14SSIDEN	R14SSIDEN:W14 Denied SSI since last wave	Categ
15	R15SSIDEN	R15SSIDEN:W15 Denied SSI since last wave	Categ
16	R16SSIDEN	R16SSIDEN:W16 Denied SSI since last wave	Categ
5	S5SSIDEN	S5SSIDEN:W5 Denied SSI since last wave	Categ
6	S6SSIDEN	S6SSIDEN:W6 Denied SSI since last wave	Categ
7	S7SSIDEN	S7SSIDEN:W7 Denied SSI since last wave	Categ
8	S8SSIDEN	S8SSIDEN:W8 Denied SSI since last wave	Categ
9	S9SSIDEN	S9SSIDEN:W9 Denied SSI since last wave	Categ
10	S10SSIDEN	S10SSIDEN:W10 Denied SSI since last wave	Categ
11	S11SSIDEN	S11SSIDEN:W11 Denied SSI since last wave	Categ
12	S12SSIDEN	S12SSIDEN:W12 Denied SSI since last wave	Categ
13	S13SSIDEN	S13SSIDEN:W13 Denied SSI since last wave	Categ
14	S14SSIDEN	S14SSIDEN:W14 Denied SSI since last wave	Categ
15	S15SSIDEN	S15SSIDEN:W15 Denied SSI since last wave	Categ
16	S16SSIDEN	S16SSIDEN:W16 Denied SSI since last wave	Categ
5	R5SSIAPL	R5SSIAPL:W5 Appealed SSI decision since last wave	Categ
6	R6SSIAPL	R6SSIAPL:W6 Appealed SSI decision since last wave	Categ
7	R7SSIAPL	R7SSIAPL:W7 Appealed SSI decision since last wave	Categ
8	R8SSIAPL	R8SSIAPL:W8 Appealed SSI decision since last wave	Categ

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 9    R9SSIAPL            R9SSIAPL:W9 Appealed SSI decision since last wave                Categ
10    R10SSIAPL           R10SSIAPL:W10 Appealed SSI decision since last wave              Categ
11    R11SSIAPL           R11SSIAPL:W11 Appealed SSI decision since last wave              Categ
12    R12SSIAPL           R12SSIAPL:W12 Appealed SSI decision since last wave              Categ
13    R13SSIAPL           R13SSIAPL:W13 Appealed SSI decision since last wave              Categ
14    R14SSIAPL           R14SSIAPL:W14 Appealed SSI decision since last wave              Categ
15    R15SSIAPL           R15SSIAPL:W15 Appealed SSI decision since last wave              Categ
16    R16SSIAPL           R16SSIAPL:W16 Appealed SSI decision since last wave              Categ

 5    S5SSIAPL            S5SSIAPL:W5 Appealed SSI decision since last wave                Categ
 6    S6SSIAPL            S6SSIAPL:W6 Appealed SSI decision since last wave                Categ
 7    S7SSIAPL            S7SSIAPL:W7 Appealed SSI decision since last wave                Categ
 8    S8SSIAPL            S8SSIAPL:W8 Appealed SSI decision since last wave                Categ
 9    S9SSIAPL            S9SSIAPL:W9 Appealed SSI decision since last wave                Categ
10    S10SSIAPL           S10SSIAPL:W10 Appealed SSI decision since last wave              Categ
11    S11SSIAPL           S11SSIAPL:W11 Appealed SSI decision since last wave              Categ
12    S12SSIAPL           S12SSIAPL:W12 Appealed SSI decision since last wave              Categ
13    S13SSIAPL           S13SSIAPL:W13 Appealed SSI decision since last wave              Categ
14    S14SSIAPL           S14SSIAPL:W14 Appealed SSI decision since last wave              Categ
15    S15SSIAPL           S15SSIAPL:W15 Appealed SSI decision since last wave              Categ
16    S16SSIAPL           S16SSIAPL:W16 Appealed SSI decision since last wave              Categ

 5    R5SSIREC            R5SSIREC:W5 Started receiving SSI since last wave                Categ
 6    R6SSIREC            R6SSIREC:W6 Started receiving SSI since last wave                Categ
 7    R7SSIREC            R7SSIREC:W7 Started receiving SSI since last wave                Categ
 8    R8SSIREC            R8SSIREC:W8 Started receiving SSI since last wave                Categ
 9    R9SSIREC            R9SSIREC:W9 Started receiving SSI since last wave                Categ
10    R10SSIREC           R10SSIREC:W10 Started receiving SSI since last wave              Categ
11    R11SSIREC           R11SSIREC:W11 Started receiving SSI since last wave              Categ
12    R12SSIREC           R12SSIREC:W12 Started receiving SSI since last wave              Categ
13    R13SSIREC           R13SSIREC:W13 Started receiving SSI since last wave              Categ
14    R14SSIREC           R14SSIREC:W14 Started receiving SSI since last wave              Categ
15    R15SSIREC           R15SSIREC:W15 Started receiving SSI since last wave              Categ
16    R16SSIREC           R16SSIREC:W16 Started receiving SSI since last wave              Categ

 5    S5SSIREC            S5SSIREC:W5 Started receiving SSI since last wave                Categ
 6    S6SSIREC            S6SSIREC:W6 Started receiving SSI since last wave                Categ
 7    S7SSIREC            S7SSIREC:W7 Started receiving SSI since last wave                Categ
 8    S8SSIREC            S8SSIREC:W8 Started receiving SSI since last wave                Categ
 9    S9SSIREC            S9SSIREC:W9 Started receiving SSI since last wave                Categ
10    S10SSIREC           S10SSIREC:W10 Started receiving SSI since last wave              Categ
11    S11SSIREC           S11SSIREC:W11 Started receiving SSI since last wave              Categ
12    S12SSIREC           S12SSIREC:W12 Started receiving SSI since last wave              Categ
13    S13SSIREC           S13SSIREC:W13 Started receiving SSI since last wave              Categ
14    S14SSIREC           S14SSIREC:W14 Started receiving SSI since last wave              Categ
15    S15SSIREC           S15SSIREC:W15 Started receiving SSI since last wave              Categ
16    S16SSIREC           S16SSIREC:W16 Started receiving SSI since last wave              Categ

 5    R5SSISTP            R5SSISTP:W5 Stopped receiving SSI since last wave                Categ
 6    R6SSISTP            R6SSISTP:W6 Stopped receiving SSI since last wave                Categ
 7    R7SSISTP            R7SSISTP:W7 Stopped receiving SSI since last wave                Categ
 8    R8SSISTP            R8SSISTP:W8 Stopped receiving SSI since last wave                Categ
 9    R9SSISTP            R9SSISTP:W9 Stopped receiving SSI since last wave                Categ
10    R10SSISTP           R10SSISTP:W10 Stopped receiving SSI since last wave              Categ
11    R11SSISTP           R11SSISTP:W11 Stopped receiving SSI since last wave              Categ
12    R12SSISTP           R12SSISTP:W12 Stopped receiving SSI since last wave              Categ
13    R13SSISTP           R13SSISTP:W13 Stopped receiving SSI since last wave              Categ
14    R14SSISTP           R14SSISTP:W14 Stopped receiving SSI since last wave              Categ
15    R15SSISTP           R15SSISTP:W15 Stopped receiving SSI since last wave              Categ
16    R16SSISTP           R16SSISTP:W16 Stopped receiving SSI since last wave              Categ

 5    S5SSISTP            S5SSISTP:W5 Stopped receiving SSI since last wave                Categ
 6    S6SSISTP            S6SSISTP:W6 Stopped receiving SSI since last wave                Categ
 7    S7SSISTP            S7SSISTP:W7 Stopped receiving SSI since last wave                Categ
 8    S8SSISTP            S8SSISTP:W8 Stopped receiving SSI since last wave                Categ
 9    S9SSISTP            S9SSISTP:W9 Stopped receiving SSI since last wave                Categ
10    S10SSISTP           S10SSISTP:W10 Stopped receiving SSI since last wave              Categ
11    S11SSISTP           S11SSISTP:W11 Stopped receiving SSI since last wave              Categ
12    S12SSISTP           S12SSISTP:W12 Stopped receiving SSI since last wave              Categ
13    S13SSISTP           S13SSISTP:W13 Stopped receiving SSI since last wave              Categ
14    S14SSISTP           S14SSISTP:W14 Stopped receiving SSI since last wave              Categ
15    S15SSISTP           S15SSISTP:W15 Stopped receiving SSI since last wave              Categ
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16	S16SSISTP	S16SSISTP:W16 Stopped receiving SSI since last wave	Categ
5	R5SSIAPPY	R5SSIAPPY:W5 Year applied for SSI since last wave	Cont
6	R6SSIAPPY	R6SSIAPPY:W6 Year applied for SSI since last wave	Cont
7	R7SSIAPPY	R7SSIAPPY:W7 Year applied for SSI since last wave	Cont
8	R8SSIAPPY	R8SSIAPPY:W8 Year applied for SSI since last wave	Cont
9	R9SSIAPPY	R9SSIAPPY:W9 Year applied for SSI since last wave	Cont
10	R10SSIAPPY	R10SSIAPPY:W10 Year applied for SSI since last wave	Cont
11	R11SSIAPPY	R11SSIAPPY:W11 Year applied for SSI since last wave	Cont
12	R12SSIAPPY	R12SSIAPPY:W12 Year applied for SSI since last wave	Cont
13	R13SSIAPPY	R13SSIAPPY:W13 Year applied for SSI since last wave	Cont
14	R14SSIAPPY	R14SSIAPPY:W14 Year applied for SSI since last wave	Cont
15	R15SSIAPPY	R15SSIAPPY:W15 Year applied for SSI since last wave	Cont
16	R16SSIAPPY	R16SSIAPPY:W16 Year applied for SSI since last wave	Cont
5	S5SSIAPPY	S5SSIAPPY:W5 Year applied for SSI since last wave	Cont
6	S6SSIAPPY	S6SSIAPPY:W6 Year applied for SSI since last wave	Cont
7	S7SSIAPPY	S7SSIAPPY:W7 Year applied for SSI since last wave	Cont
8	S8SSIAPPY	S8SSIAPPY:W8 Year applied for SSI since last wave	Cont
9	S9SSIAPPY	S9SSIAPPY:W9 Year applied for SSI since last wave	Cont
10	S10SSIAPPY	S10SSIAPPY:W10 Year applied for SSI since last wave	Cont
11	S11SSIAPPY	S11SSIAPPY:W11 Year applied for SSI since last wave	Cont
12	S12SSIAPPY	S12SSIAPPY:W12 Year applied for SSI since last wave	Cont
13	S13SSIAPPY	S13SSIAPPY:W13 Year applied for SSI since last wave	Cont
14	S14SSIAPPY	S14SSIAPPY:W14 Year applied for SSI since last wave	Cont
15	S15SSIAPPY	S15SSIAPPY:W15 Year applied for SSI since last wave	Cont
16	S16SSIAPPY	S16SSIAPPY:W16 Year applied for SSI since last wave	Cont
5	R5SSIAPLY	R5SSIAPLY:W5 Year appealed SSI since last wave	Cont
6	R6SSIAPLY	R6SSIAPLY:W6 Year appealed SSI since last wave	Cont
7	R7SSIAPLY	R7SSIAPLY:W7 Year appealed SSI since last wave	Cont
8	R8SSIAPLY	R8SSIAPLY:W8 Year appealed SSI since last wave	Cont
9	R9SSIAPLY	R9SSIAPLY:W9 Year appealed SSI since last wave	Cont
10	R10SSIAPLY	R10SSIAPLY:W10 Year appealed SSI since last wave	Cont
11	R11SSIAPLY	R11SSIAPLY:W11 Year appealed SSI since last wave	Cont
12	R12SSIAPLY	R12SSIAPLY:W12 Year appealed SSI since last wave	Cont
13	R13SSIAPLY	R13SSIAPLY:W13 Year appealed SSI since last wave	Cont
14	R14SSIAPLY	R14SSIAPLY:W14 Year appealed SSI since last wave	Cont
15	R15SSIAPLY	R15SSIAPLY:W15 Year appealed SSI since last wave	Cont
16	R16SSIAPLY	R16SSIAPLY:W16 Year appealed SSI since last wave	Cont
5	S5SSIAPLY	S5SSIAPLY:W5 Year appealed SSI since last wave	Cont
6	S6SSIAPLY	S6SSIAPLY:W6 Year appealed SSI since last wave	Cont
7	S7SSIAPLY	S7SSIAPLY:W7 Year appealed SSI since last wave	Cont
8	S8SSIAPLY	S8SSIAPLY:W8 Year appealed SSI since last wave	Cont
9	S9SSIAPLY	S9SSIAPLY:W9 Year appealed SSI since last wave	Cont
10	S10SSIAPLY	S10SSIAPLY:W10 Year appealed SSI since last wave	Cont
11	S11SSIAPLY	S11SSIAPLY:W11 Year appealed SSI since last wave	Cont
12	S12SSIAPLY	S12SSIAPLY:W12 Year appealed SSI since last wave	Cont
13	S13SSIAPLY	S13SSIAPLY:W13 Year appealed SSI since last wave	Cont
14	S14SSIAPLY	S14SSIAPLY:W14 Year appealed SSI since last wave	Cont
15	S15SSIAPLY	S15SSIAPLY:W15 Year appealed SSI since last wave	Cont
16	S16SSIAPLY	S16SSIAPLY:W16 Year appealed SSI since last wave	Cont
5	R5SSIRECY	R5SSIRECY:W5 Year started receiving SSI since last wave	Cont
6	R6SSIRECY	R6SSIRECY:W6 Year started receiving SSI since last wave	Cont
7	R7SSIRECY	R7SSIRECY:W7 Year started receiving SSI since last wave	Cont
8	R8SSIRECY	R8SSIRECY:W8 Year started receiving SSI since last wave	Cont
9	R9SSIRECY	R9SSIRECY:W9 Year started receiving SSI since last wave	Cont
10	R10SSIRECY	R10SSIRECY:W10 Year started receiving SSI since last wave	Cont
11	R11SSIRECY	R11SSIRECY:W11 Year started receiving SSI since last wave	Cont
12	R12SSIRECY	R12SSIRECY:W12 Year started receiving SSI since last wave	Cont
13	R13SSIRECY	R13SSIRECY:W13 Year started receiving SSI since last wave	Cont
14	R14SSIRECY	R14SSIRECY:W14 Year started receiving SSI since last wave	Cont
15	R15SSIRECY	R15SSIRECY:W15 Year started receiving SSI since last wave	Cont
16	R16SSIRECY	R16SSIRECY:W16 Year started receiving SSI since last wave	Cont
5	S5SSIRECY	S5SSIRECY:W5 Year started receiving SSI since last wave	Cont
6	S6SSIRECY	S6SSIRECY:W6 Year started receiving SSI since last wave	Cont
7	S7SSIRECY	S7SSIRECY:W7 Year started receiving SSI since last wave	Cont
8	S8SSIRECY	S8SSIRECY:W8 Year started receiving SSI since last wave	Cont
9	S9SSIRECY	S9SSIRECY:W9 Year started receiving SSI since last wave	Cont

10	S10SSIRECY	S10SSIRECY:W10 Year started receiving SSI since last wave	Cont
11	S11SSIRECY	S11SSIRECY:W11 Year started receiving SSI since last wave	Cont
12	S12SSIRECY	S12SSIRECY:W12 Year started receiving SSI since last wave	Cont
13	S13SSIRECY	S13SSIRECY:W13 Year started receiving SSI since last wave	Cont
14	S14SSIRECY	S14SSIRECY:W14 Year started receiving SSI since last wave	Cont
15	S15SSIRECY	S15SSIRECY:W15 Year started receiving SSI since last wave	Cont
16	S16SSIRECY	S16SSIRECY:W16 Year started receiving SSI since last wave	Cont
5	R5SSISTPY	R5SSISTPY:W5 Year stopped receiving SSI since last wave	Cont
6	R6SSISTPY	R6SSISTPY:W6 Year stopped receiving SSI since last wave	Cont
7	R7SSISTPY	R7SSISTPY:W7 Year stopped receiving SSI since last wave	Cont
8	R8SSISTPY	R8SSISTPY:W8 Year stopped receiving SSI since last wave	Cont
9	R9SSISTPY	R9SSISTPY:W9 Year stopped receiving SSI since last wave	Cont
10	R10SSISTPY	R10SSISTPY:W10 Year stopped receiving SSI since last wave	Cont
11	R11SSISTPY	R11SSISTPY:W11 Year stopped receiving SSI since last wave	Cont
12	R12SSISTPY	R12SSISTPY:W12 Year stopped receiving SSI since last wave	Cont
13	R13SSISTPY	R13SSISTPY:W13 Year stopped receiving SSI since last wave	Cont
14	R14SSISTPY	R14SSISTPY:W14 Year stopped receiving SSI since last wave	Cont
15	R15SSISTPY	R15SSISTPY:W15 Year stopped receiving SSI since last wave	Cont
16	R16SSISTPY	R16SSISTPY:W16 Year stopped receiving SSI since last wave	Cont
5	S5SSISTPY	S5SSISTPY:W5 Year stopped receiving SSI since last wave	Cont
6	S6SSISTPY	S6SSISTPY:W6 Year stopped receiving SSI since last wave	Cont
7	S7SSISTPY	S7SSISTPY:W7 Year stopped receiving SSI since last wave	Cont
8	S8SSISTPY	S8SSISTPY:W8 Year stopped receiving SSI since last wave	Cont
9	S9SSISTPY	S9SSISTPY:W9 Year stopped receiving SSI since last wave	Cont
10	S10SSISTPY	S10SSISTPY:W10 Year stopped receiving SSI since last wave	Cont
11	S11SSISTPY	S11SSISTPY:W11 Year stopped receiving SSI since last wave	Cont
12	S12SSISTPY	S12SSISTPY:W12 Year stopped receiving SSI since last wave	Cont
13	S13SSISTPY	S13SSISTPY:W13 Year stopped receiving SSI since last wave	Cont
14	S14SSISTPY	S14SSISTPY:W14 Year stopped receiving SSI since last wave	Cont
15	S15SSISTPY	S15SSISTPY:W15 Year stopped receiving SSI since last wave	Cont
16	S16SSISTPY	S16SSISTPY:W16 Year stopped receiving SSI since last wave	Cont
5	R5SSIAPPM	R5SSIAPPM:W5 Month applied for SSI since last wave	Cont
6	R6SSIAPPM	R6SSIAPPM:W6 Month applied for SSI since last wave	Cont
7	R7SSIAPPM	R7SSIAPPM:W7 Month applied for SSI since last wave	Cont
8	R8SSIAPPM	R8SSIAPPM:W8 Month applied for SSI since last wave	Cont
9	R9SSIAPPM	R9SSIAPPM:W9 Month applied for SSI since last wave	Cont
10	R10SSIAPPM	R10SSIAPPM:W10 Month applied for SSI since last wave	Cont
11	R11SSIAPPM	R11SSIAPPM:W11 Month applied for SSI since last wave	Cont
12	R12SSIAPPM	R12SSIAPPM:W12 Month applied for SSI since last wave	Cont
13	R13SSIAPPM	R13SSIAPPM:W13 Month applied for SSI since last wave	Cont
14	R14SSIAPPM	R14SSIAPPM:W14 Month applied for SSI since last wave	Cont
15	R15SSIAPPM	R15SSIAPPM:W15 Month applied for SSI since last wave	Cont
16	R16SSIAPPM	R16SSIAPPM:W16 Month applied for SSI since last wave	Cont
5	S5SSIAPPM	S5SSIAPPM:W5 Month applied for SSI since last wave	Cont
6	S6SSIAPPM	S6SSIAPPM:W6 Month applied for SSI since last wave	Cont
7	S7SSIAPPM	S7SSIAPPM:W7 Month applied for SSI since last wave	Cont
8	S8SSIAPPM	S8SSIAPPM:W8 Month applied for SSI since last wave	Cont
9	S9SSIAPPM	S9SSIAPPM:W9 Month applied for SSI since last wave	Cont
10	S10SSIAPPM	S10SSIAPPM:W10 Month applied for SSI since last wave	Cont
11	S11SSIAPPM	S11SSIAPPM:W11 Month applied for SSI since last wave	Cont
12	S12SSIAPPM	S12SSIAPPM:W12 Month applied for SSI since last wave	Cont
13	S13SSIAPPM	S13SSIAPPM:W13 Month applied for SSI since last wave	Cont
14	S14SSIAPPM	S14SSIAPPM:W14 Month applied for SSI since last wave	Cont
15	S15SSIAPPM	S15SSIAPPM:W15 Month applied for SSI since last wave	Cont
16	S16SSIAPPM	S16SSIAPPM:W16 Month applied for SSI since last wave	Cont
5	R5SSIAPLM	R5SSIAPLM:W5 Month appealed SSI since last wave	Cont
6	R6SSIAPLM	R6SSIAPLM:W6 Month appealed SSI since last wave	Cont
7	R7SSIAPLM	R7SSIAPLM:W7 Month appealed SSI since last wave	Cont
8	R8SSIAPLM	R8SSIAPLM:W8 Month appealed SSI since last wave	Cont
9	R9SSIAPLM	R9SSIAPLM:W9 Month appealed SSI since last wave	Cont
10	R10SSIAPLM	R10SSIAPLM:W10 Month appealed SSI since last wave	Cont
11	R11SSIAPLM	R11SSIAPLM:W11 Month appealed SSI since last wave	Cont
12	R12SSIAPLM	R12SSIAPLM:W12 Month appealed SSI since last wave	Cont
13	R13SSIAPLM	R13SSIAPLM:W13 Month appealed SSI since last wave	Cont
14	R14SSIAPLM	R14SSIAPLM:W14 Month appealed SSI since last wave	Cont
15	R15SSIAPLM	R15SSIAPLM:W15 Month appealed SSI since last wave	Cont
16	R16SSIAPLM	R16SSIAPLM:W16 Month appealed SSI since last wave	Cont

5	S5SSIAPLM	S5SSIAPLM:W5 Month appealed SSI since last wave	Cont
6	S6SSIAPLM	S6SSIAPLM:W6 Month appealed SSI since last wave	Cont
7	S7SSIAPLM	S7SSIAPLM:W7 Month appealed SSI since last wave	Cont
8	S8SSIAPLM	S8SSIAPLM:W8 Month appealed SSI since last wave	Cont
9	S9SSIAPLM	S9SSIAPLM:W9 Month appealed SSI since last wave	Cont
10	S10SSIAPLM	S10SSIAPLM:W10 Month appealed SSI since last wave	Cont
11	S11SSIAPLM	S11SSIAPLM:W11 Month appealed SSI since last wave	Cont
12	S12SSIAPLM	S12SSIAPLM:W12 Month appealed SSI since last wave	Cont
13	S13SSIAPLM	S13SSIAPLM:W13 Month appealed SSI since last wave	Cont
14	S14SSIAPLM	S14SSIAPLM:W14 Month appealed SSI since last wave	Cont
15	S15SSIAPLM	S15SSIAPLM:W15 Month appealed SSI since last wave	Cont
16	S16SSIAPLM	S16SSIAPLM:W16 Month appealed SSI since last wave	Cont

5	R5SSIRECM	R5SSIRECM:W5 Month started receiving SSI since last wave	Cont
6	R6SSIRECM	R6SSIRECM:W6 Month started receiving SSI since last wave	Cont
7	R7SSIRECM	R7SSIRECM:W7 Month started receiving SSI since last wave	Cont
8	R8SSIRECM	R8SSIRECM:W8 Month started receiving SSI since last wave	Cont
9	R9SSIRECM	R9SSIRECM:W9 Month started receiving SSI since last wave	Cont
10	R10SSIRECM	R10SSIRECM:W10 Month started receiving SSI since last wave	Cont
11	R11SSIRECM	R11SSIRECM:W11 Month started receiving SSI since last wave	Cont
12	R12SSIRECM	R12SSIRECM:W12 Month started receiving SSI since last wave	Cont
13	R13SSIRECM	R13SSIRECM:W13 Month started receiving SSI since last wave	Cont
14	R14SSIRECM	R14SSIRECM:W14 Month started receiving SSI since last wave	Cont
15	R15SSIRECM	R15SSIRECM:W15 Month started receiving SSI since last wave	Cont
16	R16SSIRECM	R16SSIRECM:W16 Month started receiving SSI since last wave	Cont

5	S5SSIRECM	S5SSIRECM:W5 Month started receiving SSI since last wave	Cont
6	S6SSIRECM	S6SSIRECM:W6 Month started receiving SSI since last wave	Cont
7	S7SSIRECM	S7SSIRECM:W7 Month started receiving SSI since last wave	Cont
8	S8SSIRECM	S8SSIRECM:W8 Month started receiving SSI since last wave	Cont
9	S9SSIRECM	S9SSIRECM:W9 Month started receiving SSI since last wave	Cont
10	S10SSIRECM	S10SSIRECM:W10 Month started receiving SSI since last wave	Cont
11	S11SSIRECM	S11SSIRECM:W11 Month started receiving SSI since last wave	Cont
12	S12SSIRECM	S12SSIRECM:W12 Month started receiving SSI since last wave	Cont
13	S13SSIRECM	S13SSIRECM:W13 Month started receiving SSI since last wave	Cont
14	S14SSIRECM	S14SSIRECM:W14 Month started receiving SSI since last wave	Cont
15	S15SSIRECM	S15SSIRECM:W15 Month started receiving SSI since last wave	Cont
16	S16SSIRECM	S16SSIRECM:W16 Month started receiving SSI since last wave	Cont

5	R5SSISTPM	R5SSISTPM:W5 Month stopped receiving SSI since last wave	Cont
6	R6SSISTPM	R6SSISTPM:W6 Month stopped receiving SSI since last wave	Cont
7	R7SSISTPM	R7SSISTPM:W7 Month stopped receiving SSI since last wave	Cont
8	R8SSISTPM	R8SSISTPM:W8 Month stopped receiving SSI since last wave	Cont
9	R9SSISTPM	R9SSISTPM:W9 Month stopped receiving SSI since last wave	Cont
10	R10SSISTPM	R10SSISTPM:W10 Month stopped receiving SSI since last wave	Cont
11	R11SSISTPM	R11SSISTPM:W11 Month stopped receiving SSI since last wave	Cont
12	R12SSISTPM	R12SSISTPM:W12 Month stopped receiving SSI since last wave	Cont
13	R13SSISTPM	R13SSISTPM:W13 Month stopped receiving SSI since last wave	Cont
14	R14SSISTPM	R14SSISTPM:W14 Month stopped receiving SSI since last wave	Cont
15	R15SSISTPM	R15SSISTPM:W15 Month stopped receiving SSI since last wave	Cont
16	R16SSISTPM	R16SSISTPM:W16 Month stopped receiving SSI since last wave	Cont

5	S5SSISTPM	S5SSISTPM:W5 Month stopped receiving SSI since last wave	Cont
6	S6SSISTPM	S6SSISTPM:W6 Month stopped receiving SSI since last wave	Cont
7	S7SSISTPM	S7SSISTPM:W7 Month stopped receiving SSI since last wave	Cont
8	S8SSISTPM	S8SSISTPM:W8 Month stopped receiving SSI since last wave	Cont
9	S9SSISTPM	S9SSISTPM:W9 Month stopped receiving SSI since last wave	Cont
10	S10SSISTPM	S10SSISTPM:W10 Month stopped receiving SSI since last wave	Cont
11	S11SSISTPM	S11SSISTPM:W11 Month stopped receiving SSI since last wave	Cont
12	S12SSISTPM	S12SSISTPM:W12 Month stopped receiving SSI since last wave	Cont
13	S13SSISTPM	S13SSISTPM:W13 Month stopped receiving SSI since last wave	Cont
14	S14SSISTPM	S14SSISTPM:W14 Month stopped receiving SSI since last wave	Cont
15	S15SSISTPM	S15SSISTPM:W15 Month stopped receiving SSI since last wave	Cont
16	S16SSISTPM	S16SSISTPM:W16 Month stopped receiving SSI since last wave	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2SSAPP	3348	0.13	0.33	0.0	1.0
R3SSAPP	3508	0.08	0.28	0.0	1.0
R4SSAPP	11400	0.03	0.17	0.0	1.0
S2SSAPP	2352	0.11	0.32	0.0	1.0
S3SSAPP	2459	0.07	0.26	0.0	1.0
S4SSAPP	8095	0.02	0.15	0.0	1.0
R2SSDEN	430	0.63	0.48	0.0	1.0
R3SSDEN	275	0.55	0.50	0.0	1.0
R4SSDEN	288	0.26	0.44	0.0	1.0
S2SSDEN	266	0.61	0.49	0.0	1.0
S3SSDEN	163	0.55	0.50	0.0	1.0
S4SSDEN	183	0.26	0.44	0.0	1.0
R2SSAPL	267	0.53	0.50	0.0	1.0
R3SSAPL	147	0.42	0.50	0.0	1.0
R4SSAPL	75	0.41	0.50	0.0	1.0
S2SSAPL	165	0.51	0.50	0.0	1.0
S3SSAPL	90	0.44	0.50	0.0	1.0
S4SSAPL	48	0.40	0.49	0.0	1.0
R2SSREC	414	0.46	0.50	0.0	1.0
R3SSREC	272	0.45	0.50	0.0	1.0
R4SSREC	282	0.59	0.49	0.0	1.0
S2SSREC	259	0.49	0.50	0.0	1.0
S3SSREC	161	0.47	0.50	0.0	1.0
S4SSREC	177	0.60	0.49	0.0	1.0
R2SSSTP	843	0.05	0.21	0.0	1.0
R3SSSTP	911	0.08	0.27	0.0	1.0
R4SSSTP	792	0.08	0.27	0.0	1.0
S2SSSTP	485	0.06	0.23	0.0	1.0
S3SSSTP	506	0.09	0.28	0.0	1.0
S4SSSTP	448	0.09	0.29	0.0	1.0
R2SSAPPY	410	1993.02	0.92	1986.0	1994.0
R3SSAPPY	302	1994.85	1.74	1973.0	1996.0
R4SSAPPY	328	1996.05	3.75	1960.0	1998.0
S2SSAPPY	256	1993.04	0.87	1986.0	1994.0
S3SSAPPY	178	1994.99	1.06	1990.0	1996.0
S4SSAPPY	207	1995.80	4.50	1960.0	1998.0
R2SSAPLY	139	1993.53	0.85	1986.0	1994.0
R3SSAPLY	62	1995.52	0.67	1993.0	1996.0
R4SSAPLY	29	1997.21	0.73	1995.0	1998.0
S2SSAPLY	81	1993.48	0.61	1991.0	1994.0
S3SSAPLY	40	1995.65	0.53	1994.0	1996.0
S4SSAPLY	17	1997.24	0.83	1995.0	1998.0

R2SSRECY	181	1993.17	1.01	1986.0	1994.0
R3SSRECY	120	1995.23	0.72	1993.0	1996.0
R4SSRECY	171	1996.87	0.86	1993.0	1998.0
S2SSRECY	118	1993.22	0.90	1986.0	1994.0
S3SSRECY	75	1995.31	0.64	1994.0	1996.0
S4SSRECY	111	1996.83	0.77	1994.0	1998.0
R2SSSTPY	31	1993.23	0.72	1992.0	1994.0
R3SSSTPY	63	1994.84	0.72	1994.0	1996.0
R4SSSTPY	57	1996.86	0.69	1996.0	1998.0
S2SSSTPY	24	1993.25	0.74	1992.0	1994.0
S3SSSTPY	39	1994.77	0.67	1994.0	1996.0
S4SSSTPY	34	1996.91	0.71	1996.0	1998.0
R2SSAPPM	365	6.07	3.43	1.0	12.0
R3SSAPPM	279	5.81	3.56	1.0	12.0
R4SSAPPM	295	6.24	3.55	1.0	12.0
S2SSAPPM	234	5.85	3.36	1.0	12.0
S3SSAPPM	165	5.96	3.63	1.0	12.0
S4SSAPPM	187	6.28	3.41	1.0	12.0
R2SSAPLM	121	5.46	3.06	1.0	12.0
R3SSAPLM	61	5.75	2.96	1.0	12.0
R4SSAPLM	29	5.69	3.56	1.0	12.0
S2SSAPLM	68	5.69	3.08	1.0	12.0
S3SSAPLM	39	5.59	2.82	1.0	12.0
S4SSAPLM	17	5.82	3.68	1.0	12.0
R2SSRECM	158	5.93	3.34	1.0	12.0
R3SSRECM	116	6.37	3.58	1.0	12.0
R4SSRECM	171	6.51	3.52	1.0	12.0
S2SSRECM	105	5.88	3.24	1.0	12.0
S3SSRECM	73	6.78	3.64	1.0	12.0
S4SSRECM	111	6.73	3.52	1.0	12.0
R2SSSTPM	27	6.15	4.37	1.0	12.0
R3SSSTPM	63	6.16	3.47	1.0	12.0
R4SSSTPM	55	7.15	3.16	1.0	12.0
S2SSSTPM	21	5.48	4.34	1.0	12.0
S3SSSTPM	39	6.41	3.42	1.0	12.0
S4SSSTPM	33	7.21	3.15	1.0	12.0
R5SDIAPP	6196	0.03	0.17	0.0	1.0
R6SDIAPP	5846	0.03	0.18	0.0	1.0
R7SDIAPP	2919	0.04	0.19	0.0	1.0
R8SDIAPP	5247	0.03	0.17	0.0	1.0
R9SDIAPP	5008	0.03	0.16	0.0	1.0
R10SDIAPP	5552	0.02	0.15	0.0	1.0
R11SDIAPP	6794	0.03	0.18	0.0	1.0
R12SDIAPP	6782	0.03	0.18	0.0	1.0
R13SDIAPP	6610	0.02	0.15	0.0	1.0
R14SDIAPP	6636	0.03	0.16	0.0	1.0
R15SDIAPP	5945	0.02	0.15	0.0	1.0

R16SDIAPP	6599	0.03	0.18	0.0	1.0
S5SDIAPP	3363	0.04	0.18	0.0	1.0
S6SDIAPP	3150	0.04	0.20	0.0	1.0
S7SDIAPP	1699	0.04	0.20	0.0	1.0
S8SDIAPP	2996	0.04	0.18	0.0	1.0
S9SDIAPP	2770	0.03	0.18	0.0	1.0
S10SDIAPP	2968	0.03	0.16	0.0	1.0
S11SDIAPP	3555	0.04	0.19	0.0	1.0
S12SDIAPP	3377	0.04	0.19	0.0	1.0
S13SDIAPP	3224	0.03	0.17	0.0	1.0
S14SDIAPP	3045	0.03	0.16	0.0	1.0
S15SDIAPP	2715	0.02	0.15	0.0	1.0
S16SDIAPP	3529	0.03	0.16	0.0	1.0
R5SDIDEN	242	0.24	0.43	0.0	1.0
R6SDIDEN	294	0.33	0.47	0.0	1.0
R7SDIDEN	136	0.33	0.47	0.0	1.0
R8SDIDEN	283	0.39	0.49	0.0	1.0
R9SDIDEN	210	0.39	0.49	0.0	1.0
R10SDIDEN	190	0.38	0.49	0.0	1.0
R11SDIDEN	354	0.38	0.49	0.0	1.0
R12SDIDEN	342	0.36	0.48	0.0	1.0
R13SDIDEN	274	0.37	0.48	0.0	1.0
R14SDIDEN	310	0.38	0.49	0.0	1.0
R15SDIDEN	230	0.37	0.48	0.0	1.0
R16SDIDEN	395	0.26	0.44	0.0	1.0
S5SDIDEN	160	0.25	0.43	0.0	1.0
S6SDIDEN	205	0.31	0.46	0.0	1.0
S7SDIDEN	90	0.36	0.48	0.0	1.0
S8SDIDEN	188	0.36	0.48	0.0	1.0
S9SDIDEN	145	0.39	0.49	0.0	1.0
S10SDIDEN	115	0.37	0.48	0.0	1.0
S11SDIDEN	197	0.38	0.49	0.0	1.0
S12SDIDEN	196	0.36	0.48	0.0	1.0
S13SDIDEN	145	0.37	0.49	0.0	1.0
S14SDIDEN	141	0.43	0.50	0.0	1.0
S15SDIDEN	110	0.39	0.49	0.0	1.0
S16SDIDEN	158	0.28	0.45	0.0	1.0
R5SDIAPL	57	0.40	0.49	0.0	1.0
R6SDIAPL	89	0.36	0.48	0.0	1.0
R7SDIAPL	45	0.40	0.50	0.0	1.0
R8SDIAPL	104	0.59	0.49	0.0	1.0
R9SDIAPL	74	0.38	0.49	0.0	1.0
R10SDIAPL	68	0.60	0.49	0.0	1.0
R11SDIAPL	127	0.56	0.50	0.0	1.0
R12SDIAPL	120	0.65	0.48	0.0	1.0
R13SDIAPL	98	0.54	0.50	0.0	1.0
R14SDIAPL	112	0.67	0.47	0.0	1.0
R15SDIAPL	85	0.52	0.50	0.0	1.0
R16SDIAPL	96	0.41	0.49	0.0	1.0
S5SDIAPL	38	0.47	0.51	0.0	1.0
S6SDIAPL	60	0.35	0.48	0.0	1.0
S7SDIAPL	32	0.50	0.51	0.0	1.0
S8SDIAPL	63	0.57	0.50	0.0	1.0
S9SDIAPL	53	0.40	0.49	0.0	1.0

S10SDIAPL	38	0.58	0.50	0.0	1.0
S11SDIAPL	72	0.56	0.50	0.0	1.0
S12SDIAPL	69	0.65	0.48	0.0	1.0
S13SDIAPL	52	0.60	0.50	0.0	1.0
S14SDIAPL	57	0.65	0.48	0.0	1.0
S15SDIAPL	42	0.43	0.50	0.0	1.0
S16SDIAPL	42	0.33	0.48	0.0	1.0
R5SDIREC	225	0.48	0.50	0.0	1.0
R6SDIREC	260	0.52	0.50	0.0	1.0
R7SDIREC	128	0.42	0.50	0.0	1.0
R8SDIREC	242	0.43	0.50	0.0	1.0
R9SDIREC	193	0.39	0.49	0.0	1.0
R10SDIREC	174	0.48	0.50	0.0	1.0
R11SDIREC	333	0.44	0.50	0.0	1.0
R12SDIREC	313	0.39	0.49	0.0	1.0
R13SDIREC	248	0.44	0.50	0.0	1.0
R14SDIREC	287	0.41	0.49	0.0	1.0
R15SDIREC	214	0.38	0.49	0.0	1.0
R16SDIREC	315	0.38	0.49	0.0	1.0
S5SDIREC	152	0.47	0.50	0.0	1.0
S6SDIREC	184	0.52	0.50	0.0	1.0
S7SDIREC	84	0.44	0.50	0.0	1.0
S8SDIREC	163	0.44	0.50	0.0	1.0
S9SDIREC	132	0.41	0.49	0.0	1.0
S10SDIREC	103	0.48	0.50	0.0	1.0
S11SDIREC	186	0.41	0.49	0.0	1.0
S12SDIREC	180	0.39	0.49	0.0	1.0
S13SDIREC	133	0.43	0.50	0.0	1.0
S14SDIREC	134	0.38	0.49	0.0	1.0
S15SDIREC	103	0.33	0.47	0.0	1.0
S16SDIREC	130	0.37	0.48	0.0	1.0
R5SDISTP	559	0.11	0.31	0.0	1.0
R6SDISTP	615	0.12	0.32	0.0	1.0
R7SDISTP	421	0.09	0.29	0.0	1.0
R8SDISTP	557	0.03	0.18	0.0	1.0
R9SDISTP	454	0.02	0.15	0.0	1.0
R10SDISTP	417	0.05	0.21	0.0	1.0
R11SDISTP	931	0.02	0.15	0.0	1.0
R12SDISTP	927	0.03	0.16	0.0	1.0
R13SDISTP	832	0.10	0.30	0.0	1.0
R14SDISTP	1046	0.08	0.28	0.0	1.0
R15SDISTP	857	0.09	0.29	0.0	1.0
R16SDISTP	717	0.05	0.22	0.0	1.0
S5SDISTP	357	0.11	0.31	0.0	1.0
S6SDISTP	393	0.11	0.31	0.0	1.0
S7SDISTP	267	0.09	0.29	0.0	1.0
S8SDISTP	335	0.04	0.19	0.0	1.0
S9SDISTP	265	0.03	0.17	0.0	1.0
S10SDISTP	237	0.06	0.24	0.0	1.0
S11SDISTP	440	0.03	0.16	0.0	1.0
S12SDISTP	417	0.03	0.18	0.0	1.0
S13SDISTP	380	0.13	0.33	0.0	1.0
S14SDISTP	425	0.10	0.30	0.0	1.0
S15SDISTP	347	0.09	0.28	0.0	1.0
S16SDISTP	281	0.07	0.25	0.0	1.0

R5SDIAPPY	181	1998.64	2.50	1976.0	2000.0
R6SDIAPPY	203	2000.33	2.55	1982.0	2002.0
R7SDIAPPY	112	2002.38	2.63	1984.0	2004.0
R8SDIAPPY	196	2003.61	4.23	1972.0	2006.0
R9SDIAPPY	150	2005.25	4.88	1978.0	2008.0
R10SDIAPPY	148	2007.98	3.74	1988.0	2010.0
R11SDIAPPY	244	2010.73	2.39	1990.0	2013.0
R12SDIAPPY	244	2012.35	3.14	1986.0	2014.0
R13SDIAPPY	180	2013.92	4.10	1986.0	2017.0
R14SDIAPPY	193	2016.40	3.27	1993.0	2019.0
R15SDIAPPY	149	2017.89	3.46	1999.0	2021.0
R16SDIAPPY	336	2017.33	7.06	1980.0	2023.0
S5SDIAPPY	118	1998.69	2.39	1976.0	2000.0
S6SDIAPPY	142	2000.54	2.28	1984.0	2002.0
S7SDIAPPY	74	2002.45	2.31	1990.0	2004.0
S8SDIAPPY	133	2003.53	4.15	1982.0	2006.0
S9SDIAPPY	107	2005.65	4.01	1985.0	2008.0
S10SDIAPPY	91	2007.81	3.74	1992.0	2010.0
S11SDIAPPY	140	2011.08	1.41	2002.0	2013.0
S12SDIAPPY	130	2012.31	3.23	1986.0	2014.0
S13SDIAPPY	105	2014.52	2.82	1990.0	2017.0
S14SDIAPPY	91	2016.35	3.26	1999.0	2019.0
S15SDIAPPY	74	2017.92	3.34	2001.0	2021.0
S16SDIAPPY	133	2018.13	6.23	1992.0	2023.0
R5SDIAPLY	23	1999.17	1.30	1995.0	2000.0
R6SDIAPLY	33	2000.36	3.77	1981.0	2002.0
R7SDIAPLY	18	2003.61	0.61	2002.0	2004.0
R8SDIAPLY	67	2004.34	3.60	1985.0	2006.0
R9SDIAPLY	35	2006.23	2.26	1998.0	2008.0
R10SDIAPLY	42	2008.71	2.39	1998.0	2011.0
R11SDIAPLY	78	2011.13	1.75	1999.0	2013.0
R12SDIAPLY	79	2013.18	0.96	2009.0	2014.0
R13SDIAPLY	54	2015.20	0.98	2012.0	2017.0
R14SDIAPLY	79	2017.29	0.85	2015.0	2019.0
R15SDIAPLY	43	2019.40	0.82	2017.0	2021.0
R16SDIAPLY	43	2020.16	3.80	1999.0	2023.0
S5SDIAPLY	20	1999.15	1.35	1995.0	2000.0
S6SDIAPLY	21	2001.24	1.04	1999.0	2002.0
S7SDIAPLY	16	2003.63	0.62	2002.0	2004.0
S8SDIAPLY	40	2004.05	4.46	1985.0	2006.0
S9SDIAPLY	24	2006.67	1.46	2002.0	2008.0
S10SDIAPLY	24	2008.38	3.06	1998.0	2011.0
S11SDIAPLY	43	2011.26	1.31	2006.0	2013.0
S12SDIAPLY	44	2013.27	0.73	2011.0	2014.0
S13SDIAPLY	32	2015.09	1.12	2012.0	2017.0
S14SDIAPLY	38	2017.29	0.90	2015.0	2019.0
S15SDIAPLY	17	2019.18	1.01	2017.0	2021.0
S16SDIAPLY	17	2021.00	1.46	2017.0	2023.0
R5SDIRECY	117	1997.98	4.41	1967.0	2000.0
R6SDIRECY	155	2000.22	1.81	1993.0	2002.0
R7SDIRECY	60	2002.20	2.38	1992.0	2004.0
R8SDIRECY	142	2003.40	4.59	1975.0	2006.0
R9SDIRECY	91	2005.53	4.37	1985.0	2008.0
R10SDIRECY	100	2007.64	4.22	1988.0	2010.0

R11SDIRECY	166	2010.71	1.96	1997.0	2013.0
R12SDIRECY	146	2012.26	3.09	1983.0	2014.0
R13SDIRECY	130	2013.83	4.62	1986.0	2017.0
R14SDIRECY	133	2016.10	3.66	1993.0	2019.0
R15SDIRECY	87	2018.07	2.84	2002.0	2021.0
R16SDIRECY	186	2016.39	8.06	1982.0	2023.0
S5SDIRECY	76	1998.42	2.82	1977.0	2000.0
S6SDIRECY	112	2000.40	1.54	1995.0	2002.0
S7SDIRECY	41	2002.05	2.73	1992.0	2004.0
S8SDIRECY	94	2003.33	4.59	1981.0	2006.0
S9SDIRECY	66	2005.35	4.90	1985.0	2008.0
S10SDIRECY	61	2007.49	4.23	1992.0	2010.0
S11SDIRECY	86	2010.87	1.59	2000.0	2013.0
S12SDIRECY	87	2012.45	1.90	2003.0	2014.0
S13SDIRECY	69	2014.45	3.21	1990.0	2017.0
S14SDIRECY	56	2016.66	2.39	2003.0	2019.0
S15SDIRECY	38	2017.74	3.64	2002.0	2021.0
S16SDIRECY	72	2017.68	7.26	1982.0	2023.0
R5SDISTPY	47	1998.74	1.65	1989.0	2000.0
R6SDISTPY	102	1999.25	2.51	1992.0	2002.0
R7SDISTPY	43	2002.42	1.98	1993.0	2004.0
R8SDISTPY	62	2003.27	4.25	1983.0	2006.0
R9SDISTPY	14	2003.43	5.00	1992.0	2008.0
R10SDISTPY	21	2007.76	5.89	1983.0	2011.0
R11SDISTPY	21	2009.90	4.06	1997.0	2012.0
R12SDISTPY	24	2011.92	4.12	1995.0	2014.0
R13SDISTPY	88	2014.51	1.92	2002.0	2017.0
R14SDISTPY	94	2015.29	6.07	1966.0	2019.0
R15SDISTPY	79	2017.52	3.68	2001.0	2020.0
R16SDISTPY	65	2020.34	3.03	2004.0	2023.0
S5SDISTPY	31	1999.03	0.84	1997.0	2000.0
S6SDISTPY	66	1999.36	2.56	1992.0	2002.0
S7SDISTPY	31	2002.13	2.23	1993.0	2004.0
S8SDISTPY	43	2002.88	4.92	1983.0	2006.0
S9SDISTPY	10	2003.50	5.85	1992.0	2008.0
S10SDISTPY	15	2009.13	1.51	2005.0	2011.0
S11SDISTPY	13	2010.08	4.03	1997.0	2012.0
S12SDISTPY	14	2011.14	5.26	1995.0	2014.0
S13SDISTPY	52	2014.21	2.31	2002.0	2016.0
S14SDISTPY	49	2016.12	3.16	2001.0	2019.0
S15SDISTPY	28	2017.64	3.79	2001.0	2020.0
S16SDISTPY	33	2020.91	0.84	2019.0	2022.0
R5SDIAPPM	168	5.76	3.54	1.0	12.0
R6SDIAPPM	179	6.23	3.53	1.0	12.0
R7SDIAPPM	102	6.47	3.51	1.0	12.0
R8SDIAPPM	140	5.66	3.38	1.0	12.0
R9SDIAPPM	104	6.09	3.34	1.0	12.0
R10SDIAPPM	111	6.59	3.27	1.0	12.0
R11SDIAPPM	205	6.23	3.52	1.0	12.0
R12SDIAPPM	190	6.05	3.51	1.0	12.0
R13SDIAPPM	131	6.30	3.17	1.0	12.0
R14SDIAPPM	153	5.95	3.27	1.0	12.0
R15SDIAPPM	110	6.25	3.45	1.0	12.0
R16SDIAPPM	156	5.60	3.32	1.0	12.0

S5SDIAPPM	111	5.95	3.69	1.0	12.0
S6SDIAPPM	127	6.50	3.54	1.0	12.0
S7SDIAPPM	66	6.41	3.36	1.0	12.0
S8SDIAPPM	94	6.15	3.34	1.0	12.0
S9SDIAPPM	76	6.34	3.45	1.0	12.0
S10SDIAPPM	67	6.94	3.45	1.0	12.0
S11SDIAPPM	122	6.02	3.36	1.0	12.0
S12SDIAPPM	102	5.82	3.56	1.0	12.0
S13SDIAPPM	83	6.18	2.99	1.0	12.0
S14SDIAPPM	73	5.77	3.08	1.0	12.0
S15SDIAPPM	55	5.76	3.45	1.0	12.0
S16SDIAPPM	72	5.31	3.04	1.0	12.0
R5SDIAPLM	22	4.77	3.32	1.0	11.0
R6SDIAPLM	26	5.42	2.89	1.0	11.0
R7SDIAPLM	17	4.88	2.62	1.0	10.0
R8SDIAPLM	45	5.73	3.86	1.0	12.0
R9SDIAPLM	21	5.52	2.89	1.0	11.0
R10SDIAPLM	34	5.94	3.58	1.0	12.0
R11SDIAPLM	66	6.65	3.17	1.0	12.0
R12SDIAPLM	67	5.49	3.58	1.0	12.0
R13SDIAPLM	49	5.88	3.40	1.0	11.0
R14SDIAPLM	70	5.91	3.15	1.0	12.0
R15SDIAPLM	36	5.94	3.46	1.0	12.0
R16SDIAPLM	30	5.83	3.89	1.0	12.0
S5SDIAPLM	19	4.89	3.56	1.0	11.0
S6SDIAPLM	16	5.44	2.45	3.0	9.0
S7SDIAPLM	15	4.47	2.50	1.0	10.0
S8SDIAPLM	27	5.11	3.45	1.0	12.0
S9SDIAPLM	15	6.00	2.45	2.0	11.0
S10SDIAPLM	19	6.00	4.01	1.0	12.0
S11SDIAPLM	37	6.73	3.39	1.0	12.0
S12SDIAPLM	37	5.08	3.53	1.0	12.0
S13SDIAPLM	28	6.25	3.63	1.0	11.0
S14SDIAPLM	34	5.18	3.43	1.0	12.0
S15SDIAPLM	14	6.36	3.67	1.0	12.0
S16SDIAPLM	14	5.43	3.98	1.0	12.0
R5SDIRECM	112	5.59	3.52	1.0	12.0
R6SDIRECM	136	6.63	3.25	1.0	12.0
R7SDIRECM	53	6.66	3.56	1.0	12.0
R8SDIRECM	108	6.54	3.56	1.0	12.0
R9SDIRECM	68	6.31	3.91	1.0	12.0
R10SDIRECM	73	5.75	3.18	1.0	12.0
R11SDIRECM	140	6.39	3.38	1.0	12.0
R12SDIRECM	116	5.70	3.42	1.0	12.0
R13SDIRECM	98	5.97	3.47	1.0	12.0
R14SDIRECM	101	6.02	3.35	1.0	12.0
R15SDIRECM	63	6.57	3.55	1.0	12.0
R16SDIRECM	84	5.85	3.33	1.0	12.0
S5SDIRECM	73	5.88	3.61	1.0	12.0
S6SDIRECM	100	6.71	3.34	1.0	12.0
S7SDIRECM	35	6.23	3.46	1.0	12.0
S8SDIRECM	69	6.61	3.58	1.0	12.0
S9SDIRECM	50	6.06	3.70	1.0	12.0
S10SDIRECM	47	5.79	3.36	1.0	12.0
S11SDIRECM	73	6.32	3.37	1.0	12.0

S12SDIRECM	71	5.72	3.50	1.0	12.0
S13SDIRECM	53	6.11	3.46	1.0	12.0
S14SDIRECM	45	5.71	3.22	1.0	12.0
S15SDIRECM	25	6.60	3.62	1.0	12.0
S16SDIRECM	37	5.73	3.51	1.0	12.0
R5SDISTPM	43	6.28	3.97	1.0	12.0
R6SDISTPM	94	6.59	3.55	1.0	12.0
R7SDISTPM	41	6.44	3.51	1.0	12.0
R8SDISTPM	49	5.73	3.45	1.0	11.0
R9SDISTPM	7	5.14	3.72	1.0	10.0
R10SDISTPM	14	5.29	3.02	1.0	10.0
R11SDISTPM	16	6.06	3.51	1.0	12.0
R12SDISTPM	18	6.06	3.47	2.0	12.0
R13SDISTPM	67	6.49	3.99	1.0	12.0
R14SDISTPM	70	6.39	3.47	1.0	12.0
R15SDISTPM	54	6.19	3.46	1.0	12.0
R16SDISTPM	52	6.25	3.87	1.0	12.0
S5SDISTPM	29	5.69	3.87	1.0	12.0
S6SDISTPM	60	6.32	3.40	1.0	12.0
S7SDISTPM	29	6.03	3.71	1.0	12.0
S8SDISTPM	32	6.31	3.20	1.0	11.0
S9SDISTPM	7	5.14	3.72	1.0	10.0
S10SDISTPM	11	4.45	2.73	1.0	8.0
S11SDISTPM	11	5.64	3.59	1.0	12.0
S12SDISTPM	11	6.00	3.82	2.0	12.0
S13SDISTPM	37	6.38	4.02	1.0	12.0
S14SDISTPM	39	6.13	3.68	1.0	12.0
S15SDISTPM	19	5.16	2.99	1.0	12.0
S16SDISTPM	28	6.96	3.82	1.0	12.0
R5SSIAPP	6203	0.01	0.09	0.0	1.0
R6SSIAPP	5856	0.01	0.11	0.0	1.0
R7SSIAPP	2923	0.01	0.11	0.0	1.0
R8SSIAPP	5281	0.01	0.11	0.0	1.0
R9SSIAPP	5032	0.01	0.10	0.0	1.0
R10SSIAPP	5560	0.01	0.11	0.0	1.0
R11SSIAPP	6798	0.02	0.12	0.0	1.0
R12SSIAPP	6800	0.01	0.12	0.0	1.0
R13SSIAPP	6627	0.01	0.11	0.0	1.0
R14SSIAPP	6644	0.01	0.11	0.0	1.0
R15SSIAPP	5958	0.01	0.10	0.0	1.0
R16SSIAPP	12671	0.02	0.12	0.0	1.0
S5SSIAPP	3365	0.01	0.08	0.0	1.0
S6SSIAPP	3156	0.01	0.11	0.0	1.0
S7SSIAPP	1703	0.01	0.11	0.0	1.0
S8SSIAPP	3021	0.01	0.11	0.0	1.0
S9SSIAPP	2782	0.01	0.10	0.0	1.0
S10SSIAPP	2978	0.01	0.11	0.0	1.0
S11SSIAPP	3557	0.02	0.12	0.0	1.0
S12SSIAPP	3389	0.01	0.12	0.0	1.0
S13SSIAPP	3230	0.01	0.11	0.0	1.0
S14SSIAPP	3049	0.01	0.10	0.0	1.0
S15SSIAPP	2724	0.01	0.09	0.0	1.0
S16SSIAPP	6500	0.01	0.10	0.0	1.0
R5SSIDEN	64	0.25	0.44	0.0	1.0

R6SSIDEN	100	0.39	0.49	0.0	1.0
R7SSIDEN	49	0.47	0.50	0.0	1.0
R8SSIDEN	109	0.46	0.50	0.0	1.0
R9SSIDEN	76	0.45	0.50	0.0	1.0
R10SSIDEN	90	0.46	0.50	0.0	1.0
R11SSIDEN	161	0.43	0.50	0.0	1.0
R12SSIDEN	130	0.52	0.50	0.0	1.0
R13SSIDEN	118	0.38	0.49	0.0	1.0
R14SSIDEN	158	0.37	0.49	0.0	1.0
R15SSIDEN	107	0.45	0.50	0.0	1.0
R16SSIDEN	374	0.19	0.39	0.0	1.0
S5SSIDEN	33	0.27	0.45	0.0	1.0
S6SSIDEN	55	0.45	0.50	0.0	1.0
S7SSIDEN	27	0.52	0.51	0.0	1.0
S8SSIDEN	57	0.53	0.50	0.0	1.0
S9SSIDEN	39	0.54	0.51	0.0	1.0
S10SSIDEN	44	0.52	0.51	0.0	1.0
S11SSIDEN	79	0.49	0.50	0.0	1.0
S12SSIDEN	67	0.64	0.48	0.0	1.0
S13SSIDEN	55	0.47	0.50	0.0	1.0
S14SSIDEN	68	0.43	0.50	0.0	1.0
S15SSIDEN	41	0.56	0.50	0.0	1.0
S16SSIDEN	136	0.21	0.41	0.0	1.0
R5SSIAPL	15	0.67	0.49	0.0	1.0
R6SSIAPL	38	0.42	0.50	0.0	1.0
R7SSIAPL	23	0.39	0.50	0.0	1.0
R8SSIAPL	49	0.31	0.47	0.0	1.0
R9SSIAPL	32	0.38	0.49	0.0	1.0
R10SSIAPL	39	0.31	0.47	0.0	1.0
R11SSIAPL	65	0.40	0.49	0.0	1.0
R12SSIAPL	64	0.44	0.50	0.0	1.0
R13SSIAPL	43	0.35	0.48	0.0	1.0
R14SSIAPL	55	0.44	0.50	0.0	1.0
R15SSIAPL	45	0.40	0.50	0.0	1.0
R16SSIAPL	59	0.29	0.46	0.0	1.0
S5SSIAPL	8	0.50	0.53	0.0	1.0
S6SSIAPL	24	0.33	0.48	0.0	1.0
S7SSIAPL	14	0.36	0.50	0.0	1.0
S8SSIAPL	29	0.38	0.49	0.0	1.0
S9SSIAPL	21	0.38	0.50	0.0	1.0
S10SSIAPL	22	0.18	0.39	0.0	1.0
S11SSIAPL	36	0.53	0.51	0.0	1.0
S12SSIAPL	41	0.37	0.49	0.0	1.0
S13SSIAPL	26	0.35	0.49	0.0	1.0
S14SSIAPL	28	0.54	0.51	0.0	1.0
S15SSIAPL	21	0.19	0.40	0.0	1.0
S16SSIAPL	26	0.31	0.47	0.0	1.0
R5SSIREC	58	0.62	0.49	0.0	1.0
R6SSIREC	91	0.35	0.48	0.0	1.0
R7SSIREC	46	0.26	0.44	0.0	1.0
R8SSIREC	99	0.32	0.47	0.0	1.0
R9SSIREC	72	0.39	0.49	0.0	1.0
R10SSIREC	83	0.35	0.48	0.0	1.0
R11SSIREC	151	0.37	0.48	0.0	1.0
R12SSIREC	122	0.25	0.43	0.0	1.0

R13SSIREC	106	0.40	0.49	0.0	1.0
R14SSIREC	146	0.35	0.48	0.0	1.0
R15SSIREC	97	0.31	0.46	0.0	1.0
R16SSIREC	257	0.49	0.50	0.0	1.0
S5SSIREC	30	0.47	0.51	0.0	1.0
S6SSIREC	50	0.24	0.43	0.0	1.0
S7SSIREC	26	0.35	0.49	0.0	1.0
S8SSIREC	54	0.26	0.44	0.0	1.0
S9SSIREC	37	0.35	0.48	0.0	1.0
S10SSIREC	43	0.30	0.46	0.0	1.0
S11SSIREC	75	0.33	0.47	0.0	1.0
S12SSIREC	66	0.17	0.38	0.0	1.0
S13SSIREC	53	0.36	0.48	0.0	1.0
S14SSIREC	65	0.37	0.49	0.0	1.0
S15SSIREC	41	0.22	0.42	0.0	1.0
S16SSIREC	93	0.51	0.50	0.0	1.0
R5SSISTP	322	0.05	0.22	0.0	1.0
R6SSISTP	321	0.10	0.30	0.0	1.0
R7SSISTP	180	0.06	0.24	0.0	1.0
R8SSISTP	298	0.07	0.26	0.0	1.0
R9SSISTP	272	0.07	0.26	0.0	1.0
R10SSISTP	221	0.09	0.29	0.0	1.0
R11SSISTP	499	0.07	0.26	0.0	1.0
R12SSISTP	437	0.07	0.26	0.0	1.0
R13SSISTP	400	0.10	0.30	0.0	1.0
R14SSISTP	521	0.08	0.27	0.0	1.0
R15SSISTP	427	0.06	0.24	0.0	1.0
R16SSISTP	603	0.08	0.27	0.0	1.0
S5SSISTP	89	0.07	0.25	0.0	1.0
S6SSISTP	98	0.10	0.30	0.0	1.0
S7SSISTP	53	0.08	0.27	0.0	1.0
S8SSISTP	97	0.07	0.26	0.0	1.0
S9SSISTP	88	0.09	0.29	0.0	1.0
S10SSISTP	70	0.09	0.28	0.0	1.0
S11SSISTP	176	0.08	0.27	0.0	1.0
S12SSISTP	151	0.09	0.28	0.0	1.0
S13SSISTP	124	0.08	0.27	0.0	1.0
S14SSISTP	157	0.11	0.32	0.0	1.0
S15SSISTP	118	0.08	0.28	0.0	1.0
S16SSISTP	173	0.10	0.31	0.0	1.0
R5SSIAPPY	43	1998.79	1.26	1995.0	2000.0
R6SSIAPPY	70	2000.79	1.71	1992.0	2002.0
R7SSIAPPY	33	2002.15	4.37	1982.0	2004.0
R8SSIAPPY	73	2004.53	1.99	1991.0	2006.0
R9SSIAPPY	46	2006.67	2.78	1989.0	2008.0
R10SSIAPPY	68	2007.75	4.52	1988.0	2011.0
R11SSIAPPY	114	2010.11	3.90	1989.0	2013.0
R12SSIAPPY	95	2012.41	3.14	1987.0	2014.0
R13SSIAPPY	82	2013.66	4.39	1992.0	2017.0
R14SSIAPPY	87	2016.23	3.73	1993.0	2019.0
R15SSIAPPY	59	2017.63	5.68	1982.0	2021.0
R16SSIAPPY	295	2014.14	10.20	1968.0	2023.0
S5SSIAPPY	22	1998.86	1.36	1995.0	2000.0
S6SSIAPPY	40	2000.93	1.91	1992.0	2002.0

S7SSIAPPY	18	2002.00	5.26	1982.0	2004.0
S8SSIAPPY	41	2004.63	2.32	1991.0	2006.0
S9SSIAPPY	26	2006.38	3.66	1989.0	2008.0
S10SSIAPPY	33	2008.67	2.34	1997.0	2011.0
S11SSIAPPY	58	2010.83	1.65	2002.0	2012.0
S12SSIAPPY	47	2012.74	1.19	2007.0	2014.0
S13SSIAPPY	44	2014.16	3.45	1996.0	2017.0
S14SSIAPPY	35	2016.40	2.57	2007.0	2018.0
S15SSIAPPY	24	2018.83	0.92	2017.0	2020.0
S16SSIAPPY	108	2015.19	9.39	1968.0	2023.0
R5SSIAPLY	12	1999.00	0.95	1997.0	2000.0
R6SSIAPLY	15	2001.13	1.06	1999.0	2002.0
R7SSIAPLY	9	2003.78	0.44	2003.0	2004.0
R8SSIAPLY	16	2004.63	2.92	1994.0	2006.0
R9SSIAPLY	12	2006.58	2.23	2000.0	2008.0
R10SSIAPLY	12	2007.75	5.01	1992.0	2010.0
R11SSIAPLY	29	2011.10	2.32	2001.0	2013.0
R12SSIAPLY	32	2012.81	2.47	2000.0	2014.0
R13SSIAPLY	15	2015.13	2.10	2008.0	2017.0
R14SSIAPLY	27	2016.81	2.40	2006.0	2018.0
R15SSIAPLY	19	2018.32	4.23	2001.0	2020.0
R16SSIAPLY	28	2019.43	3.70	2006.0	2022.0
S5SSIAPLY	5	1998.80	1.10	1997.0	2000.0
S6SSIAPLY	9	2001.33	1.12	1999.0	2002.0
S7SSIAPLY	5	2003.60	0.55	2003.0	2004.0
S8SSIAPLY	12	2004.42	3.34	1994.0	2006.0
S9SSIAPLY	7	2007.29	0.49	2007.0	2008.0
S10SSIAPLY	4	2009.25	0.50	2009.0	2010.0
S11SSIAPLY	20	2011.55	1.43	2006.0	2013.0
S12SSIAPLY	17	2013.29	0.77	2012.0	2014.0
S13SSIAPLY	9	2015.33	0.71	2014.0	2016.0
S14SSIAPLY	16	2017.38	0.81	2016.0	2018.0
S15SSIAPLY	6	2016.00	7.38	2001.0	2020.0
S16SSIAPLY	10	2020.60	1.90	2016.0	2022.0
R5SSIRECY	39	1998.31	1.44	1993.0	2000.0
R6SSIRECY	27	1999.85	2.41	1993.0	2002.0
R7SSIRECY	13	2000.62	6.31	1982.0	2004.0
R8SSIRECY	38	2003.47	5.30	1975.0	2006.0
R9SSIRECY	26	2004.42	8.67	1967.0	2008.0
R10SSIRECY	34	2006.76	5.65	1988.0	2010.0
R11SSIRECY	64	2009.94	4.32	1989.0	2012.0
R12SSIRECY	33	2012.21	2.29	2004.0	2014.0
R13SSIRECY	49	2012.86	6.18	1983.0	2016.0
R14SSIRECY	57	2015.61	4.68	1993.0	2018.0
R15SSIRECY	37	2014.11	11.74	1971.0	2020.0
R16SSIRECY	190	2013.01	10.59	1965.0	2023.0
S5SSIRECY	15	1998.13	1.25	1995.0	1999.0
S6SSIRECY	11	2000.00	1.95	1997.0	2002.0
S7SSIRECY	10	2001.00	6.75	1982.0	2004.0
S8SSIRECY	14	2004.29	3.10	1994.0	2006.0
S9SSIRECY	12	2005.75	5.33	1989.0	2008.0
S10SSIRECY	13	2008.85	0.90	2007.0	2010.0
S11SSIRECY	28	2010.32	3.55	1993.0	2012.0
S12SSIRECY	11	2012.91	0.54	2012.0	2014.0
S13SSIRECY	20	2014.75	1.12	2012.0	2016.0

S14SSIRECY	23	2016.39	2.13	2008.0	2018.0
S15SSIRECY	8	2018.88	0.35	2018.0	2019.0
S16SSIRECY	74	2015.58	7.76	1988.0	2023.0
R5SSISTPY	11	1997.91	2.02	1992.0	1999.0
R6SSISTPY	40	1999.95	2.52	1992.0	2002.0
R7SSISTPY	11	2000.55	5.35	1985.0	2004.0
R8SSISTPY	23	2003.96	3.08	1995.0	2006.0
R9SSISTPY	21	2006.10	2.32	1999.0	2008.0
R10SSISTPY	17	2007.59	3.39	1998.0	2010.0
R11SSISTPY	33	2011.12	2.10	2000.0	2012.0
R12SSISTPY	34	2011.59	5.69	1989.0	2014.0
R13SSISTPY	36	2014.33	2.12	2007.0	2017.0
R14SSISTPY	39	2016.15	4.51	1992.0	2019.0
R15SSISTPY	25	2017.04	5.47	1998.0	2020.0
R16SSISTPY	49	2019.22	4.69	1992.0	2022.0
S5SSISTPY	6	1997.33	2.66	1992.0	1999.0
S6SSISTPY	14	1999.64	3.03	1992.0	2002.0
S7SSISTPY	5	1998.20	7.53	1985.0	2003.0
S8SSISTPY	8	2004.38	1.77	2001.0	2006.0
S9SSISTPY	9	2005.56	2.88	1999.0	2008.0
S10SSISTPY	6	2007.17	3.76	2000.0	2010.0
S11SSISTPY	14	2011.57	0.65	2010.0	2012.0
S12SSISTPY	15	2011.27	5.91	1990.0	2014.0
S13SSISTPY	8	2014.50	1.41	2012.0	2016.0
S14SSISTPY	21	2016.62	2.65	2006.0	2019.0
S15SSISTPY	11	2017.27	6.57	1998.0	2020.0
S16SSISTPY	21	2019.71	2.19	2013.0	2022.0
R5SSIAPPM	41	5.61	3.65	1.0	12.0
R6SSIAPPM	63	5.98	3.30	1.0	12.0
R7SSIAPPM	27	5.41	2.96	1.0	12.0
R8SSIAPPM	59	5.98	3.64	1.0	12.0
R9SSIAPPM	42	6.10	3.18	1.0	12.0
R10SSIAPPM	55	6.65	3.12	1.0	12.0
R11SSIAPPM	94	6.04	3.21	1.0	12.0
R12SSIAPPM	79	6.65	3.42	1.0	12.0
R13SSIAPPM	55	5.53	2.99	1.0	12.0
R14SSIAPPM	67	6.22	3.27	1.0	12.0
R15SSIAPPM	47	5.87	3.51	1.0	12.0
R16SSIAPPM	114	5.63	3.46	1.0	12.0
S5SSIAPPM	20	4.95	3.56	1.0	12.0
S6SSIAPPM	35	5.51	3.12	1.0	12.0
S7SSIAPPM	14	5.71	2.33	3.0	12.0
S8SSIAPPM	32	5.56	3.38	1.0	12.0
S9SSIAPPM	24	6.33	3.12	1.0	12.0
S10SSIAPPM	28	6.61	3.05	1.0	12.0
S11SSIAPPM	48	6.10	3.14	1.0	12.0
S12SSIAPPM	41	6.71	3.52	1.0	12.0
S13SSIAPPM	33	6.12	2.88	1.0	12.0
S14SSIAPPM	27	6.07	3.02	1.0	12.0
S15SSIAPPM	20	5.50	3.83	1.0	12.0
S16SSIAPPM	42	5.31	3.33	1.0	12.0
R5SSIAPLM	11	4.27	2.97	1.0	9.0
R6SSIAPLM	10	4.40	3.50	1.0	11.0
R7SSIAPLM	9	6.56	2.55	3.0	10.0

R8SSIAPLM	10	5.60	4.03	2.0	12.0
R9SSIAPLM	8	5.25	4.03	1.0	11.0
R10SSIAPLM	9	5.33	3.54	1.0	12.0
R11SSIAPLM	26	5.54	2.94	1.0	12.0
R12SSIAPLM	27	4.78	3.52	1.0	12.0
R13SSIAPLM	13	6.15	3.44	1.0	11.0
R14SSIAPLM	23	4.87	3.29	1.0	12.0
R15SSIAPLM	15	5.33	2.99	1.0	10.0
R16SSIAPLM	15	5.47	3.68	1.0	11.0
S5SSIAPLM	4	4.00	3.56	1.0	8.0
S6SSIAPLM	6	3.67	3.14	1.0	9.0
S7SSIAPLM	5	5.60	2.88	3.0	10.0
S8SSIAPLM	7	5.71	4.03	2.0	12.0
S9SSIAPLM	6	5.00	3.52	1.0	10.0
S10SSIAPLM	4	5.00	4.97	1.0	12.0
S11SSIAPLM	18	5.11	2.72	1.0	8.0
S12SSIAPLM	16	4.25	3.17	1.0	12.0
S13SSIAPLM	9	6.67	3.32	2.0	11.0
S14SSIAPLM	16	4.69	3.63	1.0	12.0
S15SSIAPLM	5	4.40	3.71	1.0	10.0
S16SSIAPLM	8	5.00	3.12	2.0	9.0
R5SSIRECM	37	6.68	3.57	1.0	12.0
R6SSIRECM	23	6.17	3.50	1.0	12.0
R7SSIRECM	10	4.70	2.58	1.0	8.0
R8SSIRECM	31	5.74	3.78	1.0	12.0
R9SSIRECM	21	5.86	3.82	1.0	12.0
R10SSIRECM	22	6.41	3.28	1.0	12.0
R11SSIRECM	54	5.57	3.52	1.0	12.0
R12SSIRECM	25	6.84	3.53	2.0	12.0
R13SSIRECM	33	6.48	3.38	1.0	12.0
R14SSIRECM	42	5.98	3.63	1.0	12.0
R15SSIRECM	26	5.81	3.10	1.0	11.0
R16SSIRECM	64	5.44	3.37	1.0	12.0
S5SSIRECM	14	8.14	2.57	4.0	12.0
S6SSIRECM	9	5.33	3.39	2.0	10.0
S7SSIRECM	9	4.67	2.74	1.0	8.0
S8SSIRECM	11	5.45	3.91	1.0	11.0
S9SSIRECM	11	6.09	3.51	1.0	11.0
S10SSIRECM	11	6.09	3.30	1.0	10.0
S11SSIRECM	24	6.00	3.54	1.0	12.0
S12SSIRECM	11	8.91	3.39	2.0	12.0
S13SSIRECM	16	7.88	2.80	3.0	12.0
S14SSIRECM	17	6.41	3.10	2.0	12.0
S15SSIRECM	7	4.71	3.68	1.0	11.0
S16SSIRECM	30	5.27	3.41	1.0	12.0
R5SSISTPM	10	7.40	3.84	1.0	12.0
R6SSISTPM	34	5.85	3.25	1.0	12.0
R7SSISTPM	9	7.33	2.69	4.0	12.0
R8SSISTPM	16	6.00	3.43	1.0	12.0
R9SSISTPM	17	7.00	3.84	1.0	12.0
R10SSISTPM	12	7.92	3.15	2.0	12.0
R11SSISTPM	28	5.29	3.40	1.0	12.0
R12SSISTPM	30	6.07	3.22	1.0	12.0
R13SSISTPM	28	6.46	4.03	1.0	12.0
R14SSISTPM	32	5.72	3.65	1.0	12.0

R15SSISTPM	18	4.33	3.56	1.0	12.0
R16SSISTPM	28	6.07	3.59	1.0	12.0
S5SSISTPM	5	6.80	3.70	2.0	11.0
S6SSISTPM	11	5.45	3.80	1.0	12.0
S7SSISTPM	4	7.25	3.40	4.0	12.0
S8SSISTPM	4	6.00	3.37	2.0	10.0
S9SSISTPM	6	6.83	4.45	1.0	12.0
S10SSISTPM	3	9.00	2.00	7.0	11.0
S11SSISTPM	11	5.00	2.57	2.0	10.0
S12SSISTPM	14	6.93	3.60	1.0	12.0
S13SSISTPM	5	7.40	3.71	2.0	12.0
S14SSISTPM	16	5.50	4.15	1.0	12.0
S15SSISTPM	8	3.13	2.70	1.0	8.0
S16SSISTPM	13	7.23	3.90	1.0	12.0

Categorical Variable Codes

RwSSAPP: Applied for SSDI/SSI since last wave

Value	w2	w3	w4
.D=DK/NA	2	2	5
.M=Oth missing	2	2	2
.N=Not disabled	7916	6970	
.P=Date listed before prev.	8	19	27
.Q=Not asked this wv	8115	6932	
.R=RF	8	4	3
.S=Skip,question not asked	139	263	476
.T=New IW/Asked as such	104	291	9471
0.No	2928	3218	11079
1.Yes	420	290	321

SwSSAPP: Applied for SSDI/SSI since last wave

Value	w2	w3	w4
.D=DK/NA	2	1	4
.M=Oth missing	1		
.N=Not disabled	6260	5464	
.P=Date listed before prev.	5	10	18
.Q=Not asked this wv	4245	3523	
.R=RF	3	2	
.S=Skip,question not asked	119	197	342
.T=New IW/Asked as such	103	261	5521
.U=Unmarried	5968	5657	6868
.V=Spouse NR	584	417	536
0.No	2089	2287	7896
1.Yes	263	172	199

RwSSDEN: Denied SSDI/SSI since last wave

Value	w2	w3	w4
.D=DK/NA	9	2	
.M=Oth missing			3
.N=Not disabled	7916	6970	
.Q=Not asked this wv	8115	6932	
.R=RF	7		
.S=Skip,question not asked	3061	3521	11622
.T=New IW/Asked as such	104	291	9471
0.No	161	125	213
1.Yes	269	150	75

SwSSDEN: Denied SSDI/SSI since last wave

Value	w2	w3	w4
.D=DK/NA	9	1	
.M=Oth missing			3
.N=Not disabled	6260	5464	
.Q=Not asked this wv	4245	3523	
.R=RF	3		
.S=Skip,question not asked	2204	2505	8273
.T=New IW/Asked as such	103	261	5521
.U=Unmarried	5968	5657	6868
.V=Spouse NR	584	417	536
0.No	103	73	135
1.Yes	163	90	48

RwSSAPL: Appealed SSDI/SSI decision since last wave

Value	w2	w3	w4
.D=DK/NA	9	3	
.N=Not disabled	7916	6970	
.P=Date listed before prev.	2		
.Q=Not asked this wv	8115	6932	
.R=RF	7		
.S=Skip,question not asked	3222	3648	11838
.T=New IW/Asked as such	104	291	9471
0.No	125	85	44
1.Yes	142	62	31

SwSSAPL: Appealed SSDI/SSI decision since last wave

Value	w2	w3	w4
.D=DK/NA	6		
.N=Not disabled	6260	5464	
.P=Date listed before prev.	1		
.Q=Not asked this wv	4245	3523	
.R=RF	3		
.S=Skip,question not asked	2307	2579	8411
.T=New IW/Asked as such	103	261	5521
.U=Unmarried	5968	5657	6868
.V=Spouse NR	584	417	536
0.No	81	50	29
1.Yes	84	40	19

RwSSREC: Started receiving SSDI/SSI since last wave

Value	w2	w3	w4
.D=DK/NA	21	5	
.M=Oth missing			3
.N=Not disabled	7918	6975	
.P=Date listed before prev.	4		6
.Q=Not asked this wv	8115	6932	
.R=RF	7		
.S=Skip,question not asked	3059	3516	11622
.T=New IW/Asked as such	104	291	9471
0.No	222	150	115
1.Yes	192	122	167

SwSSREC: Started receiving SSDI/SSI since last wave

Value	w2	w3	w4
.D=DK/NA	15	3	
.M=Oth missing			3
.N=Not disabled	6260	5467	
.P=Date listed before prev.	1		6
.Q=Not asked this wv	4245	3523	
.R=RF	3		
.S=Skip,question not asked	2204	2502	8273
.T=New IW/Asked as such	103	261	5521
.U=Unmarried	5968	5657	6868
.V=Spouse NR	584	417	536
0.No	133	86	70
1.Yes	126	75	107

RwSSSTP: Stopped receiving SSDI/SSI since last wave

Value	w2	w3	w4
.C=SSDI converted to SS		13	
.D=DK/NA	2	107	31
.N=Not disabled	7916	6974	
.P=Date listed before prev.		1	
.Q=Not asked this wv	8115	6932	
.R=RF	2	1	1
.S=Skip,question not asked	2660	2761	11089
.T=New IW/Asked as such	104	291	9471
0.No	805	839	727
1.Yes	38	72	65

SwSSSTP: Stopped receiving SSDI/SSI since last wave

Value	w2	w3	w4
.C=SSDI converted to SS		9	
.D=DK/NA	1	65	21
.N=Not disabled	6260	5465	
.Q=Not asked this wv	4245	3523	
.R=RF	1	1	
.S=Skip,question not asked	1995	2087	7990
.T=New IW/Asked as such	103	261	5521
.U=Unmarried	5968	5657	6868
.V=Spouse NR	584	417	536
0.No	458	461	407
1.Yes	27	45	41

RwSDIAPP: Applied for SSDI since last wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Too old							1352	2009	1822	867
.D=DK/NA					11	25	22	27	24	27
.J=Web interview, missing										
.M=Oth missing						8		3	3	1
.N=Not disabled					12347	11962	8629	10867	10122	8979
.P=Date listed before prev.					9	13	7	45	26	15
.R=RF					3	9	2	3		6
.S=Skip,question not asked					742	70	3722	55	69	137
.T=New IW/Asked as such					270	232	3476	213	143	6450
0.No					6012	5646	2810	5093	4879	5417
1.Yes					184	200	109	154	129	135

Value	w11	w12	w13	w14	w15	w16
.A=Too old	876	580	383	293	345	6202
.D=DK/NA	40	46	40	38	38	26
.J=Web interview, missing				7	5	5
.M=Oth missing	2		5	3	15	44
.N=Not disabled	12149	10943	9120	9726	8921	
.P=Date listed before prev.	16	26	31	23	23	135
.R=RF	10	9	9	19	16	10
.S=Skip,question not asked	148	178	147	186	220	
.T=New IW/Asked as such	519	183	4567	215	195	2766
0.No	6560	6556	6456	6461	5813	6375
1.Yes	234	226	154	175	132	224

SwSDIAPP: Applied for SSDI since last wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Too old							549	760	698	323
.D=DK/NA					4	8	10	9	8	7
.J=Web interview, missing										
.M=Oth missing						3		3	2	
.N=Not disabled					8688	8214	6207	7704	6988	6024
.P=Date listed before prev.					4	8	5	30	14	12
.R=RF					1	5	1	1		3
.S=Skip,question not asked					419	36	2012	28	27	69
.T=New IW/Asked as such					251	215	2489	204	139	4107
.U=Unmarried					6537	6306	6777	6417	6206	7797
.V=Spouse NR					311	220	380	317	365	724
0.No					3245	3012	1627	2890	2675	2888
1.Yes					118	138	72	106	95	80

Value	w11	w12	w13	w14	w15	w16
.A=Too old	353	217	116	104	131	3016
.D=DK/NA	16	18	20	15	16	11
.J=Web interview, missing				5	3	3
.M=Oth missing	1		3	1	6	6
.N=Not disabled	8033	7129	5824	5903	5333	
.P=Date listed before prev.	7	14	12	10	12	48
.R=RF	1	3	2	8	6	1
.S=Skip,question not asked	68	82	53	70	80	
.T=New IW/Asked as such	450	172	2525	197	175	1226
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	3420	3257	3130	2963	2649	3436
1.Yes	135	120	94	82	66	93

RwSDIDEN: Denied SSDI since last wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Too old							1352	2009	1822	867
.D=DK/NA					7	5	1	9	3	3
.J=Web interview, missing										
.M=Oth missing					1					
.N=Not disabled					12347	11962	8629	10867	10122	8979
.R=RF						2				2
.S=Skip,question not asked					6711	5670	6535	5088	4917	5543
.T=New IW/Asked as such					270	232	3476	213	143	6450
0.No					183	198	91	172	128	118
1.Yes					59	96	45	111	82	72

Value	w11	w12	w13	w14	w15	w16
.A=Too old	876	580	383	293	345	
.D=DK/NA	8	7	2	14	5	8
.J=Web interview, missing				1		2
.M=Oth missing						
.N=Not disabled	12149	10943	9120	9726	8921	
.R=RF	1			1		4
.S=Skip,question not asked	6647	6692	6566	6586	6027	12612
.T=New IW/Asked as such	519	183	4567	215	195	2766
0.No	219	218	172	191	144	291
1.Yes	135	124	102	119	86	104

SwSDIDEN: Denied SSDI since last wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Too old							549	760	698	323
.D=DK/NA					4	3		7	1	2
.J=Web interview, missing										
.M=Oth missing					1					
.N=Not disabled					8688	8214	6207	7704	6988	6024
.R=RF										1
.S=Skip,question not asked					3626	3002	3637	2872	2675	2941
.T=New IW/Asked as such					251	215	2489	204	139	4107
.U=Unmarried					6537	6306	6777	6417	6206	7797
.V=Spouse NR					311	220	380	317	365	724
0.No					120	141	58	121	89	73
1.Yes					40	64	32	67	56	42

Value	w11	w12	w13	w14	w15	w16
.A=Too old	353	217	116	104	131	
.D=DK/NA	4	3	1	8	2	2
.J=Web interview, missing						1
.M=Oth missing						
.N=Not disabled	8033	7129	5824	5903	5333	
.R=RF						2
.S=Skip,question not asked	3447	3295	3168	3005	2726	6451
.T=New IW/Asked as such	450	172	2525	197	175	1226
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	122	125	91	81	67	113
1.Yes	75	71	54	60	43	45

RwSDIAPL: Appealed SSDI decision since last wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Too old							1352	2009	1822	867
.D=DK/NA						1				
.N=Not disabled					12347	11962	8629	10867	10122	8979
.P=Date listed before prev.					2	6		7	8	4
.S=Skip,question not asked					6902	5875	6627	5269	5048	5666
.T=New IW/Asked as such					270	232	3476	213	143	6450
0.No					34	57	27	43	46	27
1.Yes					23	32	18	61	28	41

Value	w11	w12	w13	w14	w15	w16
.A=Too old	876	580	383	293	345	
.D=DK/NA	1		1			
.N=Not disabled	12149	10943	9120	9726	8921	
.P=Date listed before prev.	7	4	3	7	1	8
.S=Skip,question not asked	6875	6917	6740	6793	6176	12917
.T=New IW/Asked as such	519	183	4567	215	195	2766
0.No	56	42	45	37	41	57
1.Yes	71	78	53	75	44	39

SwSDIAPL: Appealed SSDI decision since last wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Too old							549	760	698	323
.D=DK/NA						1				
.N=Not disabled					8688	8214	6207	7704	6988	6024
.P=Date listed before prev.					2	3		4	3	4
.S=Skip,question not asked					3751	3146	3695	3000	2765	3017
.T=New IW/Asked as such					251	215	2489	204	139	4107
.U=Unmarried					6537	6306	6777	6417	6206	7797
.V=Spouse NR					311	220	380	317	365	724
0.No					20	39	16	27	32	16
1.Yes					18	21	16	36	21	22

Value	w11	w12	w13	w14	w15	w16
.A=Too old	353	217	116	104	131	
.D=DK/NA						
.N=Not disabled	8033	7129	5824	5903	5333	
.P=Date listed before prev.	3	2	2	3	1	3
.S=Skip,question not asked	3573	3423	3260	3094	2795	6569
.T=New IW/Asked as such	450	172	2525	197	175	1226
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	32	24	21	20	24	28
1.Yes	40	45	31	37	18	14

RwSDIREC: Started receiving SSDI since last wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Too old							1352	2009	1822	868
.D=DK/NA					7	6	2	9	3	3
.J=Web interview, missing										
.M=Oth missing					1					
.N=Not disabled					12349	11963	8629	10868	10123	8980
.P=Date listed before prev.					17	32	7	41	17	16
.R=RF						3				2
.S=Skip,question not asked					6709	5669	6535	5087	4916	5541
.T=New IW/Asked as such					270	232	3476	213	143	6450
0.No					117	125	74	137	117	90
1.Yes					108	135	54	105	76	84

Value	w11	w12	w13	w14	w15	w16
.A=Too old	878	580	383	293	346	
.D=DK/NA	7	7	2	15	5	11
.J=Web interview, missing				1		2
.M=Oth missing						
.N=Not disabled	12152	10946	9122	9726	8924	
.P=Date listed before prev.	21	29	26	22	16	77
.R=RF	2			1		4
.S=Skip,question not asked	6642	6689	6564	6586	6023	12612
.T=New IW/Asked as such	519	183	4567	215	195	2766
0.No	187	190	140	170	133	196
1.Yes	146	123	108	117	81	119

SwSDIREC: Started receiving SSDI since last wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Too old							549	760	698	323
.D=DK/NA					4	3	1	7	1	2
.J=Web interview, missing										
.M=Oth missing					1					
.N=Not disabled					8689	8215	6207	7704	6988	6024
.P=Date listed before prev.					8	20	5	25	13	12
.R=RF						1				1
.S=Skip,question not asked					3625	3001	3637	2872	2675	2941
.T=New IW/Asked as such					251	215	2489	204	139	4107
.U=Unmarried					6537	6306	6777	6417	6206	7797
.V=Spouse NR					311	220	380	317	365	724
0.No					80	89	47	91	78	54
1.Yes					72	95	37	72	54	49

Value	w11	w12	w13	w14	w15	w16
.A=Too old	353	217	116	104	131	
.D=DK/NA	3	3	1	8	2	3
.J=Web interview, missing						1
.M=Oth missing						
.N=Not disabled	8033	7131	5826	5903	5334	
.P=Date listed before prev.	11	16	12	7	7	27
.R=RF	1					2
.S=Skip,question not asked	3447	3293	3166	3005	2725	6451
.T=New IW/Asked as such	450	172	2525	197	175	1226
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	110	109	76	83	69	82
1.Yes	76	71	57	51	34	48

RwSDISTP: Stopped receiving SSDI since last wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Too old							1352	2009	1822	867
.C=SSDI converted to SS					178	232	141	265	252	238
.D=DK/NA					52	72	19	40	38	22
.J=Web interview, missing										
.M=Oth missing										
.N=Not disabled					12347	11964	8630	10869	10123	8979
.P=Date listed before prev.					2	43	9	20	6	3
.R=RF					3	3	1	1	1	2
.S=Skip,question not asked					6167	5004	6080	4495	4378	5056
.T=New IW/Asked as such					270	232	3476	213	143	6450
0.No					498	543	383	538	443	398
1.Yes					61	72	38	19	11	19

Value	w11	w12	w13	w14	w15	w16
.A=Too old	876	580	383	293	345	
.C=SSDI converted to SS	226	239	231	244	225	119
.D=DK/NA	59	52	46	100	72	3
.J=Web interview, missing				3	2	
.M=Oth missing						1
.N=Not disabled	12151	10944	9122	9727	8921	
.P=Date listed before prev.	3	4	17	24	19	9
.R=RF	3	4	6	8	8	4
.S=Skip,question not asked	5786	5814	5708	5486	5079	12168
.T=New IW/Asked as such	519	183	4567	215	195	2766

0.No	910	903	748	959	780	681
1.Yes	21	24	84	87	77	36

SwSDISTP: Stopped receiving SSDI since last wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Too old							549	760	698	323
.C=SSDI converted to SS					87	125	68	154	136	129
.D=DK/NA					29	34	9	24	23	12
.J=Web interview, missing										
.M=Oth missing										
.N=Not disabled					8688	8214	6207	7705	6988	6024
.P=Date listed before prev.					1	27	9	15	4	1
.R=RF					2	1			1	2
.S=Skip,question not asked					3315	2630	3374	2538	2392	2678
.T=New IW/Asked as such					251	215	2489	204	139	4107
.U=Unmarried					6537	6306	6777	6417	6206	7797
.V=Spouse NR					311	220	380	317	365	724
0.No					319	351	242	323	257	222
1.Yes					38	42	25	12	8	15

Value	w11	w12	w13	w14	w15	w16
.A=Too old	353	217	116	104	131	
.C=SSDI converted to SS	120	128	104	92	81	44
.D=DK/NA	30	27	26	49	28	1
.J=Web interview, missing				2	1	
.M=Oth missing						1
.N=Not disabled	8033	7129	5825	5903	5333	
.P=Date listed before prev.	2	2	12	11	5	2
.R=RF		2	1	1	3	1
.S=Skip,question not asked	3056	2918	2790	2574	2373	6284
.T=New IW/Asked as such	450	172	2525	197	175	1226
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	428	403	332	383	317	262
1.Yes	12	14	48	42	30	19

RwSSIAPP: Applied for SSI since last wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Too old							1352	2009	1822	867
.D=DK/NA					14	34	24	30	24	33
.J=Web interview, missing										
.M=Oth missing						8		3	3	1
.N=Not disabled					12347	11962	8629	10867	10122	8979
.P=Date listed before prev.					2	3	3	11	2	7
.R=RF										
.S=Skip,question not asked					742	70	3722	55	69	137
.T=New IW/Asked as such					270	232	3476	213	143	6450
0.No					6157	5783	2887	5214	4980	5494
1.Yes					46	73	36	67	52	66

Value	w11	w12	w13	w14	w15	w16
.A=Too old	876	580	383	293	345	
.D=DK/NA	50	55	49	57	54	75
.J=Web interview, missing				7	5	16
.M=Oth missing	2		5	3	15	81
.N=Not disabled	12149	10943	9120	9726	8921	
.P=Date listed before prev.	12	8	14	15	10	161

.R=RF						17
.S=Skip,question not asked	148	178	147	186	220	
.T=New IW/Asked as such	519	183	4567	215	195	2766
0.No	6691	6703	6553	6563	5901	12474
1.Yes	107	97	74	81	57	197

SwSSIAPP: Applied for SSI since last wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Too old							549	760	698	323
.D=DK/NA					5	13	11	10	8	10
.J=Web interview, missing										
.M=Oth missing						3		3	2	
.N=Not disabled					8688	8214	6207	7704	6988	6024
.P=Date listed before prev.					2	2	1	5	2	2
.R=RF										
.S=Skip,question not asked					419	36	2012	28	27	69
.T=New IW/Asked as such					251	215	2489	204	139	4107
.U=Unmarried					6537	6306	6777	6417	6206	7797
.V=Spouse NR					311	220	380	317	365	724
0.No					3341	3116	1683	2982	2754	2944
1.Yes					24	40	20	39	28	34

Value	w11	w12	w13	w14	w15	w16
.A=Too old	353	217	116	104	131	
.D=DK/NA	17	21	22	23	22	26
.J=Web interview, missing				5	3	9
.M=Oth missing	1		3	1	6	18
.N=Not disabled	8033	7129	5824	5903	5333	
.P=Date listed before prev.	5	2	6	6	3	59
.R=RF						2
.S=Skip,question not asked	68	82	53	70	80	
.T=New IW/Asked as such	450	172	2525	197	175	1226
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	3503	3341	3192	3017	2701	6429
1.Yes	54	48	38	32	23	71

RwSSIDEN: Denied SSI since last wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Too old							1352	2009	1822	867
.D=DK/NA					8	8	1	10	4	2
.M=Oth missing										
.N=Not disabled					12347	11962	8629	10867	10122	8979
.R=RF								1	1	1
.S=Skip,question not asked					6889	5863	6622	5260	5049	5645
.T=New IW/Asked as such					270	232	3476	213	143	6450
0.No					48	61	26	59	42	49
1.Yes					16	39	23	50	34	41

Value	w11	w12	w13	w14	w15	w16
.A=Too old	876	580	383	293	345	
.D=DK/NA	9	10	5	12	6	6
.M=Oth missing						1
.N=Not disabled	12149	10943	9120	9726	8921	
.R=RF	2	1	1			4
.S=Skip,question not asked	6838	6900	6718	6742	6149	12636
.T=New IW/Asked as such	519	183	4567	215	195	2766

0.No	91	62	73	99	59	304
1.Yes	70	68	45	59	48	70

SwSSIDEN: Denied SSI since last wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Too old							549	760	698	323
.D=DK/NA					5	3	1	8	2	1
.M=Oth missing										
.N=Not disabled					8688	8214	6207	7704	6988	6024
.R=RF									1	
.S=Skip,question not asked					3753	3152	3699	3002	2779	3014
.T=New IW/Asked as such					251	215	2489	204	139	4107
.U=Unmarried					6537	6306	6777	6417	6206	7797
.V=Spouse NR					311	220	380	317	365	724
0.No					24	30	13	27	18	21
1.Yes					9	25	14	30	21	23

Value	w11	w12	w13	w14	w15	w16
.A=Too old	353	217	116	104	131	
.D=DK/NA	5	5	2	6	4	2
.M=Oth missing						1
.N=Not disabled	8033	7129	5824	5903	5333	
.R=RF	1	1				2
.S=Skip,question not asked	3563	3421	3257	3080	2793	6473
.T=New IW/Asked as such	450	172	2525	197	175	1226
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	40	24	29	39	18	108
1.Yes	39	43	26	29	23	28

RwSSIAPL: Appealed SSI decision since last wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Too old							1352	2009	1822	867
.D=DK/NA										1
.N=Not disabled					12347	11962	8629	10867	10122	8979
.P=Date listed before prev.					2	1		1	2	1
.S=Skip,question not asked					6944	5932	6649	5330	5096	5697
.T=New IW/Asked as such					270	232	3476	213	143	6450
0.No					5	22	14	34	20	27
1.Yes					10	16	9	15	12	12

Value	w11	w12	w13	w14	w15	w16
.A=Too old	876	580	383	293	345	
.D=DK/NA	1		1		1	
.N=Not disabled	12149	10943	9120	9726	8921	
.P=Date listed before prev.	4	4	1	4	2	12
.S=Skip,question not asked	6940	6973	6797	6853	6214	12950
.T=New IW/Asked as such	519	183	4567	215	195	2766
0.No	39	36	28	31	27	42
1.Yes	26	28	15	24	18	17

SwSSIAPL: Appealed SSI decision since last wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Too old							549	760	698	323
.D=DK/NA										1
.N=Not disabled					8688	8214	6207	7704	6988	6024
.P=Date listed before prev.					1	1		1		
.S=Skip,question not asked					3782	3185	3713	3037	2800	3036
.T=New IW/Asked as such					251	215	2489	204	139	4107
.U=Unmarried					6537	6306	6777	6417	6206	7797
.V=Spouse NR					311	220	380	317	365	724
0.No					4	16	9	18	13	18
1.Yes					4	8	5	11	8	4

Value	w11	w12	w13	w14	w15	w16
.A=Too old	353	217	116	104	131	
.D=DK/NA	1					
.N=Not disabled	8033	7129	5824	5903	5333	
.P=Date listed before prev.	2	2		1	2	3
.S=Skip,question not asked	3609	3451	3288	3125	2815	6585
.T=New IW/Asked as such	450	172	2525	197	175	1226
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	17	26	17	13	17	18
1.Yes	19	15	9	15	4	8

RwSSIREC: Started receiving SSI since last wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Too old							1352	2009	1822	868
.D=DK/NA					8	8	1	10	4	2
.M=Oth missing										
.N=Not disabled					12349	11963	8629	10868	10123	8980
.P=Date listed before prev.					6	8	3	10	4	7
.R=RF						1		1	1	1
.S=Skip,question not asked					6887	5862	6622	5259	5048	5643
.T=New IW/Asked as such					270	232	3476	213	143	6450
0.No					22	59	34	67	44	54
1.Yes					36	32	12	32	28	29

Value	w11	w12	w13	w14	w15	w16
.A=Too old	878	580	383	293	346	
.D=DK/NA	10	11	5	13	5	6
.M=Oth missing						2
.N=Not disabled	12152	10946	9122	9726	8924	
.P=Date listed before prev.	9	7	12	11	11	117
.R=RF	2	1	1			4
.S=Skip,question not asked	6833	6897	6716	6742	6145	12635
.T=New IW/Asked as such	519	183	4567	215	195	2766
0.No	95	92	64	95	67	130
1.Yes	56	30	42	51	30	127

SwSSIREC: Started receiving SSI since last wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Too old							549	760	698	323
.D=DK/NA					5	3	1	8	2	1
.M=Oth missing										
.N=Not disabled					8689	8215	6207	7704	6988	6024
.P=Date listed before prev.					3	4	1	3	2	1
.R=RF						1			1	
.S=Skip,question not asked					3752	3151	3699	3002	2779	3014
.T=New IW/Asked as such					251	215	2489	204	139	4107
.U=Unmarried					6537	6306	6777	6417	6206	7797
.V=Spouse NR					311	220	380	317	365	724
0.No					16	38	17	40	24	30
1.Yes					14	12	9	14	13	13

Value	w11	w12	w13	w14	w15	w16
.A=Too old	353	217	116	104	131	
.D=DK/NA	6	5	2	6	4	2
.M=Oth missing						2
.N=Not disabled	8033	7131	5826	5903	5334	
.P=Date listed before prev.	3	1	2	3		43
.R=RF	1	1				2
.S=Skip,question not asked	3563	3419	3255	3080	2792	6472
.T=New IW/Asked as such	450	172	2525	197	175	1226
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	50	55	34	41	32	46
1.Yes	25	11	19	24	9	47

RwSSISTP: Stopped receiving SSI since last wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Too old							1352	2010	1822	867
.D=DK/NA					52	69	21	37	31	17
.J=Web interview, missing										
.M=Oth missing										
.N=Not disabled					12347	11963	8629	10868	10123	8979
.P=Date listed before prev.					1	10	3	5	4	4
.R=RF					2	3	1	2	1	1
.S=Skip,question not asked					6584	5567	6467	5036	4821	5495
.T=New IW/Asked as such					270	232	3476	213	143	6450
0.No					306	289	169	276	252	201
1.Yes					16	32	11	22	20	20

Value	w11	w12	w13	w14	w15	w16
.A=Too old	876	580	383	293	345	
.D=DK/NA	56	44	48	102	78	14
.J=Web interview, missing				1	3	2
.M=Oth missing						8
.N=Not disabled	12150	10944	9123	9727	8921	
.P=Date listed before prev.	2	6	7	7	8	9
.R=RF	3	4	7	7	9	2
.S=Skip,question not asked	6449	6549	6377	6273	5737	12383
.T=New IW/Asked as such	519	183	4567	215	195	2766
0.No	464	405	361	479	402	556
1.Yes	35	32	39	42	25	47

SwSSISTP: Stopped receiving SSI since last wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Too old							549	761	698	323
.D=DK/NA					28	31	9	23	19	9
.J=Web interview, missing										
.M=Oth missing										
.N=Not disabled					8688	8214	6207	7705	6988	6024
.P=Date listed before prev.					1	4	2	3	3	2
.R=RF					1	1			1	1
.S=Skip,question not asked					3672	3076	3663	2942	2710	2977
.T=New IW/Asked as such					251	215	2489	204	139	4107
.U=Unmarried					6537	6306	6777	6417	6206	7797
.V=Spouse NR					311	220	380	317	365	724
0.No					83	88	49	90	80	64
1.Yes					6	10	4	7	8	6

Value	w11	w12	w13	w14	w15	w16
.A=Too old	353	217	116	104	131	
.D=DK/NA	27	26	28	48	31	3
.J=Web interview, missing					1	2
.M=Oth missing						4
.N=Not disabled	8033	7129	5826	5903	5333	
.P=Date listed before prev.		3	2	6	3	5
.R=RF		2	1	1	4	1
.S=Skip,question not asked	3445	3312	3157	2942	2681	6426
.T=New IW/Asked as such	450	172	2525	197	175	1226
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	162	138	114	139	108	155
1.Yes	14	13	10	18	10	18

How Constructed

RwSSAPP, RwSSDEN, RwSSAPL, RwSSREC, and RwSSSTP indicate if the Respondent has applied, been denied, appealed, started to receive, or stopped receiving Social Security Disability Income (SSDI) or Supplemental Security Income (SSI) benefits since last wave. RwSS[stat]Y and RwSS[stat]M provide the year and month the Respondent applied, appealed, started to receive, or stopped receiving SSDI or SSI benefits since last wave. These variables are available in Waves 2H, 3H, and 4 because changes in SSDI and SSI status are asked together for these waves.

RwSDIAPP, RwSDIDEN, RwSDIAPL, RwSDIREC, and RwSDISTP indicate if the Respondent has applied, been denied, appealed, started to receive, or stopped receiving Social Security Disability Income (SSDI) benefits since last wave. RwSDI[stat]Y and RwSDI[stat]M provide the year and month the Respondent applied, appealed, started to receive, or stopped receiving SSDI benefits since last wave. RwSSIAPP, RwSSIDEN, RwSSIAPL, RwSSIREC, and RwSSISTP indicate if the Respondent has applied, been denied, appealed, started to receive, or stopped receiving Supplemental Security Income (SSI) benefits since last wave. RwSSI[stat]Y and RwSSI[stat]M provide the year and month the Respondent applied, appealed, started to receive, or stopped receiving SSI benefits since last wave. These variables are available Waves 5 forward because changes in SSDI and SSI status are asked separately for these waves.

In Waves 2H, 3H, and 4 forward, Respondents are first asked, "Do you have any impairment or health problem that limits the kind or amount of paid work you can do?"

In Waves 2H, 3H, and Waves 5-15, if a Respondent says no, "too old to work," or don't know/refuse, then the questions about change in SSDI and SSI status are not asked and all of the indicator variables are set to .N=not disabled, .A=too old, or .S=skip respectively. In Wave 4, most Respondents are asked the status questions regardless of their response to this question. In Wave 16

(2022), questions about SSDI and SSI status are asked regardless of whether they reported health limits affecting work. Respondents older than age 68 are not asked questions about SSDI, since they would no longer be eligible to receive Social Security disability benefits. Their SSDI application flag is set to .A=too old and the other SSDI variables are set to .S=skip.

In Waves 2H, 3H, 4, and 5, if a Respondent is newly disabled and interviewed by proxy, then the questions about change in SSDI and SSI application status are not asked and all of the indicator variables are set to .S=Skip.

If a preload indicates that a Respondent was receiving SSDI or SSI benefits last wave, they are asked if they are still receiving that benefit.

From Wave 5 forward, if a preload indicates that a Respondent's application for SSDI or SSI benefits was pending last wave, they are asked if they were approved or denied. If denied, they are asked if they appealed the denial. If approved, they are asked if they are still receiving the benefit.

In Waves 2H, 3H, and Waves 4-15, Respondents are asked "Since [last interview] have you applied for disability benefits from any (other) government program?" with SSDI and SSI programs indicated as a possible answer. In Wave 16, Respondents are asked "have you applied for disability benefits from the Social Security Disability Insurance program, also called SSDI?". Following the SSDI item sequence, they are asked "have you applied for disability benefits from the Supplemental Security Income program, also called SSI?". If the Respondent applied to SSDI or SSI since last wave, they are asked if they were approved or denied. If denied, they are asked if they appealed the denial. If approved, they are asked if they are still receiving the benefit.

If a Respondent indicates that they have applied, appealed, started receiving, or stopped receiving SSDI or SSI benefits, the year and month of the status change is asked. If the relevant indicator variable is not 1, .C=SSDI converted to SS, or .P=Date listed before previous IW, then the date variables are set to .S=skip because the date variables were not asked. In cases when the relevant year given is more than two years ago, the month is not asked and is set to .S=Skip. The year and month of a denial is not asked.

If a Respondent provides a date prior to their last interview, then the relevant indicator variable is set to .P= Date listed before previous IW, but the year and month are still captured in the respective date variables.

In Waves 2H, 3H, and 4, if a Respondent does not know the date they applied for SSDI or SSI benefits, then the Respondent is not asked any follow-up questions and RwSSDEN, RwSSAPL, RwSSREC, and RwSSSTP set to .S=Skip.

For new Respondents in a wave, all the variables are set to .T=New IW/Asked as such, since these variables capture change since a previous wave. Wave 4 is the first time that Respondents in the AHEAD Cohort (HACOHORT=1) are asked these questions so most are treated as first-time Respondents and have all of the wave-specific variables set to .T New IW/Asked as such.

From Wave 5 forward, RwSDISTP is set to .C=SSDI converted to SS when the Respondent is at or above normal retirement age and was receiving SSDI but did not indicate they stopped receiving it this wave or if the Respondent indicated that "SSDI has converted to Social Security" when asked if they were still receiving SSDI.

The corresponding Sw[VAR] variables provide this information for the Respondent's spouse or partner.

Note that these variables capture *changes* in the SSDI and SSI Status. For general status information, please refer to RwDSTAT, documented in the section titled "SSDI, SSI Status (Each Wave)".

Cross Wave Differences in Original HRS Data

Since these variables capture changes in status since last wave, there are no Wave 1 variables.

In Wave 2A and 3A, there are no comparable questions, and so for members of the AHEAD cohort, all of the wave-specific variables in this section are set to .Q to indicate that no information is available.

In Waves 2H, 3H, and 4, changes in SSDI and SSI status are asked together.

In Waves 2H, 3H, and 4, if a Respondent's application for SSDI or SSI benefits was pending last wave, there are no follow-up questions. i.e., they are not asked if they were approved or denied, if they appealed, or if they are still receiving the benefit. Therefore, this information is not available to be included into the relevant variables for these waves.

In Wave 3H, RwSSSTP is set to .C=SSDI conv to SS if the Respondent indicated that "SSDI has converted to Social Security" when asked if they were still receiving SSDI or SSI benefits.

From Wave 5 forward, changes in SSDI and SSI status are asked separately.

In Wave 5 only, if a Respondent is newly disabled and interviewed by proxy, then the questions about change in SSDI and SSI application status are not asked and all of the indicator variables are set to .S=Skip.

From Wave 5 forward, RwSDISTP is set to .C=SSDI conv to SS when the Respondent is at or above normal retirement age and reported receiving SSDI but did not indicate they stopped receiving it this wave or if the Respondent indicated that "SSDI has converted to Social Security" when asked if they were still receiving SSDI. In Waves 5-15 Respondents are not asked the month and year their SSDI stopped in these cases so RwSDISTPY and RwSDISTPM are set to .S=Skip. In Wave 8, many Respondents, and in Wave 16, all who indicated that "SSDI has converted to Social Security" were asked these questions and their responses are recorded in RwSDISTPY and RwSDISTPM.

HRS updated the disability question sequence and structure in Wave 16 (2022). The questionnaires in previous waves consisted of several different sets of variables within skip patterns depending on Respondents' disability status and whether they were previously interviewed. In Wave 16, all Respondents, regardless of reported disability status, filtered through one set of variables on SSDI and another set on SSI benefits. Skip patterns were determined based on level of information available from any previously reported data as well as age for SSDI. If reports were in conflict with previous responses or preloads, additional questions could be asked to clarify any application for benefits and current receipt of SSDI and SSI.

HRS Variables Used

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HRS 1994:
    W5200           J1.HEALTH PROBLEM THAT L
    W5259           J18.STILL RECEIVING SSD/
    W5260           J18a.SSD/SSI STOP-MONTH
    W5261           J18b.SSD/SSI STOP-YEAR
    W5268           J23.APPLY FOR OTHER DISA
    W5269           J24.DISABILITY PROGRAM
    W5270           J24.DISABILITY PROGRAM
    W5271           J24.DISABILITY PROGRAM
    W5274           J26a.SSD/SSI APPLY-MONTH
    W5275           J26a1.SSD/SSI APPLY-YEAR
    W5276           J26a2.FIRST APPLY-MONTH
    W5277           J26a3.FIRST APPLY-YEAR
    W5278           J26b.AWARDED SSD/SSI THE
    W5279           J26c.APPEAL/APPLY LATER
    W5280           J26d.SSD/SSI LAST APPLY-
    W5281           J26d1.SSD/SSI LAST APPLY
    W5282           J26e.AWARED SSD/SSI THEN
    W5283           J26f.SSD/SSI START RECEI
    W5284           J26f1.SSD/SSI START RECE
    W5288           J26j.SSD/SSI STILL RECEI
    W5289           J26k.SSD/SSI STOP-MONTH
    W5290           J26k1.SSD/SSI STOP-YEAR
HRS 1996:
    E3507           GD1. HEALTH PROB
    E3580           GD18. RECEIVE SSD/SSI
    E3581           GD18A. SS STOP-MONTH
    E3582           GD18B. SS STOP-YR
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    E3589           GD23. APPLY OTHER DISABILITY
    E3595M1         GD24. DISABILITY PROGRAMS
    E3595M2         GD24. DISABILITY PROGRAMS
    E3595M3         GD24. DISABILITY PROGRAMS
    E3596           GD26A. SS APPLY-MONTH
    E3597           GD26A1. SS APPLY-YR
    E3598           GD26A2. CHECK MONTH
    E3599           GD26A3. CHECK YR
    E3600           GD26B. SS-AWARD THEN
    E3601           GD26C. SS-APPLY AGAIN
    E3602           GD26D. SS-LAST APPLY MONTH
    E3603           GD26D1. SS-LAST APPLY YR
    E3604           GD26E. SS-AWARD THEN
    E3605           GD26F. SS RECEIVE-MONTH
    E3606           GD26F1. SS RECEIVE-YR
    E3614           GD26J. SS-STILL RECEIVING
    E3615           GD26K. SS STOP-MONTH
    E3616           GD26K1. SS STOP-YR
    E370            PREV WAVE INTERV
HRS 1998:
    F4017           GD1. HEALTH PROB
    F4088           GD18. RECEIVE SSD/SSI
    F4089           GD18A. SS STOP-MONTH
    F4090           GD18B. SS STOP-YR
    F4123           GD23. APPLY OTHER DISABILITY
    F4124M1         GD24. DISABILITY PROGRAMS
    F4124M2         GD24. DISABILITY PROGRAMS
    F4124M3         GD24. DISABILITY PROGRAMS
    F4125           GD26A. SS APPLY-MONTH
    F4126           GD26A1. SS APPLY-YR
    F4127           GD26A2. CHECK MONTH
    F4128           GD26A3. CHECK YR
    F4129           GD26B. SS-AWARD THEN
    F4130           GD26C. SS-APPLY AGAIN
    F4131           GD26D. SS-LAST APPLY MONTH
    F4132           GD26D1. SS-LAST APPLY YR
    F4133           GD26E. SSI-AWARD THEN
    F4134           GD26F. SS RECEIVE-MONTH
    F4135           GD26F1. SS RECEIVE-YR
    F4139           GD26J. SS-STILL RECEIVING
    F4140           GD26K. SS STOP-MONTH
    F4141           GD26K1. SS STOP-YR
    F682            PREVIOUS WAVE INTERV
HRS 2000:
    G4307           GD1. HEALTH PROB
    G4373           GD18. RECEIVE SSD/SSI
    G4374           GD18AA. REC`D SSDI BENEFITS
    G4381           GD18AE. SSDI STOP-MONTH
    G4382           GD18AF. SSDI STOP-YR
    G4383           GD18BA. REC`D SSI BENEFITS
    G4387           GD18BE. SSI STOP-MONTH
    G4388           GD18BF. SSI STOP-YR
    G4389           GD18C.PRIOR WAVE APPLIED FOR SSDI/SSI
    G4390           GD18CA. SSDI APPLICATION APPROVED
    G4391           GD18CB. SSDI START-MONTH
    G4392           GD18CC. SSDI START-YEAR
    G4396           GD18CG.STILL RECEIVING SSDI BENEFITS
    G4398           GD18CJ. SSDI STOP-MONTH
    G4399           GD18CK. SSDI STOP-YR
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    G4400           GD18DA. SSDI-APPLY AGAIN
    G4401           GD18DB. SSDI-LAST APPLY MONTH
    G4402           GD18DC. SSDI-LAST APPLY YR
    G4403           GD18DD. SSDI-AWARD THEN
    G4413           GD18EA. SSI APPLICATION APPROVED
    G4414           GD18EB. SSI START-MONTH
    G4415           GD18EC. SSI START-YEAR
    G4416           GD18ED.STILL RECEIVING SSI BENEFITS
    G4418           GD18EF. SSI STOP-MONTH
    G4419           GD18EG. SSI STOP-YR
    G4420           GD18EH. SSI-APPLY AGAIN
    G4421           GD18EJ. SSI-LAST APPLY MONTH
    G4422           GD18EK. SSI-LAST APPLY YR
    G4423           GD18EM. SSI-AWARD THEN
    G4453           GD23. APPLY OTHER DISABILITY
    G4454M1         GD24. DISABILITY PROGRAMS
    G4454M2         GD24. DISABILITY PROGRAMS
    G4454M3         GD24. DISABILITY PROGRAMS
    G4455           GD26A.SSD APPLY-MO
    G4456           GD26A1. SSD APPLY-YR
    G4457           GD26A2.SSD APPLY SINCE PREV WAVE-MO
    G4458           GD26A3.SSD APPL SINCE PREV WAVE-YR
    G4459           GD26B.SSD 1ST APPL STATUS
    G4460           GD26C.SSD WHETHER APPLIED AGAIN
    G4461           GD26D.SSD LAST APPLICATION-MO
    G4462           GD26D1.SSD LAST APPLICATION-YR
    G4463           GD26E.SSD LAST APPLICATION STATUS
    G4464           GD26F.SSD LAST APP BENEFITS START-MO
    G4465           GD26F1.SSD LAST APP BENEFITS START-YR
    G4466           GD26G.SSD-STILL RECEIVING
    G4471           GD26M.SSD BENEFITS STOP-MO
    G4472           GD26M1.SSD BENEFITS STOP-YR
    G4474           GD27A1. SSI APPLY-YR
    G4475           GD27A2. SSI APPLY SINCE PREV WAVE-MO
    G4476           GD27A3. SSI APPLY SINCE PREV WAVE-YR
    G4477           GD27B. SSI-AWARD THEN
    G4478           GD27C. SSI-APPLY AGAIN
    G4479           GD27D. SSI-LAST APPLY MONTH
    G4480           GD27D1. SSI-LAST APPLY YR
    G4481           GD27E. SSI-AWARD THEN
    G4482           GD27F. SSI RECEIVE-MONTH
    G4483           GD27F1. SSI RECEIVE-YR
    G4484           GD27G. SSI-STILL RECEIVING
    G4489           GD27J. SSI STOP-MONTH
    G4490           GD27J1. SSI STOP-YR
    G753            CS22Y30.PREVIOUS WAVE INTERV
HRS 2002:
    HM030F1         HM030F1 STILL RECEIVING SSDI BENEFITS
    HM030F2         HM030F2 STILL RECEIVING SSI BENEFITS
    HM030K1         HM030K1 SSDI STOP-MO
    HM030K2         HM030K2 SSI STOP-MO
    HM030L1         HM030L1 SSDI STOP-YR
    HM030L2         HM030L2 SSI STOP-YR
    HM032A1         HM032A1 SSDI START-MO
    HM032B1         HM032B1 SSDI START-YR
    HM032F1         HM032F1 STILL RECEIVING SSDI BENEFITS
    HM032K1         HM032K1 SSDI STOP-MO
    HM032L1         HM032L1 SSDI STOP-YR
    HM032N          HM032N SSDI-APPLY AGAIN
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    HM032O          HM032O SSDI-LAST APPLY MO
    HM032P          HM032P SSDI-LAST APPLY YR
    HM032Q          HM032Q SSDI-AWARD THEN
    HM033A2         HM033A2 SSI START-MO
    HM033B2         HM033B2 SSI START-YR
    HM033C1         HM033C1 STILL RECEIVING SSI BENEFITS
    HM033H1         HM033H1 SSI STOP-MO
    HM033I1         HM033I1 SSI STOP-YR
    HM033L          HM033L SSI-APPLY AGAIN
    HM033O          HM033O SSI-LAST APPLY YR
    HM033P          HM033P SSI-AWARD THEN
    HM040A          HM040A SSD APPLY-MO
    HM040B          HM040B SSD APPLY-YR
    HM040C          HM040C SSD APPLY SINCE PREV WAVE-MO
    HM040D          HM040D SSD APPLY SINCE PREV WAVE-YR
    HM040E          HM040E SSD 1ST APPL STATUS
    HM040F          HM040F SSDI-APPLY AGAIN
    HM040G          HM040G SSDI-LAST APPLY MO
    HM040H          HM040H SSDI-LAST APPLY YR
    HM040I          HM040I SSDI-AWARD THEN
    HM040J          HM040J SSDI START-MO
    HM040K          HM040K SSDI START-YR
    HM040P          HM040P STILL RECEIVING SSDI BENEFITS
    HM040U          HM040U SSDI STOP-MO
    HM040V          HM040VSSDI STOP-YR
    HM041A          HM041A SSD APPLY-MO
    HM041B          HM041B SSD APPLY-YR
    HM041C          HM041C SSD APPLY SINCE PREV WAVE-MO
    HM041D          HM041D SSD APPLY SINCE PREV WAVE-YR
    HM041F          HM041F SSI-APPLY AGAIN
    HM041G          HM041G SSI-LAST APPLY MO
    HM041H          HM041H SSI-LAST APPLY YR
    HM041I          HM041I SSI-AWARD THEN
    HM041J          HM041J SSI START-MO
    HM041K          HM041K SSI START-YR
    HM041R          HM041R SSI STOP-MO
    HM041S          HM041S SSI STOP-YR
HRS 2022:
    SM241           EVER APPLY FOR SSDI
    SM244           1ST APPLIED SSDI - YR
    SM245           M647 1ST APPLIED SSDI - MO
    SM247           SSDI AWARDED BENEFITS
    SM248           APPEAL OR APPLY AGAIN
    SM249           LAST APPLY YR
    SM250           LAST APPLY MO
    SM252           SSDI BENEFITS START - YR
    SM253           SSDI BENEFITS START - MO
    SM254           SSDI STILL RECEIVING BENEFITS
    SM255           SSDI BENEFITS STOPPED - YEAR
    SM256           SSDI BENEFITS STOPPED - MONTH
    SM263           EVER APPLY FOR SSI
    SM264           SSI FILED W SSDI
    SM265           1ST APPLIED SSI - YR
    SM266           1ST APPLIED SSI - MO
    SM267           SSDI AWARDED BENEFITS
    SM268           SSI APPLY AGAIN
    SM269           SSI LAST APPLY YR
    SM270           SSI LAST APPLY MO
    SM272           SSI BENEFITS START - YR
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    SM273           SSI BENEFITS START - MO
    SM274           SSI STILL RECEIVING BENEFITS
    SM275           SSI BENEFITS STOPPED - YEAR
    SM276           SSI BENEFITS STOPPED - MONTH
HRS 2002-2020:
    xM002           HM002 HEALTH PROB
    xM030           HM030 REC SSDI/SSI/BOTH
    xM031           HM031 PRIOR WAVE APPLIED FOR SSDI/SSI
    xM032           HM032 SSDI APPLICATION APPROVED
    xM033           HM033 SSI APPLICATION APPROVED
    xM036           HM036 APPLY OTR DISABILITY
    xM037M1         HM037M1 DISABILITY PROGRAMS-1
    xM041           HM041 SSI-AWARD THEN
    xM058           HM058 WHICH DISABILITY PROGRAM
HRS 2002-2022:
    xZ076           R EVER INTERVIEWED
HRS 2004-2020:
    xM040           HM040E SSD 1ST APPL STATUS
    xMW233C         HM032A2 SSDI START-MO -2
    xMW233D         HM033A2 SSI START-MO -2
    xMW233I         HM040J SSDI START-MO -3
    xMW233J         SSI START-MO -3
    xMW234C         HM032B2 SSDI START-YR -2
    xMW234D         HM041K SSI START-YR -2
    xMW234I         HM040K SSDI START-YR -3
    xMW234J         SSI START-YR -3
    xMW238A         HM030F1 STILL RECEIVING SSDI BENEFITS -1
    xMW238B         HM030F2 STILL RECEIVING SSI BENEFITS-1
    xMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    xMW238D         HM033C1 STILL RECEIVING SSI BENEFITS -2
    xMW238I         HM040P STILL RECEIVING SSDI BENEFITS -3
    xMW238J         HM041L STILL RECEIVING SSI BENEFITS -3
    xMW243A         HM040U SSDI STOP-MO -1
    xMW243B         HM030K2 SSI STOP-MO -1
    xMW243C         HM032K1 SSDI STOP-MO -2
    xMW243D         HM033H1 SSI STOP-MO -2
    xMW243I         HM032K2 SSDI STOP-MO -3
    xMW243J         HM041R SSI STOP-MO -3
    xMW244A         HM030K1 SSDI STOP-YR
    xMW244B         HM030L2 SSI STOP-YR -1
    xMW244C         HM030L1 SSDI STOP-YR -2
    xMW244D         HM033I1 SSI STOP-YR -2
    xMW244I         HM032L1 SSDI STOP-YR -3
    xMW244J         HM041S SSI STOP-YR -3
    xMW245A         HM040F SSDI-APPLY AGAIN -1
    xMW245B         HM041F SSI-APPLY AGAIN -1
    xMW245C         HM032N SSDI-APPLY AGAIN -2
    xMW245D         HM033L SSI-APPLY AGAIN -2
    xMW246A         HM040G SSDI-LAST APPLY MO -1
    xMW246B         HM041G SSI-LAST APPLY MO -1
    xMW246C         HM032O SSDI-LAST APPLY MO -2
    xMW246D         HM033N SSI-LAST APPLY MO -2
    xMW247A         HM040H SSDI-LAST APPLY YR -1
    xMW247B         HM041H SSI-LAST APPLY YR -1
    xMW247C         HM032P SSDI-LAST APPLY YR -2
    xMW247D         HM033O SSI-LAST APPLY YR -2
    xMW248A         HM040I SSDI-AWARD THEN -1
    xMW248B         HM041I SSI-AWARD THEN -1
    xMW248C         HM032Q SSDI-AWARD THEN -2
```

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xMW248D         HM033P SSI-AWARD THEN -2
xMW249A         HM040A SSD APPLY-MO
xMW249B         HM041A SSI APPLY-MO
xMW250A         HM040B SSD APPLY-YR
xMW250B         HM041B SSI APPLY-YR
xMW251A         HM040C SSD APPLY SINCE PREV WAVE-MO
xMW251B         HM041C SSI APPLY SINCE PREV WAVE-MO
xMW252A         HM040D SSD APPLY SINCE PREV WAVE-YR
xMW252B         HM041D SSI APPLY SINCE PREV WAVE-YR
```

SSDI, SSI Disability Episodes

Wave	Variable	Label	Type
1	RADNEPI	RADNEPI: TOTAL NUMBER OF DISABILITY EPISODES	Categ
1	RADTYPE1	RADTYPE1:E1 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADTYPE2	RADTYPE2:E2 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADTYPE3	RADTYPE3:E3 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADTYPE4	RADTYPE4:E4 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADTYPE5	RADTYPE5:E5 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADTYPE6	RADTYPE6:E6 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADTYPE7	RADTYPE7:E7 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADTYPE8	RADTYPE8:E8 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADTYPE9	RADTYPE9:E9 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADTYPE10	RADTYPE10:E10 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADTYPE11	RADTYPE11:E11 SSDI=1,SSI=2,DK OR BOTH=3	Categ
1	RADSTAT1	RADSTAT1:E1 EPISODE STATUS	Categ
1	RADSTAT2	RADSTAT2:E2 EPISODE STATUS	Categ
1	RADSTAT3	RADSTAT3:E3 EPISODE STATUS	Categ
1	RADSTAT4	RADSTAT4:E4 EPISODE STATUS	Categ
1	RADSTAT5	RADSTAT5:E5 EPISODE STATUS	Categ
1	RADSTAT6	RADSTAT6:E6 EPISODE STATUS	Categ
1	RADSTAT7	RADSTAT7:E7 EPISODE STATUS	Categ
1	RADSTAT8	RADSTAT8:E8 EPISODE STATUS	Categ
1	RADSTAT9	RADSTAT9:E9 EPISODE STATUS	Categ
1	RADSTAT10	RADSTAT10:E10 EPISODE STATUS	Categ
1	RADSTAT11	RADSTAT11:E11 EPISODE STATUS	Categ
1	RADAPPM1	RADAPPM1:E1 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM2	RADAPPM2:E2 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM3	RADAPPM3:E3 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM4	RADAPPM4:E4 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM5	RADAPPM5:E5 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM6	RADAPPM6:E6 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM7	RADAPPM7:E7 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM8	RADAPPM8:E8 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM9	RADAPPM9:E9 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM10	RADAPPM10:E10 MONTH APPLIED SSI/SSDI	Cont

1	RADAPPM11	RADAPPM11:E11 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPY1	RADAPPY1:E1 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY2	RADAPPY2:E2 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY3	RADAPPY3:E3 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY4	RADAPPY4:E4 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY5	RADAPPY5:E5 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY6	RADAPPY6:E6 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY7	RADAPPY7:E7 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY8	RADAPPY8:E8 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY9	RADAPPY9:E9 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY10	RADAPPY10:E10 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY11	RADAPPY11:E11 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPD1	RADAPPD1:E1 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD2	RADAPPD2:E2 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD3	RADAPPD3:E3 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD4	RADAPPD4:E4 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD5	RADAPPD5:E5 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD6	RADAPPD6:E6 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD7	RADAPPD7:E7 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD8	RADAPPD8:E8 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD9	RADAPPD9:E9 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD10	RADAPPD10:E10 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD11	RADAPPD11:E11 DATE APPLIED SSI/SSDI	Cont
1	RADREAM1	RADREAM1:E1 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAM2	RADREAM2:E2 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAM3	RADREAM3:E3 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAM4	RADREAM4:E4 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAM5	RADREAM5:E5 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAM6	RADREAM6:E6 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAM7	RADREAM7:E7 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAM8	RADREAM8:E8 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAM9	RADREAM9:E9 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAM10	RADREAM10:E10 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAM11	RADREAM11:E11 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY1	RADREAY1:E1 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY2	RADREAY2:E2 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont

1	RADREAY3	RADREAY3:E3 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY4	RADREAY4:E4 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY5	RADREAY5:E5 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY6	RADREAY6:E6 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY7	RADREAY7:E7 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY8	RADREAY8:E8 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY9	RADREAY9:E9 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY10	RADREAY10:E10 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY11	RADREAY11:E11 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD1	RADREAD1:E1 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD2	RADREAD2:E2 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD3	RADREAD3:E3 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD4	RADREAD4:E4 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD5	RADREAD5:E5 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD6	RADREAD6:E6 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD7	RADREAD7:E7 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD8	RADREAD8:E8 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD9	RADREAD9:E9 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD10	RADREAD10:E10 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAD11	RADREAD11:E11 DATE REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADRECM1	RADRECM1:E1 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECM2	RADRECM2:E2 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECM3	RADRECM3:E3 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECM4	RADRECM4:E4 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECM5	RADRECM5:E5 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECM6	RADRECM6:E6 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECM7	RADRECM7:E7 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECM8	RADRECM8:E8 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECM9	RADRECM9:E9 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECM10	RADRECM10:E10 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECM11	RADRECM11:E11 MONTH RECEIVED SSI/SSDI	Cont
1	RADRECY1	RADRECY1:E1 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY2	RADRECY2:E2 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY3	RADRECY3:E3 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY4	RADRECY4:E4 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY5	RADRECY5:E5 YEAR RECEIVED SSI/SSDI	Cont

1	RADRECY6	RADRECY6:E6 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY7	RADRECY7:E7 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY8	RADRECY8:E8 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY9	RADRECY9:E9 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY10	RADRECY10:E10 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY11	RADRECY11:E11 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECD1	RADRECD1:E1 DATE RECEIVED SSI/SSDI	Cont
1	RADRECD2	RADRECD2:E2 DATE RECEIVED SSI/SSDI	Cont
1	RADRECD3	RADRECD3:E3 DATE RECEIVED SSI/SSDI	Cont
1	RADRECD4	RADRECD4:E4 DATE RECEIVED SSI/SSDI	Cont
1	RADRECD5	RADRECD5:E5 DATE RECEIVED SSI/SSDI	Cont
1	RADRECD6	RADRECD6:E6 DATE RECEIVED SSI/SSDI	Cont
1	RADRECD7	RADRECD7:E7 DATE RECEIVED SSI/SSDI	Cont
1	RADRECD8	RADRECD8:E8 DATE RECEIVED SSI/SSDI	Cont
1	RADRECD9	RADRECD9:E9 DATE RECEIVED SSI/SSDI	Cont
1	RADRECD10	RADRECD10:E10 DATE RECEIVED SSI/SSDI	Cont
1	RADRECD11	RADRECD11:E11 DATE RECEIVED SSI/SSDI	Cont
1	RADENDM1	RADENDM1:E1 MONTH ENDED SSI/SSDI	Cont
1	RADENDM2	RADENDM2:E2 MONTH ENDED SSI/SSDI	Cont
1	RADENDM3	RADENDM3:E3 MONTH ENDED SSI/SSDI	Cont
1	RADENDM4	RADENDM4:E4 MONTH ENDED SSI/SSDI	Cont
1	RADENDM5	RADENDM5:E5 MONTH ENDED SSI/SSDI	Cont
1	RADENDM6	RADENDM6:E6 MONTH ENDED SSI/SSDI	Cont
1	RADENDM7	RADENDM7:E7 MONTH ENDED SSI/SSDI	Cont
1	RADENDM8	RADENDM8:E8 MONTH ENDED SSI/SSDI	Cont
1	RADENDM9	RADENDM9:E9 MONTH ENDED SSI/SSDI	Cont
1	RADENDM10	RADENDM10:E10 MONTH ENDED SSI/SSDI	Cont
1	RADENDM11	RADENDM11:E11 MONTH ENDED SSI/SSDI	Cont
1	RADENDY1	RADENDY1:E1 YEAR ENDED SSI/SSDI	Cont
1	RADENDY2	RADENDY2:E2 YEAR ENDED SSI/SSDI	Cont
1	RADENDY3	RADENDY3:E3 YEAR ENDED SSI/SSDI	Cont
1	RADENDY4	RADENDY4:E4 YEAR ENDED SSI/SSDI	Cont
1	RADENDY5	RADENDY5:E5 YEAR ENDED SSI/SSDI	Cont
1	RADENDY6	RADENDY6:E6 YEAR ENDED SSI/SSDI	Cont
1	RADENDY7	RADENDY7:E7 YEAR ENDED SSI/SSDI	Cont
1	RADENDY8	RADENDY8:E8 YEAR ENDED SSI/SSDI	Cont

1	RADENDY9	RADENDY9:E9 YEAR ENDED SSI/SSDI	Cont
1	RADENDY10	RADENDY10:E10 YEAR ENDED SSI/SSDI	Cont
1	RADENDY11	RADENDY11:E11 YEAR ENDED SSI/SSDI	Cont
1	RADENDD1	RADENDD1:E1 DATE ENDED SSI/SSDI	Cont
1	RADENDD2	RADENDD2:E2 DATE ENDED SSI/SSDI	Cont
1	RADENDD3	RADENDD3:E3 DATE ENDED SSI/SSDI	Cont
1	RADENDD4	RADENDD4:E4 DATE ENDED SSI/SSDI	Cont
1	RADENDD5	RADENDD5:E5 DATE ENDED SSI/SSDI	Cont
1	RADENDD6	RADENDD6:E6 DATE ENDED SSI/SSDI	Cont
1	RADENDD7	RADENDD7:E7 DATE ENDED SSI/SSDI	Cont
1	RADENDD8	RADENDD8:E8 DATE ENDED SSI/SSDI	Cont
1	RADENDD9	RADENDD9:E9 DATE ENDED SSI/SSDI	Cont
1	RADENDD10	RADENDD10:E10 DATE ENDED SSI/SSDI	Cont
1	RADENDD11	RADENDD11:E11 DATE ENDED SSI/SSDI	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADNEPI	45165	0.28	0.69	0.0	11.0
RADTYPE1	8523	2.49	3.64	1.0	21.0
RADTYPE2	2988	3.94	5.12	1.0	23.0
RADTYPE3	826	4.83	6.52	1.0	23.0
RADTYPE4	281	3.40	4.86	1.0	23.0
RADTYPE5	87	3.14	5.30	1.0	23.0
RADTYPE6	31	1.68	0.48	1.0	2.0
RADTYPE7	15	2.87	5.59	1.0	23.0
RADTYPE8	7	1.71	0.49	1.0	2.0
RADTYPE9	5	1.40	0.55	1.0	2.0
RADTYPE10	4	4.50	5.00	2.0	12.0
RADTYPE11	1	2.00	.	2.0	2.0
RADSTAT1	8523	11.50	23.32	1.0	94.0
RADSTAT2	2988	19.42	33.07	1.0	94.0
RADSTAT3	826	19.50	33.65	1.0	94.0
RADSTAT4	281	16.84	31.36	1.0	94.0

RADSTAT5	87	18.62	32.63	1.0	94.0
RADSTAT6	31	12.97	26.71	1.0	94.0
RADSTAT7	15	15.73	31.24	1.0	94.0
RADSTAT8	7	16.86	32.74	1.0	91.0
RADSTAT9	5	2.80	2.17	1.0	6.0
RADSTAT10	4	2.50	1.73	1.0	4.0
RADSTAT11	1	91.00	.	91.0	91.0
RADAPPM1	4290	5.85	3.48	1.0	12.0
RADAPPM2	1343	5.81	3.41	1.0	12.0
RADAPPM3	376	5.99	3.47	1.0	12.0
RADAPPM4	108	6.09	3.32	1.0	12.0
RADAPPM5	35	6.31	3.53	1.0	12.0
RADAPPM6	16	6.00	3.48	1.0	12.0
RADAPPM7	7	4.71	2.50	1.0	8.0
RADAPPM8	1	4.00	.	4.0	4.0
RADAPPM9	2	3.50	0.71	3.0	4.0
RADAPPM10	3	6.33	2.89	3.0	8.0
RADAPPM11	1	8.00	.	8.0	8.0
RADAPPY1	7947	1999.60	12.70	1940.0	2023.0
RADAPPY2	2540	2002.54	10.63	1956.0	2023.0
RADAPPY3	722	2004.81	10.16	1968.0	2023.0
RADAPPY4	235	2006.09	9.54	1972.0	2022.0
RADAPPY5	76	2006.78	9.11	1978.0	2022.0
RADAPPY6	28	2007.93	9.46	1989.0	2021.0
RADAPPY7	13	2006.08	8.98	1995.0	2020.0
RADAPPY8	4	2003.25	3.30	2000.0	2007.0
RADAPPY9	4	2007.25	7.59	1997.0	2015.0
RADAPPY10	3	2011.33	3.21	2009.0	2015.0
RADAPPY11	1	2009.00	.	2009.0	2009.0
RADAPPD1	8523	14428.99	4755.21	-7415.0	23299.0

RADAPPD2	2986	15691.79	4067.32	-3357.0	23237.0
RADAPPD3	826	16471.13	3779.06	220.0	23026.0
RADAPPD4	281	17037.18	3655.78	4398.0	22904.0
RADAPPD5	87	16890.62	3795.24	4851.0	22812.0
RADAPPD6	31	17506.52	3312.03	10782.0	22379.0
RADAPPD7	15	16851.13	3056.37	12973.0	22082.0
RADAPPD8	7	15981.86	885.96	14712.0	17272.0
RADAPPD9	5	16741.80	2751.55	13704.0	20163.0
RADAPPD10	4	16672.25	4589.83	9918.0	20163.0
RADAPPD11	1	18125.00	.	18125.0	18125.0
RADREAM1	1098	5.84	3.30	1.0	12.0
RADREAM2	310	5.62	3.30	1.0	12.0
RADREAM3	89	5.39	3.22	1.0	12.0
RADREAM4	32	6.44	3.73	1.0	12.0
RADREAM5	4	7.25	3.30	5.0	12.0
RADREAM6	7	3.43	2.64	1.0	9.0
RADREAM7	1	2.00	.	2.0	2.0
RADREAM8	1	7.00	.	7.0	7.0
RADREAM9	1	7.00	.	7.0	7.0
RADREAY1	1942	2000.46	11.51	1958.0	2023.0
RADREAY2	510	2004.81	10.02	1968.0	2023.0
RADREAY3	146	2007.91	9.51	1977.0	2022.0
RADREAY4	47	2011.32	7.45	1990.0	2022.0
RADREAY5	8	2013.25	4.83	2007.0	2020.0
RADREAY6	9	2011.89	9.51	1992.0	2022.0
RADREAY7	2	2001.00	4.24	1998.0	2004.0
RADREAY8	1	2007.00	.	2007.0	2007.0
RADREAY9	1	2007.00	.	2007.0	2007.0
RADREAD1	1932	14622.63	4190.87	-715.0	23299.0

RADREAD2	483	16228.99	3692.08	3068.0	23200.0
RADREAD3	134	17421.89	3606.27	6399.0	22965.0
RADREAD4	44	18936.30	2819.76	11147.0	22904.0
RADREAD5	11	19239.18	1948.50	15576.0	22112.0
RADREAD6	8	19324.75	3600.73	11834.0	22661.0
RADREAD7	4	14991.50	1012.54	14069.0	16116.0
RADREAD8	1	17363.00	.	17363.0	17363.0
RADREAD9	2	15784.00	2233.04	14205.0	17363.0
RADRECM1	2668	6.06	3.50	1.0	12.0
RADRECM2	659	5.97	3.65	1.0	12.0
RADRECM3	191	6.16	3.62	1.0	12.0
RADRECM4	52	6.48	3.56	1.0	12.0
RADRECM5	16	7.13	3.44	1.0	12.0
RADRECM6	5	6.40	2.61	4.0	10.0
RADRECM7	3	8.00	2.00	6.0	10.0
RADRECM10	1	8.00	.	8.0	8.0
RADRECY1	4551	1999.12	12.97	1940.0	2023.0
RADRECY2	1298	2002.39	11.08	1958.0	2023.0
RADRECY3	314	2004.21	10.37	1971.0	2022.0
RADRECY4	97	2006.54	10.74	1973.0	2023.0
RADRECY5	28	2006.68	11.50	1975.0	2022.0
RADRECY6	7	2006.43	10.66	1992.0	2021.0
RADRECY7	3	2006.67	10.07	1996.0	2016.0
RADRECY8	1	2000.00	.	2000.0	2000.0
RADRECY9	1	2010.00	.	2010.0	2010.0
RADRECY10	1	2009.00	.	2009.0	2009.0
RADRECD1	5631	14826.57	4614.95	-7028.0	23330.0
RADRECD2	1619	15860.38	3932.64	-656.0	23184.0
RADRECD3	417	16647.00	3678.60	4033.0	22873.0
RADRECD4	119	17455.21	3746.69	4764.0	23026.0

RADRECD5	35	17529.09	3879.50	5668.0	22873.0
RADRECD6	9	17832.11	3604.36	11878.0	22393.0
RADRECD7	5	19082.00	3579.11	13438.0	22111.0
RADRECD8	2	18561.00	5194.41	14888.0	22234.0
RADRECD9	1	18540.00	.	18540.0	18540.0
RADRECD10	2	18313.00	254.56	18133.0	18493.0
RADENDM1	754	5.98	3.49	1.0	12.0
RADENDM2	217	6.30	3.67	1.0	12.0
RADENDM3	56	6.91	3.50	1.0	12.0
RADENDM4	13	5.15	3.98	1.0	12.0
RADENDM5	2	6.00	2.83	4.0	8.0
RADENDM6	2	2.50	2.12	1.0	4.0
RADENDY1	1015	2003.08	12.79	1918.0	2023.0
RADENDY2	317	2007.57	9.57	1973.0	2023.0
RADENDY3	69	2010.22	7.91	1992.0	2022.0
RADENDY4	17	2010.59	7.58	1992.0	2018.0
RADENDY5	4	2014.00	7.16	2004.0	2021.0
RADENDY6	2	2019.50	2.12	2018.0	2021.0
RADENDD1	1385	15811.69	4328.54	-15113.0	23330.0
RADENDD2	387	17270.40	3236.29	5026.0	23200.0
RADENDD3	94	18118.12	2739.79	11878.0	22508.0
RADENDD4	24	18329.83	2671.82	11878.0	21358.0
RADENDD5	5	18250.60	2566.27	14800.0	20682.0
RADENDD6	1	21200.00	.	21200.0	21200.0
RADENDD7	1	15013.00	.	15013.0	15013.0

Categorical Variable Codes

RADNEPI: TOTAL NUMBER OF DISABILITY EPISODES

Value	
0	36642
1	5535
2	2162
3	545
4	194
5	56
6	16
7	8
8	2
9	1
10	3
11	1

RADTYPE1: 1 SSDI=1,SSI=2,DK OR BOTH=3

Value	
1.SSDI	5200
2.SSI	651
3.SSDI and/or SSI-DK which	2128
12.Applied SSDI => SSI	339
21.Applied SSI => SSDI	205

RADTYPE2: 2 SSDI=1,SSI=2,DK OR BOTH=3

Value	
1.SSDI	697
2.SSI	1483
3.SSDI and/or SSI-DK which	338
12.Applied SSDI => SSI	52
13.Applied SSDI => Both	302
21.Applied SSI => SSDI	55
23.Applied SSI => Both	61

RADTYPE3: 3 SSDI=1,SSI=2,DK OR BOTH=3

Value	
1.SSDI	323
2.SSI	278
3.SSDI and/or SSI-DK which	41
12.Applied SSDI => SSI	12
13.Applied SSDI => Both	110
21.Applied SSI => SSDI	6
23.Applied SSI => Both	56

RADTYPE4: 4 SSDI=1,SSI=2,DK OR BOTH=3

Value	
1.SSDI	78
2.SSI	163
3.SSDI and/or SSI-DK which	6
12.Applied SSDI => SSI	4
13.Applied SSDI => Both	20
21.Applied SSI => SSDI	2
23.Applied SSI => Both	8

RADTYPE5: 5 SSDI=1,SSI=2,DK OR BOTH=3

Value	
1.SSDI	37
2.SSI	42
13.Applied SSDI => Both	3
21.Applied SSI => SSDI	1
23.Applied SSI => Both	4

RADTYPE6: 6 SSDI=1,SSI=2,DK OR BOTH=3

Value	
1.SSDI	10
2.SSI	21

RADTYPE7: 7 SSDI=1,SSI=2,DK OR BOTH=3

Value	
1.SSDI	8
2.SSI	6
23.Applied SSI => Both	1

RADTYPE8: 8 SSDI=1,SSI=2,DK OR BOTH=3

Value	
1.SSDI	2
2.SSI	5

RADTYPE9: 9 SSDI=1,SSI=2,DK OR BOTH=3

Value	
1.SSDI	3
2.SSI	2

RADTYPE10: 10 SSDI=1,SSI=2,DK OR BOTH=3

Value	
2.SSI	3
12.Applied SSDI => SSI	1

RADTYPE11: 11 SSDI=1,SSI=2,DK OR BOTH=3

Value	
2.SSI	1

RADSTAT1: 1 EPISODE STATUS

Value	
1.Applied	629
2.Reapplied/Appealed	66
4.Receiving Benefits	3733
5.Stopped receiving benefit	1409
6.Not Awarded Benefits	1729
7.Rejected	232
61.Stop recv from apply	9
62.Stop recv from appeal	1
66.Stop recv from not award	18
74.Receives then denies	170
91.Beg new/no end prv apply	176
92.Beg new/no end prv appea	38
94.Beg new/no end prv recv	313

RADSTAT2: 2 EPISODE STATUS

Value	
1.Applied	455
2.Reapplied/Appealed	21
4.Receiving Benefits	942
5.Stopped receiving benefit	382
6.Not Awarded Benefits	455
7.Rejected	206
61.Stop recv from apply	11
62.Stop recv from appeal	2
66.Stop recv from not award	14
74.Receives then denies	21
91.Beg new/no end prv apply	194
92.Beg new/no end prv appea	21
94.Beg new/no end prv recv	264

RADSTAT3: 3 EPISODE STATUS

Value	
1.Applied	174
2.Reapplied/Appealed	7
4.Receiving Benefits	239
5.Stopped receiving benefit	97
6.Not Awarded Benefits	145
7.Rejected	16
61.Stop recv from apply	1
66.Stop recv from not award	1
74.Receives then denies	8
91.Beg new/no end prv apply	63
92.Beg new/no end prv appea	1
94.Beg new/no end prv recv	74

RADSTAT4: 4 EPISODE STATUS

Value	
1.Applied	69
2.Reapplied/Appealed	3
4.Receiving Benefits	79
5.Stopped receiving benefit	24
6.Not Awarded Benefits	61
7.Rejected	3
74.Receives then denies	2
91.Beg new/no end prv apply	21
92.Beg new/no end prv appea	5
94.Beg new/no end prv recv	14

RADSTAT5: 5 EPISODE STATUS

Value	
1.Applied	20
4.Receiving Benefits	23
5.Stopped receiving benefit	5
6.Not Awarded Benefits	22
7.Rejected	2
62.Stop recv from appeal	1
74.Receives then denies	1
91.Beg new/no end prv apply	7
94.Beg new/no end prv recv	6

RADSTAT6: 6 EPISODE STATUS

Value	
1.Applied	7
4.Receiving Benefits	5
5.Stopped receiving benefit	2
6.Not Awarded Benefits	12
7.Rejected	2
91.Beg new/no end prv apply	1
94.Beg new/no end prv recv	2

RADSTAT7: 7 EPISODE STATUS

Value	
1.Applied	4
4.Receiving Benefits	3
5.Stopped receiving benefit	1
6.Not Awarded Benefits	5
91.Beg new/no end prv apply	1
94.Beg new/no end prv recv	1

RADSTAT8: 8 EPISODE STATUS

Value	
1.Applied	1
4.Receiving Benefits	2
6.Not Awarded Benefits	3
91.Beg new/no end prv apply	1

RADSTAT9: 9 EPISODE STATUS

Value	
1.Applied	2
2.Reapplied/Appealed	1
4.Receiving Benefits	1
6.Not Awarded Benefits	1

RADSTAT10: 10 EPISODE STATUS

Value	
1.Applied	2
4.Receiving Benefits	2

RADSTAT11: 11 EPISODE STATUS

Value	
91.Beg new/no end prv apply	1

How Constructed

These variables present information about multiple Social Security Disability Insurance (SSDI) and Supplemental Security Income (SSI) disability applications and receipt from all waves of data. A person may apply for SSDI or SSI (or both) multiple times. Each application process is considered a new episode. RADNEPI counts the total number of disability episodes. The other episode variables have suffixes indicating to which episode the information applies. For example, RADSTAT2 gives the status of episode two or the second application seen in the data, and RADAPPY2 gives the year that application was made.

RADTYPEn indicates whether episode "n" involves SSDI or SSI. If the program type is ambiguous, RADTYPEn is given a value of 3, "SSDI and/or SSI-DK which." In these cases, it may be that the episode involves either or both programs. Before Wave 5, questions about SSDI and SSI are combined. From Wave 5 forward, the programs are treated separately. If an episode is active at Wave 5 or beyond, the type of application may be determined. However, after Wave 5, there may be inconsistencies in the program from which the Respondent receives benefits. For instance, the Respondent may report receiving benefits from SSDI in Wave 5, then in Wave 6 report that they continue to receive benefits, but from SSI. In these cases, RADTYPEn is set to indicate the ambiguity.

RADSTATn indicates the status of episode "n," and expected statuses are: applied, re-applied or appealed, not awarded, receiving, and stopped receiving. Normally, the status of an episode will be receiving, stopped receiving, or not awarded. If the status is applied or re-applied/appealed, the Respondent has not yet reported whether the benefits will be awarded. An episode is considered active if the status is any status except "stopped receiving."

Because of the ambiguity of the question in early waves, a status of "not awarded" does not necessarily mean that the application has been rejected. Information in subsequent waves may inform this status. If a Respondent denies receiving benefits in the current wave and had not reported receiving benefits in the previous wave, we assume the application was rejected (RADSTATn=7). Similarly if the Respondent states they do not receive benefits but had not previously reported being awarded them, it is assumed that the application was rejected, but with a different status, as there is the possibility benefits were received for a short time (RADSTATn=61, 62, 66). If a Respondent denies receiving benefits, and had previously reported that benefits had stopped, the denial confirms the prior situation and the status remains as is. However, if the stop is reported without having ever reported receiving, it is assumed that the application was rejected, i.e., that benefits were never received.

In some cases an episode is unresolved, e.g., there is an active episode, but the thread is dropped. That is, either no information about whether the Respondent is still receiving benefits is given and a new application is begun, or a Respondent indicates having active episodes for both programs, but at the next wave indicates only one. These episodes are given an illogical ending status that indicates what the status was when the thread was dropped (RADSTATn=91, 92, 94).

In some cases it is possible that the appropriate follow-up questions at the next interview are not asked, and the episode is thus left somewhat in limbo. These episodes may appear as still active since no further activity is observed. In particular, it is likely that most episodes with a "not awarded" status are rejected applications.

Dates of application, appeal or re-application, receipt, and end of benefits are provided as month and year, and as SAS dates. The month and year variables are set to the values as reported in the raw data, with missing codes recoded to SAS special missings (.D, .R, .M). The SAS date reflects the given month, if not missing, but is logically imputed if the month or year is missing. As the data are processed, lower and upper bounds for the period when an event may have occurred are kept. For example, if the receive month is missing, but an application month is not, the lower bound would be the application month and the upper bound the interview date. The SAS date is the midpoint between the lower and upper bounds.

In some cases the specific months given indicate an illogical order of events, e.g., an application after the benefits begin. We do not attempt to "correct" these illogical sequences.

RADAPPMn and RADAPPYn are the month and year of application for episode "n." RADAPPDn is the imputed SAS date for the application. RADREAMn and RADREAYn are the month and year of appeal or re-application for episode "n." RADREADn is the imputed SAS date for the appeal or re-application. RADRECMn and RADRECYn are the month and year when benefits begin for episode "n." RADRECDn is the imputed SAS date for first receipt of benefits. RADENDMn and RADENDYn are the month and year when benefits stop for episode "n." RADENDDn is the imputed SAS date for when benefits stop.

Spouse variables are not included. There are many variables, and data are rarely populated for both members of a household. We also do not include the lower and upper bound variables. If you have a need for spouse versions of these variables, or for the lower and upper bound dates, please contact us.

See the introduction section "Social Security and SSI Disability Episodes" for further descriptions of how these variables are derived.

Cross Wave Differences in Original HRS Data

The Disability section of the HRS asks questions about whether the Respondent has applied for disability benefits from Social Security Disability Insurance (SSDI) or Supplemental Security Income (SSI) in every wave. Before Wave 5, the questions ask about the two programs together. From Wave 5 forward, the questions ask about the programs separately.

The general sequence of questions asks whether the Respondent has applied for SSDI/SSI, and if so, when they first applied and whether the application was approved. If the application was not approved, questions ask if the Respondent appealed or re-applied, and if so, when and whether this was approved. If either the initial or re-application was approved, questions ask when the Respondent started receiving benefits, whether they are still receiving benefits, and if not, when the benefits stopped. Dates are collected as month and year. There are variations on this sequence over time, and the sequence can occur across interviews. For example, a Respondent could apply between Waves 2 and 3, be approved and begin receiving benefits between Waves 3 and 4, and stop receiving benefits between Waves 5 and 6.

In Waves 2A and 3A, questions about disability benefits were not asked due to the older ages of the AHEAD entry cohort. In other waves, there are variations on the general sequence of questions.

In Wave 1, the question asks if the Respondent has ever applied for SSDI or SSI. In Waves 2H, 3H and 4, it asks if the Respondent has applied for disability benefits from any government program since the last interview (or ever if it is the first interview) and if yes, asks which programs with SSDI and SSI presented as one choice. In Wave 5, the wording is the same but applications to SSDI and SSI are separate choices. In Waves 6-15, SSDI and SSI are presented as one choice but if indicated, a follow-up question asks which program. In Wave 16, application to SSDI and SSI benefits are asked in two different questions. From Wave 5 forward, a Respondent may report applying to one or the other or both.

Through Wave 15, if the Respondent applied, the first month of application is asked. From Wave 2 forward, if that month is before the prior interview, the Respondent is asked for the first month of application since the last interview. If no application was made since the last interview, the rest of the sequence of questions is skipped. In Wave 16, the benefit sequence continues even if the reported application date precedes the last interview.

If the Respondent has applied or re-applied for SSDI/SSI, a question asks about the status of the application. In Waves 1, 2, and 3H, the wording of this question is, "Were you awarded benefits then?" In Waves 4-15, the wording is more specific for new applications: "Was your application accepted, rejected, or is it still being considered?" In Wave 16, anyone who reported receiving benefits in a previous or current wave are asked, "Are you still receiving these benefits?". For those who had applied in a prior wave but had not heard, the question first states that according to the records, the Respondent had applied. In most waves, the question continues, "Was your [SSDI/SSI] application approved?". In Wave 16, anyone who reported applying or re-applying in a prior or current wave are asked, "Was that application accepted, rejected, or is it still being considered?".

Those who apply for SSDI/SSI at one wave and are still receiving benefits can be asked questions at the subsequent interview.

In Waves 2H and 3H, it appears that everyone who applied for SSDI/SSI at the previous interview is asked if they are still receiving benefits, whether or not they were awarded at that earlier time. From Wave 4 forward, questions on whether the Respondent is still receiving benefits are asked only of those who have a preload value indicating that they were receiving benefits at the previous interview. From Wave 3H forward, the Respondent may deny receiving benefits at the previous interview.

From Wave 5 forward, if preload values indicate that the Respondent was receiving benefits at the prior interview, the type of program is collected, and then questions ask if the Respondent is still receiving benefits. In Wave 5 only, the month first received is also collected regardless of whether the Respondent is still receiving benefits or not. Beginning in Wave 7, the type of program also includes SSDI benefits that have converted to Social Security, and the survey asks the month and year the SSDI benefits stopped. Wave 16 asks about SSDI and SSI benefits separately from the beginning of each question series rather than including a question about which type of program.

Beginning in Wave 3H, someone who applies for SSDI/SSI may indicate that they had not yet heard whether benefits will be awarded. Beginning in Wave 4 for those with a preload indicating this situation, questions are included which ask whether the pending application was approved. However, in Wave 4, these questions were inadvertently skipped for all cases. From Wave 5 forward, the Respondent is first asked which program, SSDI or SSI, and then is asked about each program separately. The question sequence asks if the application was approved and then continues in the usual way.

Note that someone continuing to receive benefits may also report a new application.

HRS Variables Used

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HRS 1992:
    V2713           F1d:MO BECAME DISABLED
    V2714           F1d:YR BECAME DISABLED
    V4127           J23:NONE:1ST BOTHERED-MO
    V4128           J23:NONE:1ST BOTHERED-YR
    V4129           J24:NONE:1ST INTERFER-MO
    V4130           J24:NONE:1ST INTERFER-YR
    V4131           J25:NONE:PREVENTD WRK-MO
    V4132           J25:NONE:PREVENTD WRK-YR
    V4706           J123:EVR APPLD DISAB BEN
    V4707           J123A:MO 1ST APPLIED
    V4708           J123A:YR 1ST APPLIED
    V4709           J123B:AWARDED BENEFITS
    V4710           J123C:APPEAL/APPLY AGAIN
    V4711           J123D:MO LST APPLIED
    V4712           J123D:YR LAST APPLIED
    V4713           J123E:AWARDED BENEFITS
    V4714           J123F:MO STRTD RECV BEN
    V4715           J123F:YR STRTD RECV BEN
    V4719           J123J:STLL RECVNG BENFTS
    V4720           J123K:MO BENFST STOPED
    V4721           J123K:YR BENEFITS STOPED
HRS 1994:
    W3312           FA1f.DISABLED-MONTH
    W3313           FA1f.DISABLED-YEAR
    W5220           J3.IMPAIRMENT FIRST BEGI
    W5221           J3a.IMPAIRMENT FIRST BEG
    W5222           J4.INTERFERE W/ WORK-MON
    W5223           J4a.INTERFERE W/ WORK-YE
    W5224           J6.PREVENT WORK-MONTH
    W5225           J6a.PREVENT WORK-YEAR
    W5259           J18.STILL RECEIVING SSD/
    W5260           J18a.SSD/SSI STOP-MONTH
    W5261           J18b.SSD/SSI STOP-YEAR
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    W5268           J23.APPLY FOR OTHER DISA
    W5269           J24.DISABILITY PROGRAM
    W5270           J24.DISABILITY PROGRAM
    W5271           J24.DISABILITY PROGRAM
    W5274           J26a.SSD/SSI APPLY-MONTH
    W5275           J26a1.SSD/SSI APPLY-YEAR
    W5276           J26a2.FIRST APPLY-MONTH
    W5277           J26a3.FIRST APPLY-YEAR
    W5278           J26b.AWARDED SSD/SSI THE
    W5279           J26c.APPEAL/APPLY LATER
    W5280           J26d.SSD/SSI LAST APPLY-
    W5281           J26d1.SSD/SSI LAST APPLY
    W5282           J26e.AWARED SSD/SSI THEN
    W5283           J26f.SSD/SSI START RECEI
    W5284           J26f1.SSD/SSI START RECE
    W5288           J26j.SSD/SSI STILL RECEI
    W5289           J26k.SSD/SSI STOP-MONTH
    W5290           J26k1.SSD/SSI STOP-YEAR
HRS 1996:
    E2619           G1F.DISABLED-MONTH
    E2620           G1G.DISABLED-YEAR
    E3523           GD3. FIRST BEGIN-YR
    E3524           GD3A. FIRST BEGIN-MONTH
    E3526           GD4.INTERFERE-YR
    E3527           GD4A. INTERFERE-MONTH
    E3528           GD6. PREVENT WORK-YR
    E3529           GD6A. PREVENT WORK-MONTH
    E3580           GD18. RECEIVE SSD/SSI
    E3581           GD18A. SS STOP-MONTH
    E3582           GD18B. SS STOP-YR
    E3589           GD23. APPLY OTHER DISABILITY
    E3595M1         GD24. DISABILITY PROGRAMS
    E3595M2         GD24. DISABILITY PROGRAMS
    E3595M3         GD24. DISABILITY PROGRAMS
    E3596           GD26A. SS APPLY-MONTH
    E3597           GD26A1. SS APPLY-YR
    E3598           GD26A2. CHECK MONTH
    E3599           GD26A3. CHECK YR
    E3600           GD26B. SS-AWARD THEN
    E3601           GD26C. SS-APPLY AGAIN
    E3602           GD26D. SS-LAST APPLY MONTH
    E3603           GD26D1. SS-LAST APPLY YR
    E3604           GD26E. SS-AWARD THEN
    E3605           GD26F. SS RECEIVE-MONTH
    E3606           GD26F1. SS RECEIVE-YR
    E3614           GD26J. SS-STILL RECEIVING
    E3615           GD26K. SS STOP-MONTH
    E3616           GD26K1. SS STOP-YR
HRS 1998:
    F3123           G1F.DISABLED-MONTH
    F3124           G1G.DISABLED-YEAR
    F4033           GD3. FIRST BEGIN-YR
    F4034           GD3A. FIRST BEGIN-MONTH
    F4036           GD4.INTERFERE-YR
    F4037           GD4A. INTERFERE-MONTH
    F4038           GD6. PREVENT WORK-YR
    F4039           GD6A. PREVENT WORK-MONTH
    F4088           GD18. RECEIVE SSD/SSI
    F4089           GD18A. SS STOP-MONTH
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    F4090           GD18B. SS STOP-YR
    F4091           GD18C.PRIOR WAVE APPLIED FOR SSDI/SSI
    F4092           GD18D. MONTH START RECEIVING BENEFITS
    F4093           GD18D.1.YEAR START RECEIVING BENEFITS
    F4097           GD18G.STILL RECEIVING BENEFITS
    F4098           GD18H. MONTH STOPPED RECEIVING BENEFITS
    F4099           GD18H.1.YEAR STOPPED RECEIVING BENEFITS
    F4123           GD23. APPLY OTHER DISABILITY
    F4124M1         GD24. DISABILITY PROGRAMS
    F4124M2         GD24. DISABILITY PROGRAMS
    F4124M3         GD24. DISABILITY PROGRAMS
    F4125           GD26A. SS APPLY-MONTH
    F4126           GD26A1. SS APPLY-YR
    F4127           GD26A2. CHECK MONTH
    F4128           GD26A3. CHECK YR
    F4129           GD26B. SS-AWARD THEN
    F4130           GD26C. SS-APPLY AGAIN
    F4131           GD26D. SS-LAST APPLY MONTH
    F4132           GD26D1. SS-LAST APPLY YR
    F4133           GD26E. SSI-AWARD THEN
    F4134           GD26F. SS RECEIVE-MONTH
    F4135           GD26F1. SS RECEIVE-YR
    F4139           GD26J. SS-STILL RECEIVING
    F4140           GD26K. SS STOP-MONTH
    F4141           GD26K1. SS STOP-YR
    F4489           GJ123.EVER APPLY FOR SSD OR SSI
    F4490           GJ123A.FIRST APPLIED SS - MONTH
    F4491           GJ123A1.FIRST APPLIED SS - YEAR
    F4492           GJ123B.SS AWARDED BENEFITS
    F4493           GJ123C.SS APPEALED OR APPLY AGAIN
    F4494           GJ123D.SS APPEALED - MONTH
    F4495           GJ123D1.SS APPEALED - YEAR
    F4496           GJ123E.SS AWARDED THEN
    F4497           GJ123F.SS AWARDED - MONTH
    F4498           GJ123F1.SS AWARDED - YEAR
    F4502           GJ123J.STILL RECEIVING BENEFITS
    F4503           GJ123K.BENEFITS STOPPED - MONTH
    F4504           GJ123K1.BENEFITS STOPPED - YEAR
HRS 2000:
    G3373           G1F.DISABLED-MONTH
    G3374           G1G.DISABLED-YEAR
    G4321           GD3. FIRST BEGIN-YR
    G4322           GD3A. FIRST BEGIN-MONTH
    G4324           GD4.INTERFERE-YR
    G4325           GD4A. INTERFERE-MONTH
    G4326           GD6. PREVENT WORK-YR
    G4327           GD6A. PREVENT WORK-MONTH
    G4373           GD18. RECEIVE SSD/SSI
    G4374           GD18AA. REC`D SSDI BENEFITS
    G4377           GD18AC. SSDI START-MONTH
    G4378           GD18AD. SSDI START-YEAR
    G4381           GD18AE. SSDI STOP-MONTH
    G4382           GD18AF. SSDI STOP-YR
    G4383           GD18BA. REC`D SSI BENEFITS
    G4385           GD18BC. SSI START-MONTH
    G4386           GD18BD. SSI START-YEAR
    G4387           GD18BE. SSI STOP-MONTH
    G4388           GD18BF. SSI STOP-YR
    G4389           GD18C.PRIOR WAVE APPLIED FOR SSDI/SSI
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G4390 GD18CA. SSDI APPLICATION APPROVED
G4391 GD18CB. SSDI START-MONTH
G4392 GD18CC. SSDI START-YEAR
G4396 GD18CG.STILL RECEIVING SSDI BENEFITS
G4398 GD18CJ. SSDI STOP-MONTH
G4399 GD18CK. SSDI STOP-YR
G4400 GD18DA. SSDI-APPLY AGAIN
G4401 GD18DB. SSDI-LAST APPLY MONTH
G4402 GD18DC. SSDI-LAST APPLY YR
G4403 GD18DD. SSDI-AWARD THEN
G4404 GD18DE. SSDI START-MONTH
G4405 GD18DF. SSDI START-YEAR
G4409 GD18DK.STILL RECEIVING SSDI BENEFITS
G4411 GD18DN. SSDI STOP-MONTH
G4412 GD18DP. SSDI STOP-YR
G4413 GD18EA. SSI APPLICATION APPROVED
G4414 GD18EB. SSI START-MONTH
G4415 GD18EC. SSI START-YEAR
G4416 GD18ED.STILL RECEIVING SSI BENEFITS
G4418 GD18EF. SSI STOP-MONTH
G4419 GD18EG. SSI STOP-YR
G4420 GD18EH. SSI-APPLY AGAIN
G4421 GD18EJ. SSI-LAST APPLY MONTH
G4422 GD18EK. SSI-LAST APPLY YR
G4423 GD18EM. SSI-AWARD THEN
G4424 GD18EN. SSI START-MONTH
G4425 GD18EP. SSI START-YEAR
G4426 GD18EQ.STILL RECEIVING SSI BENEFITS
G4428 GD18ES. SSI STOP-MONTH
G4429 GD18ET. SSI STOP-YR
G4453 GD23. APPLY OTHER DISABILITY
G4454M1 GD24. DISABILITY PROGRAMS
G4454M2 GD24. DISABILITY PROGRAMS
G4454M3 GD24. DISABILITY PROGRAMS
G4455 GD26A.SSD APPLY-MO
G4456 GD26A1. SSD APPLY-YR
G4457 GD26A2.SSD APPLY SINCE PREV WAVE-MO
G4458 GD26A3.SSD APPL SINCE PREV WAVE-YR
G4459 GD26B.SSD 1ST APPL STATUS
G4460 GD26C.SSD WHETHER APPLIED AGAIN
G4461 GD26D.SSD LAST APPLICATION-MO
G4462 GD26D1.SSD LAST APPLICATION-YR
G4463 GD26E.SSD LAST APPLICATION STATUS
G4464 GD26F.SSD LAST APP BENEFITS START-MO
G4465 GD26F1.SSD LAST APP BENEFITS START-YR
G4466 GD26G.SSD-STILL RECEIVING
G4471 GD26M.SSD BENEFITS STOP-MO
G4472 GD26M1.SSD BENEFITS STOP-YR
G4473 GD27A. SSI APPLY-MONTH
G4474 GD27A1. SSI APPLY-YR
G4475 GD27A2. SSI APPLY SINCE PREV WAVE-MO
G4476 GD27A3. SSI APPLY SINCE PREV WAVE-YR
G4477 GD27B. SSI-AWARD THEN
G4478 GD27C. SSI-APPLY AGAIN
G4479 GD27D. SSI-LAST APPLY MONTH
G4480 GD27D1. SSI-LAST APPLY YR
G4481 GD27E. SSI-AWARD THEN
G4482 GD27F. SSI RECEIVE-MONTH
G4483 GD27F1. SSI RECEIVE-YR

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    G4484           GD27G. SSI-STILL RECEIVING
    G4489           GD27J. SSI STOP-MONTH
    G4490           GD27J1. SSI STOP-YR
    G4862           GJ123.EVER APPLY FOR SSDI
    G4863           GJ123A.FIRST APPLIED SSDI - YEAR
    G4864           GJ123A2.FIRST APPLIED SSDI - MONTH
    G4865           GJ123B.SSDI AWARDED BENEFITS
    G4866           GJ123C.SSDI APPEALED OR APPLY AGAIN
    G4867           GJ123D.SSDI APPEALED - YR
    G4868           GJ123D2.SSDI APPEALED - MO
    G4869           GJ123E.SSDI AWARDED THEN
    G4870           GJ123F1.SSDI AWARDED - YEAR
    G4871           GJ123F2.SSDI AWARDED - MONTH
    G4875           GJ123J.STILL RECEIVING BENEFITS
    G4877           GJ123K.BENEFITS STOPPED - YEAR
    G4878           GJ123K2.BENEFITS STOPPED - MONTH
    G4881           GJ125.EVER APPLY FOR SSI
    G4882           GJ125A1.FIRST APPLIED SSI - YEAR
    G4883           GJ125A2.FIRST APPLIED SSI - MONTH
    G4884           GJ125B.SSI AWARDED BENEFITS
    G4885           GJ125C.SSI APPEALED OR APPLY AGAIN
    G4886           GJ125D1.SSI APPEALED - YR
    G4887           GJ125D2.SSI APPEALED - MO
    G4888           GJ125E.SSI AWARDED THEN
    G4889           GJ125F1.SSI AWARDED - YEAR
    G4890           GJ125F2.SSI AWARDED - MONTH
    G4894           GJ125G.STILL RECEIVING BENEFITS
    G4896           GJ125J.BENEFITS STOPPED - YEAR
    G4897           GJ125K.BENEFITS STOPPED - MONTH
HRS 2002:
    HM030F1         HM030F1 STILL RECEIVING SSDI BENEFITS
    HM030F2         HM030F2 STILL RECEIVING SSI BENEFITS
    HM030K1         HM030K1 SSDI STOP-MO
    HM030K2         HM030K2 SSI STOP-MO
    HM030L1         HM030L1 SSDI STOP-YR
    HM030L2         HM030L2 SSI STOP-YR
    HM032A1         HM032A1 SSDI START-MO
    HM032A2         HM032A2 SSDI START-MO
    HM032B1         HM032B1 SSDI START-YR
    HM032B2         HM032B2 SSDI START-YR
    HM032F1         HM032F1 STILL RECEIVING SSDI BENEFITS
    HM032F2         HM032F2 STILL RECEIVING SSDI BENEFITS
    HM032K1         HM032K1 SSDI STOP-MO
    HM032K2         HM032K2 SSDI STOP-MO
    HM032L1         HM032L1 SSDI STOP-YR
    HM032L2         HM032L2 SSDI STOP-YR
    HM032N          HM032N SSDI-APPLY AGAIN
    HM032O          HM032O SSDI-LAST APPLY MO
    HM032P          HM032P SSDI-LAST APPLY YR
    HM032Q          HM032Q SSDI-AWARD THEN
    HM033A2         HM033A2 SSI START-MO
    HM033B2         HM033B2 SSI START-YR
    HM033C1         HM033C1 STILL RECEIVING SSI BENEFITS
    HM033C2         HM033C2 STILL RECEIVING SSI BENEFITS
    HM033H1         HM033H1 SSI STOP-MO
    HM033H2         HM033H2 SSI STOP-MO
    HM033I1         HM033I1 SSI STOP-YR
    HM033I2         HM033I2 SSI STOP-YR
    HM033L          HM033L SSI-APPLY AGAIN
```

```
    HM033N          HM033N SSI-LAST APPLY MO
    HM033O          HM033O SSI-LAST APPLY YR
    HM033P          HM033P SSI-AWARD THEN
    HM040A          HM040A SSD APPLY-MO
    HM040B          HM040B SSD APPLY-YR
    HM040C          HM040C SSD APPLY SINCE PREV WAVE-MO
    HM040D          HM040D SSD APPLY SINCE PREV WAVE-YR
    HM040E          HM040E SSD 1ST APPL STATUS
    HM040F          HM040F SSDI-APPLY AGAIN
    HM040G          HM040G SSDI-LAST APPLY MO
    HM040H          HM040H SSDI-LAST APPLY YR
    HM040I          HM040I SSDI-AWARD THEN
    HM040J          HM040J SSDI START-MO
    HM040K          HM040K SSDI START-YR
    HM040P          HM040P STILL RECEIVING SSDI BENEFITS
    HM040U          HM040U SSDI STOP-MO
    HM040V          HM040VSSDI STOP-YR
    HM041A          HM041A SSD APPLY-MO
    HM041B          HM041B SSD APPLY-YR
    HM041C          HM041C SSD APPLY SINCE PREV WAVE-MO
    HM041D          HM041D SSD APPLY SINCE PREV WAVE-YR
    HM041F          HM041F SSI-APPLY AGAIN
    HM041G          HM041G SSI-LAST APPLY MO
    HM041H          HM041H SSI-LAST APPLY YR
    HM041I          HM041I SSI-AWARD THEN
    HM041J          HM041J SSI START-MO
    HM041K          HM041K SSI START-YR
    HM041L          HM041L STILL RECEIVING SSI BENEFITS
    HM041R          HM041R SSI STOP-MO
    HM041S          HM041S SSI STOP-YR
    HM042H          HM042H VA-LAST APPLY YR
    HM050G          HM050G OTH PROG-LAST APPLY MO
    HM648A1         SSDI START MONTH-1
    HM648B1         SSDI START YEAR-1
    HM648F1         STILL RECEIVING SSDI BENEFITS-1
    HM648K1         SSDI STOP MONTH-1
    HM648L1         SSDI STOP YEAR-1
    HM648N          SSDI-APPLY AGAIN
    HM648O          SSDI-LAST APPLY MO
    HM648P          SSDI-LAST APPLY YR
    HM648Q          SSDI-AWARD THEN
    HM654A1         SSI START MONTH-1
    HM654B1         SSI START YEAR-1
    HM654C1         STILL RECEIVING SSI BENEFITS-1
    HM654H1         SSI STOP MONTH-1
    HM654I1         SSI STOP YEAR-1
    HM654J          SSI-APPLY AGAIN
    HM654K          SSI-LAST APPLY MO
    HM654L          SSI-LAST APPLY YR
    HM654N          SSI-AWARD THEN
HRS 2022:
    SM241           EVER APPLY FOR SSDI
    SM244           1ST APPLIED SSDI - YR
    SM245           M647 1ST APPLIED SSDI - MO
    SM247           SSDI AWARDED BENEFITS
    SM248           APPEAL OR APPLY AGAIN
    SM249           LAST APPLY YR
    SM250           LAST APPLY MO
    SM252           SSDI BENEFITS START - YR
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    SM253           SSDI BENEFITS START - MO
    SM254           SSDI STILL RECEIVING BENEFITS
    SM255           SSDI BENEFITS STOPPED - YEAR
    SM256           SSDI BENEFITS STOPPED - MONTH
    SM263           EVER APPLY FOR SSI
    SM264           SSI FILED W SSDI
    SM265           1ST APPLIED SSI - YR
    SM266           1ST APPLIED SSI - MO
    SM267           SSDI AWARDED BENEFITS
    SM268           SSI APPLY AGAIN
    SM269           SSI LAST APPLY YR
    SM270           SSI LAST APPLY MO
    SM272           SSI BENEFITS START - YR
    SM273           SSI BENEFITS START - MO
    SM274           SSI STILL RECEIVING BENEFITS
    SM275           SSI BENEFITS STOPPED - YEAR
    SM276           SSI BENEFITS STOPPED - MONTH
    SM283           EVER APPLIED SSDI/SSI
    SM284           SSDI CURRENTLY RECEIVING
    SM289           SSI CURRENTLY RECEIVING
    SM290           SSI AMOUNT RECEIVED LAST MONTH
HRS 2002-2014:
    xM009           HM009 KEEP FROM WRK 1ST BEGIN-YR
    xM010           HM010 HEALTH PROBLEM FIRST BOTHER-MO
    xM016           HM016 HEALTH PROB PREVENT WRK-YR
    xM017           HM017 HEALTH PROB PREVENT WRK-MO
    xM651           EVER APPLY FOR SSI
HRS 2002-2020:
    xJ014           DISABLED-MO
    xJ015           DISABLED- YR
    xM014           HM014 HEALTH PROB INTERFERE-YR
    xM015           HM015 HEALTH PROB INTERFERE-MO
    xM030           HM030 REC SSDI/SSI/BOTH
    xM031           HM031 PRIOR WAVE APPLIED FOR SSDI/SSI
    xM032           HM032 SSDI APPLICATION APPROVED
    xM033           HM033 SSI APPLICATION APPROVED
    xM036           HM036 APPLY OTR DISABILITY
    xM037M1         HM037M1 DISABILITY PROGRAMS-1
    xM037M2         HM037M2 DISABILITY PROGRAMS-2
    xM037M3         HM037M3 DISABILITY PROGRAMS-3
    xM041           HM041 SSI-AWARD THEN
    xM058           HM058 WHICH DISABILITY PROGRAM
    xM645           EVER APPLY FOR SSDI
    xM646           1ST APPLIED SSDI - YR
    xM647           1ST APPLIED SSDI - MO
    xM648           SSDI AWARDED BENEFITS
    xM652           1ST APPLIED SSI - YR
    xM653           1ST APPLIED SSI - MO
    xM654           SSI AWARDED BENEFITS
HRS 2004-2020:
    xM040           HM040E SSD 1ST APPL STATUS
    xMW233C         HM032A2 SSDI START-MO -2
    xMW233D         HM033A2 SSI START-MO -2
    xMW233I         HM040J SSDI START-MO -3
    xMW233J         SSI START-MO -3
    xMW233Q         HM648A1 SSDI START MONTH-1
    xMW233S         HM654A1 SSI START MONTH-1
    xMW234C         HM032B2 SSDI START-YR -2
    xMW234D         HM041K SSI START-YR -2
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xMW234I	HM040K SSDI START-YR -3
xMW234J	SSI START-YR -3
xMW234Q	HM648B1 SSDI START YEAR-1
xMW238A	HM030F1 STILL RECEIVING SSDI BENEFITS -1
xMW238B	HM030F2 STILL RECEIVING SSI BENEFITS-1
xMW238C	HM032F1 STILL RECEIVING SSDI BENEFITS -2
xMW238D	HM033C1 STILL RECEIVING SSI BENEFITS -2
xMW238I	HM040P STILL RECEIVING SSDI BENEFITS -3
xMW238J	HM041L STILL RECEIVING SSI BENEFITS -3
xMW238Q	HM648F1 STILL REC SSDI BENS-1
xMW238S	HM654C1 STILL RECEIVING SSI BENEFITS-1
xMW243A	HM040U SSDI STOP-MO -1
xMW243B	HM030K2 SSI STOP-MO -1
xMW243C	HM032K1 SSDI STOP-MO -2
xMW243D	HM033H1 SSI STOP-MO -2
xMW243I	HM032K2 SSDI STOP-MO -3
xMW243J	HM041R SSI STOP-MO -3
xMW243Q	SSDI STOP MONTH-1
xMW243S	HM654H1 SSI STOP MONTH-1
xMW244A	HM030K1 SSDI STOP-YR
xMW244B	HM030L2 SSI STOP-YR -1
xMW244C	HM030L1 SSDI STOP-YR -2
xMW244D	HM033I1 SSI STOP-YR -2
xMW244I	HM032L1 SSDI STOP-YR -3
xMW244J	HM041S SSI STOP-YR -3
xMW244Q	SSDI STOP YEAR-1
xMW244S	HM654I2 SSI STOP YEAR-1
xMW245A	HM040F SSDI-APPLY AGAIN -1
xMW245B	HM041F SSI-APPLY AGAIN -1
xMW245C	HM032N SSDI-APPLY AGAIN -2
xMW245D	HM033L SSI-APPLY AGAIN -2
xMW245H	HM648N SSDI-APPLY AGAIN-1
xMW245I	HM654J SSI-APPLY AGAIN-1
xMW246A	HM040G SSDI-LAST APPLY MO -1
xMW246B	HM041G SSI-LAST APPLY MO -1
xMW246C	HM032O SSDI-LAST APPLY MO -2
xMW246D	HM033N SSI-LAST APPLY MO -2
xMW246G	HM050G OTH PROG-LAST APPLY MO -1
xMW246H	HM648O SSDI-LAST APPLY MO-1
xMW246I	HM654K SSI-LAST APPLY MO
xMW247A	HM040H SSDI-LAST APPLY YR -1
xMW247B	HM041H SSI-LAST APPLY YR -1
xMW247C	HM032P SSDI-LAST APPLY YR -2
xMW247D	HM033O SSI-LAST APPLY YR -2
xMW247E	HM042H VA-LAST APPLY YR -1
xMW247H	HM648P SSDI-LAST APPLY YR-1
xMW247I	HM654L SSI-LAST APPLY YR-1
xMW248A	HM040I SSDI-AWARD THEN -1
xMW248B	HM041I SSI-AWARD THEN -1
xMW248C	HM032Q SSDI-AWARD THEN -2
xMW248D	HM033P SSI-AWARD THEN -2
xMW248H	HM648Q SSDI-AWARD THEN-1
xMW248I	HM654N SSI-AWARD THEN
xMW249A	HM040A SSD APPLY-MO
xMW249B	HM041A SSI APPLY-MO
xMW250A	HM040B SSD APPLY-YR
xMW250B	HM041B SSI APPLY-YR
xMW251A	HM040C SSD APPLY SINCE PREV WAVE-MO
xMW251B	HM041C SSI APPLY SINCE PREV WAVE-MO

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xMW252A         HM040D SSD APPLY SINCE PREV WAVE-YR
xMW252B         HM041D SSI APPLY SINCE PREV WAVE-YR
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SSDI, SSI Status (Each Wave)

Wave	Variable	Label	Type
1	R1DSTAT	R1DSTAT:W1 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
2	R2DSTAT	R2DSTAT:W2 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
3	R3DSTAT	R3DSTAT:W3 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
4	R4DSTAT	R4DSTAT:W4 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
5	R5DSTAT	R5DSTAT:W5 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
6	R6DSTAT	R6DSTAT:W6 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
7	R7DSTAT	R7DSTAT:W7 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
8	R8DSTAT	R8DSTAT:W8 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
9	R9DSTAT	R9DSTAT:W9 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
10	R10DSTAT	R10DSTAT:W10 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
11	R11DSTAT	R11DSTAT:W11 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
12	R12DSTAT	R12DSTAT:W12 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
13	R13DSTAT	R13DSTAT:W13 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
14	R14DSTAT	R14DSTAT:W14 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
15	R15DSTAT	R15DSTAT:W15 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
16	R16DSTAT	R16DSTAT:W16 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
1	S1DSTAT	S1DSTAT:W1 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
2	S2DSTAT	S2DSTAT:W2 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
3	S3DSTAT	S3DSTAT:W3 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
4	S4DSTAT	S4DSTAT:W4 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
5	S5DSTAT	S5DSTAT:W5 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
6	S6DSTAT	S6DSTAT:W6 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
7	S7DSTAT	S7DSTAT:W7 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
8	S8DSTAT	S8DSTAT:W8 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
9	S9DSTAT	S9DSTAT:W9 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
10	S10DSTAT	S10DSTAT:W10 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
11	S11DSTAT	S11DSTAT:W11 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
12	S12DSTAT	S12DSTAT:W12 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
13	S13DSTAT	S13DSTAT:W13 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
14	S14DSTAT	S14DSTAT:W14 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
15	S15DSTAT	S15DSTAT:W15 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
16	S16DSTAT	S16DSTAT:W16 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DSTAT	12652	9.77	42.32	0.0	200.0
R2DSTAT	11420	11.09	43.66	0.0	200.0
R3DSTAT	10964	13.08	46.94	0.0	200.0
R4DSTAT	21384	8.26	36.78	0.0	200.0
R5DSTAT	19578	4.39	24.62	0.0	200.0
R6DSTAT	18165	2.96	18.29	0.0	200.0
R7DSTAT	20129	2.73	17.03	0.0	200.0
R8DSTAT	18469	2.53	15.90	0.0	200.0
R9DSTAT	17217	2.51	15.92	0.0	200.0
R10DSTAT	22034	2.43	13.65	0.0	200.0
R11DSTAT	20554	2.47	13.44	0.0	200.0
R12DSTAT	18747	2.55	13.28	0.0	200.0
R13DSTAT	20912	2.56	11.34	0.0	200.0
R14DSTAT	17146	2.46	10.82	0.0	200.0
R15DSTAT	15723	2.29	10.13	0.0	200.0
R16DSTAT	15787	2.29	8.64	0.0	200.0
S1DSTAT	9900	7.48	37.25	0.0	200.0
S2DSTAT	8741	8.30	37.84	0.0	200.0

S3DSTAT	8308	10.03	41.37	0.0	200.0
S4DSTAT	13980	6.65	32.68	0.0	200.0
S5DSTAT	12730	3.88	23.18	0.0	200.0
S6DSTAT	11639	2.58	16.73	0.0	200.0
S7DSTAT	12972	2.28	15.13	0.0	200.0
S8DSTAT	11735	2.10	13.99	0.0	200.0
S9DSTAT	10646	2.00	13.67	0.0	200.0
S10DSTAT	13513	1.83	11.56	0.0	200.0
S11DSTAT	12484	1.86	11.17	0.0	200.0
S12DSTAT	11012	1.90	11.21	0.0	200.0
S13DSTAT	11779	1.80	9.25	0.0	200.0
S14DSTAT	9358	1.79	9.40	0.0	200.0
S15DSTAT	8477	1.64	8.62	0.0	200.0
S16DSTAT	7840	1.52	6.13	0.0	200.0

Categorical Variable Codes

RwDSTAT: 'POSITION 1=DK, 2=SSDI, 3=SSI'

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		8222	7027							
0.No activity	11827	10453	9869	19713	18039	16829	18574	17011	15852	19908
1.Applying SSI		3		7	21	24	34	39	44	43
2.Receiving SSI	47	56	63	161	240	202	227	238	222	280
10.Applying SSDI		14		45	111	82	129	117	128	208
11.Applying SSDI + SSI					7	22	52	51	53	97
12.Apply SSDI/Recv SSI					9	9	3	8	5	11
20.Receiving SSDI	165	218	257	470	622	643	753	715	644	1104
21.Recv SSDI/Apply SSI					2	1	3	5	3	11
22.Recv SSDI + SSI					74	88	108	84	82	214
100.Applying DK which	24	132	169	311	206	156	141	120	107	89
200.Receiving DK which	589	544	606	677	247	109	105	81	77	69

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
0.No activity	18393	16658	18326	14973	13811	13444
1.Applying SSI	52	59	52	55	43	67
2.Receiving SSI	343	278	250	294	261	544
10.Applying SSDI	228	244	361	261	241	257
11.Applying SSDI + SSI	111	132	115	136	133	124
12.Apply SSDI/Recv SSI	7	9	10	9	11	30
20.Receiving SSDI	1073	1038	1506	1123	956	1040
21.Recv SSDI/Apply SSI	5	11	12	7	13	37
22.Recv SSDI + SSI	198	193	180	215	197	209
100.Applying DK which	83	71	64	47	37	24
200.Receiving DK which	61	54	36	26	20	11

SwDSTAT: 'POSITION 1=DK, 2=SSDI, 3=SSI'

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		4349	3609							
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No activity	9414	8186	7681	13062	11886	10908	12156	10974	9969	12532
1.Applying SSI		1		2	12	12	15	16	18	19
2.Receiving SSI	14	14	17	41	69	63	67	74	71	88
10.Applying SSDI		5		33	72	55	92	76	72	113
11.Applying SSDI + SSI					4	10	24	26	26	44
12.Apply SSDI/Recv SSI					7	5	2	4	3	4
20.Receiving SSDI	106	144	158	320	404	416	451	428	377	560
21.Recv SSDI/Apply SSI							2	4	2	6
22.Recv SSDI + SSI					20	23	27	29	21	77
100.Applying DK which	13	86	103	182	113	91	87	67	54	41
200.Receiving DK which	353	305	349	340	143	56	49	37	33	29

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No activity	11483	10083	10735	8512	7753	7049
1.Applying SSI	24	31	25	24	20	26
2.Receiving SSI	118	93	70	92	66	155
10.Applying SSDI	123	133	168	113	111	113
11.Applying SSDI + SSI	57	46	45	52	54	33
12.Apply SSDI/Recv SSI	3	4	3	5	4	7
20.Receiving SSDI	540	500	635	470	393	373
21.Recv SSDI/Apply SSI	4	8	8	4	2	14
22.Recv SSDI + SSI	68	63	55	57	53	62
100.Applying DK which	41	29	22	18	13	7
200.Receiving DK which	23	22	13	11	8	1

How Constructed

RwDSTAT indicates whether a Respondent is receiving or applying for disability benefits through Social Security Disability Insurance (SSDI) and/or Supplemental Security Income (SSI) at Wave "w." It is a three-digit variable, where the ones-digit indicates the status of SSI, the tens-digit indicates the status of SSDI, and the hundreds-digit indicates the status of SSDI/SSI where we do not know which program. A one in the appropriate digit indicates that the Respondent has applied but has not been awarded or rejected. A two indicates that the Respondent is receiving benefits, and a zero indicates neither applying nor receiving. For example, 12 means that the Respondent is applying for SSDI and receiving SSI benefits, and 100 indicates the Respondent is applying for SSDI or SSI or both, but we do not know which program.

Before Wave 5, SSDI and SSI are combined in the survey questions. From Wave 5 forward, these programs are treated separately. If the Respondent first reports an application, reapplication, or receipt for SSDI or SSI before Wave 5, we do not know which program is involved. If the receipt or application remains active until Wave 5 or beyond, the Respondent is asked which program, and the statuses for SSDI and SSI can be reported distinctly. In some cases a Respondent reports receiving (or applying for) benefits from SSDI in Wave 5 and reports still receiving benefits at Wave 6, but then reports that the benefits are from SSI or vice versa. In these cases, status is reported for the program type reported in the current wave. For example, if the Wave 5 program is SSDI and the Wave 6 program is SSI, then the Wave 5 status is reported for SSDI, and then in Wave 6, for SSI.

SwDSTAT indicates whether the Respondent's spouse is receiving or applying for SSDI or SSI at Wave "w." It is taken from the spouse's self-reported RwDSTAT for Wave "w."

In Wave 2A and 3A, there are no comparable questions, and so for members of the AHEAD cohort, R2DSTAT and R3DSTAT

are set to .Q to indicate that no information is available.

For more detailed information on disability applications and benefit receipt, please see the "SSDI/SSI Disability Episodes" variables.

Cross Wave Differences in Original HRS Data

The Disability section of the HRS asks questions about whether the Respondent has applied for disability benefits from Social Security Disability Insurance (SSDI) or Supplemental Security Income (SSI) in every wave. Before Wave 5, the questions ask about the two programs together. From Wave 5 forward, the questions ask about the programs separately.

In Wave 1, a question asks if the Respondent has ever applied for SSDI or SSI, and if yes, whether they are currently receiving benefits. If not, another question asks whether they have appealed or re-applied and if so, whether the re-application was approved.

In Waves 2H, 3H and 4, it asks if the Respondent has applied for disability benefits from any government program since the last interview (or ever if it is the first interview) and if yes, asks which program(s). In the answers, SSDI and SSI are listed together. If the Respondent reports applying for SSDI/SSI, then the questions follow the same pattern as in Wave 1.

From Wave 5 forward, the question wording is the same but separate questions are asked for the two programs. If the Respondent reports applying for but not receiving SSDI benefits, a question then asks whether they have appealed or re-applied for SSDI, and if so, when the last re-application was made. If an SSI application without approval is reported, then another question asks if they have appealed or re-applied for SSI and if so, when the last re-application was made.

After Wave 1, re-interviewed Respondents are asked questions about the status of previously reported SSDI/SSI benefit receipt. From Wave 4 forward, re-interviewed Respondents are asked about the status of applications made but unresolved at the prior wave. If a Respondent had applied for SSDI/SSI in a previous wave and the application was still pending, they are asked if it was approved. From Wave 5 forward, they are first asked what type of benefit was applied for or received, SSDI or SSI. From Wave 5 forward, if the prior wave application was not approved, the Respondent is asked if they have appealed or reapplied. These questions are asked before the questions about applying since last interview described above.

In Wave 2A and 3A, there are no comparable questions.

HRS Variables Used

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HRS 1992:
    V4706           J123:EVR APPLD DISAB BEN
    V4709           J123B:AWARDED BENEFITS
    V4710           J123C:APPEAL/APPLY AGAIN
    V4713           J123E:AWARDED BENEFITS
    V4719           J123J:STLL RECVNG BENFTS
HRS 1994:
    W5259           J18.STILL RECEIVING SSD/
    W5268           J23.APPLY FOR OTHER DISA
    W5269           J24.DISABILITY PROGRAM
    W5270           J24.DISABILITY PROGRAM
    W5271           J24.DISABILITY PROGRAM
    W5278           J26b.AWARDED SSD/SSI THE
    W5279           J26c.APPEAL/APPLY LATER
    W5282           J26e.AWARED SSD/SSI THEN
    W5288           J26j.SSD/SSI STILL RECEI
HRS 1996:
    E3580           GD18. RECEIVE SSD/SSI
    E3589           GD23. APPLY OTHER DISABILITY
    E3595M1         GD24. DISABILITY PROGRAMS
    E3595M2         GD24. DISABILITY PROGRAMS
    E3595M3         GD24. DISABILITY PROGRAMS
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    E3600           GD26B. SS-AWARD THEN
    E3601           GD26C. SS-APPLY AGAIN
    E3604           GD26E. SS-AWARD THEN
    E3614           GD26J. SS-STILL RECEIVING
HRS 1998:
    F4088           GD18. RECEIVE SSD/SSI
    F4091           GD18C.PRIOR WAVE APPLIED FOR SSDI/SSI
    F4097           GD18G.STILL RECEIVING BENEFITS
    F4123           GD23. APPLY OTHER DISABILITY
    F4124M1         GD24. DISABILITY PROGRAMS
    F4124M2         GD24. DISABILITY PROGRAMS
    F4124M3         GD24. DISABILITY PROGRAMS
    F4129           GD26B. SS-AWARD THEN
    F4130           GD26C. SS-APPLY AGAIN
    F4133           GD26E. SSI-AWARD THEN
    F4139           GD26J. SS-STILL RECEIVING
    F4489           GJ123.EVER APPLY FOR SSD OR SSI
    F4492           GJ123B.SS AWARDED BENEFITS
    F4493           GJ123C.SS APPEALED OR APPLY AGAIN
    F4496           GJ123E.SS AWARDED THEN
    F4502           GJ123J.STILL RECEIVING BENEFITS
HRS 2000:
    G4373           GD18. RECEIVE SSD/SSI
    G4374           GD18AA. REC`D SSDI BENEFITS
    G4383           GD18BA. REC`D SSI BENEFITS
    G4389           GD18C.PRIOR WAVE APPLIED FOR SSDI/SSI
    G4390           GD18CA. SSDI APPLICATION APPROVED
    G4396           GD18CG.STILL RECEIVING SSDI BENEFITS
    G4400           GD18DA. SSDI-APPLY AGAIN
    G4403           GD18DD. SSDI-AWARD THEN
    G4409           GD18DK.STILL RECEIVING SSDI BENEFITS
    G4413           GD18EA. SSI APPLICATION APPROVED
    G4416           GD18ED.STILL RECEIVING SSI BENEFITS
    G4420           GD18EH. SSI-APPLY AGAIN
    G4423           GD18EM. SSI-AWARD THEN
    G4426           GD18EQ.STILL RECEIVING SSI BENEFITS
    G4453           GD23. APPLY OTHER DISABILITY
    G4454M1         GD24. DISABILITY PROGRAMS
    G4454M2         GD24. DISABILITY PROGRAMS
    G4454M3         GD24. DISABILITY PROGRAMS
    G4459           GD26B.SSD 1ST APPL STATUS
    G4460           GD26C.SSD WHETHER APPLIED AGAIN
    G4463           GD26E.SSD LAST APPLICATION STATUS
    G4466           GD26G.SSD-STILL RECEIVING
    G4477           GD27B. SSI-AWARD THEN
    G4478           GD27C. SSI-APPLY AGAIN
    G4481           GD27E. SSI-AWARD THEN
    G4484           GD27G. SSI-STILL RECEIVING
    G4862           GJ123.EVER APPLY FOR SSDI
    G4865           GJ123B.SSDI AWARDED BENEFITS
    G4866           GJ123C.SSDI APPEALED OR APPLY AGAIN
    G4869           GJ123E.SSDI AWARDED THEN
    G4875           GJ123J.STILL RECEIVING BENEFITS
    G4881           GJ125.EVER APPLY FOR SSI
    G4884           GJ125B.SSI AWARDED BENEFITS
    G4885           GJ125C.SSI APPEALED OR APPLY AGAIN
    G4888           GJ125E.SSI AWARDED THEN
    G4894           GJ125G.STILL RECEIVING BENEFITS
HRS 2002:
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    HM032F1         HM032F1 STILL RECEIVING SSDI BENEFITS
    HM032F2         HM032F2 STILL RECEIVING SSDI BENEFITS
    HM032N          HM032N SSDI-APPLY AGAIN
    HM032Q          HM032Q SSDI-AWARD THEN
    HM033C1         HM033C1 STILL RECEIVING SSI BENEFITS
    HM033C2         HM033C2 STILL RECEIVING SSI BENEFITS
    HM033L          HM033L SSI-APPLY AGAIN
    HM033P          HM033P SSI-AWARD THEN
    HM040E          HM040E SSD 1ST APPL STATUS
    HM040I          HM040I SSDI-AWARD THEN
    HM041I          HM041I SSI-AWARD THEN
    HM648F1         STILL RECEIVING SSDI BENEFITS-1
    HM648N          SSDI-APPLY AGAIN
    HM648Q          SSDI-AWARD THEN
    HM654A1         SSI START MONTH-1
    HM654B1         SSI START YEAR-1
    HM654C1         STILL RECEIVING SSI BENEFITS-1
    HM654J          SSI-APPLY AGAIN
    HM654N          SSI-AWARD THEN
HRS 2022:
    SM101           HAS IMPAIRMENTS THAT LIMIT PAID WORK
    SM241           EVER APPLY FOR SSDI
    SM244           1ST APPLIED SSDI - YR
    SM245           M647 1ST APPLIED SSDI - MO
    SM247           SSDI AWARDED BENEFITS
    SM248           APPEAL OR APPLY AGAIN
    SM249           LAST APPLY YR
    SM250           LAST APPLY MO
    SM251           SSDI AWARDED BENEFITS THEN
    SM252           SSDI BENEFITS START - YR
    SM253           SSDI BENEFITS START - MO
    SM254           SSDI STILL RECEIVING BENEFITS
    SM255           SSDI BENEFITS STOPPED - YEAR
    SM256           SSDI BENEFITS STOPPED - MONTH
    SM259           AMOUNT RECEIVED LAST MONTH
    SM263           EVER APPLY FOR SSI
    SM265           1ST APPLIED SSI - YR
    SM266           1ST APPLIED SSI - MO
    SM267           SSDI AWARDED BENEFITS
    SM268           SSI APPLY AGAIN
    SM269           SSI LAST APPLY YR
    SM270           SSI LAST APPLY MO
    SM271           SSDI AWARDED BENEFITS THEN
    SM272           SSI BENEFITS START - YR
    SM273           SSI BENEFITS START - MO
    SM274           SSI STILL RECEIVING BENEFITS
    SM275           SSI BENEFITS STOPPED - YEAR
    SM276           SSI BENEFITS STOPPED - MONTH
    SM279           SSI AMOUNT RECEIVED LAST MONTH
    SM283           EVER APPLIED SSDI/SSI
HRS 2002-2014:
    xM651           EVER APPLY FOR SSI
HRS 2002-2020:
    xM032           HM032 SSDI APPLICATION APPROVED
    xM033           HM033 SSI APPLICATION APPROVED
    xM037M1         HM037M1 DISABILITY PROGRAMS-1
    xM037M2         HM037M2 DISABILITY PROGRAMS-2
    xM037M3         HM037M3 DISABILITY PROGRAMS-3
    xM041           HM041 SSI-AWARD THEN
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    xM058           HM058 WHICH DISABILITY PROGRAM
    xM645           EVER APPLY FOR SSDI
    xM648           SSDI AWARDED BENEFITS
    xM654           SSI AWARDED BENEFITS
HRS 2004-2020:
    xM040           HM040E SSD 1ST APPL STATUS
    xMW233S         HM654A1 SSI START MONTH-1
    xMW238C         HM032F1 STILL RECEIVING SSDI BENEFITS -2
    xMW238D         HM033C1 STILL RECEIVING SSI BENEFITS -2
    xMW238Q         HM648F1 STILL REC SSDI BENS-1
    xMW238S         HM654C1 STILL RECEIVING SSI BENEFITS-1
    xMW244S         HM654I2 SSI STOP YEAR-1
    xMW245B         HM041F SSI-APPLY AGAIN -1
    xMW245C         HM032N SSDI-APPLY AGAIN -2
    xMW245D         HM033L SSI-APPLY AGAIN -2
    xMW245H         HM648N SSDI-APPLY AGAIN-1
    xMW245I         HM654J SSI-APPLY AGAIN-1
    xMW248A         HM040I SSDI-AWARD THEN -1
    xMW248B         HM041I SSI-AWARD THEN -1
    xMW248C         HM032Q SSDI-AWARD THEN -2
    xMW248D         HM033P SSI-AWARD THEN -2
    xMW248H         HM648Q SSDI-AWARD THEN-1
    xMW248I         HM654N SSI-AWARD THEN
```

Respondent is Receiving SSDI (Each Wave)

Wave	Variable	Label	Type
1	R1SSDI	R1SSDI:W1 R IS RECEIVING SSDI	Categ
2	R2SSDI	R2SSDI:W2 R IS RECEIVING SSDI	Categ
3	R3SSDI	R3SSDI:W3 R IS RECEIVING SSDI	Categ
4	R4SSDI	R4SSDI:W4 R IS RECEIVING SSDI	Categ
5	R5SSDI	R5SSDI:W5 R IS RECEIVING SSDI	Categ
6	R6SSDI	R6SSDI:W6 R IS RECEIVING SSDI	Categ
7	R7SSDI	R7SSDI:W7 R IS RECEIVING SSDI	Categ
8	R8SSDI	R8SSDI:W8 R IS RECEIVING SSDI	Categ
9	R9SSDI	R9SSDI:W9 R IS RECEIVING SSDI	Categ
10	R10SSDI	R10SSDI:W10 R IS RECEIVING SSDI	Categ
11	R11SSDI	R11SSDI:W11 R IS RECEIVING SSDI	Categ
12	R12SSDI	R12SSDI:W12 R IS RECEIVING SSDI	Categ
13	R13SSDI	R13SSDI:W13 R IS RECEIVING SSDI	Categ
14	R14SSDI	R14SSDI:W14 R IS RECEIVING SSDI	Categ
15	R15SSDI	R15SSDI:W15 R IS RECEIVING SSDI	Categ
16	R16SSDI	R16SSDI:W16 R IS RECEIVING SSDI	Categ
1	S1SSDI	S1SSDI:W1 S IS RECEIVING SSDI	Categ
2	S2SSDI	S2SSDI:W2 S IS RECEIVING SSDI	Categ
3	S3SSDI	S3SSDI:W3 S IS RECEIVING SSDI	Categ
4	S4SSDI	S4SSDI:W4 S IS RECEIVING SSDI	Categ
5	S5SSDI	S5SSDI:W5 S IS RECEIVING SSDI	Categ
6	S6SSDI	S6SSDI:W6 S IS RECEIVING SSDI	Categ
7	S7SSDI	S7SSDI:W7 S IS RECEIVING SSDI	Categ
8	S8SSDI	S8SSDI:W8 S IS RECEIVING SSDI	Categ
9	S9SSDI	S9SSDI:W9 S IS RECEIVING SSDI	Categ
10	S10SSDI	S10SSDI:W10 S IS RECEIVING SSDI	Categ
11	S11SSDI	S11SSDI:W11 S IS RECEIVING SSDI	Categ
12	S12SSDI	S12SSDI:W12 S IS RECEIVING SSDI	Categ
13	S13SSDI	S13SSDI:W13 S IS RECEIVING SSDI	Categ
14	S14SSDI	S14SSDI:W14 S IS RECEIVING SSDI	Categ
15	S15SSDI	S15SSDI:W15 S IS RECEIVING SSDI	Categ
16	S16SSDI	S16SSDI:W16 S IS RECEIVING SSDI	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SSDI	12652	0.04	0.20	0.0	1.0
R2SSDI	19642	0.04	0.19	0.0	1.0
R3SSDI	17991	0.04	0.20	0.0	1.0
R4SSDI	21384	0.03	0.18	0.0	1.0
R5SSDI	19578	0.04	0.19	0.0	1.0
R6SSDI	18165	0.04	0.20	0.0	1.0
R7SSDI	20129	0.04	0.21	0.0	1.0
R8SSDI	18469	0.04	0.21	0.0	1.0
R9SSDI	17217	0.04	0.20	0.0	1.0
R10SSDI	22034	0.06	0.24	0.0	1.0
R11SSDI	20554	0.06	0.24	0.0	1.0
R12SSDI	18747	0.07	0.25	0.0	1.0
R13SSDI	20912	0.08	0.27	0.0	1.0
R14SSDI	17146	0.08	0.27	0.0	1.0
R15SSDI	15723	0.08	0.26	0.0	1.0
R16SSDI	15787	0.09	0.29	0.0	1.0
S1SSDI	9900	0.04	0.19	0.0	1.0
S2SSDI	13090	0.03	0.18	0.0	1.0

S3SSDI	11917	0.03	0.18	0.0	1.0
S4SSDI	13980	0.03	0.17	0.0	1.0
S5SSDI	12730	0.03	0.18	0.0	1.0
S6SSDI	11639	0.04	0.20	0.0	1.0
S7SSDI	12972	0.04	0.19	0.0	1.0
S8SSDI	11735	0.04	0.20	0.0	1.0
S9SSDI	10646	0.04	0.19	0.0	1.0
S10SSDI	13513	0.05	0.21	0.0	1.0
S11SSDI	12484	0.05	0.22	0.0	1.0
S12SSDI	11012	0.05	0.22	0.0	1.0
S13SSDI	11779	0.06	0.24	0.0	1.0
S14SSDI	9358	0.06	0.23	0.0	1.0
S15SSDI	8477	0.05	0.23	0.0	1.0
S16SSDI	7840	0.06	0.24	0.0	1.0

Categorical Variable Codes

RwSSDI: R IS RECEIVING SSDI

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	12114	18922	17266	20699	18878	17381	19243	17642	16479	20696
1.Yes	538	720	725	685	700	784	886	827	738	1338

Value	w11	w12	w13	w14	w15	w16
0.No	19265	17489	19193	15770	14538	14373
1.Yes	1289	1258	1719	1376	1185	1414

SwSSDI: S IS RECEIVING SSDI

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	9543	12659	11504	13553	12304	11161	12477	11257	10239	12864
1.Yes	357	431	413	427	426	478	495	478	407	649

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	11862	10431	11070	8812	8019	7357
1.Yes	622	581	709	546	458	483

How Constructed

RwSSDI indicates whether a Respondent is receiving benefits from Social Security Disability Insurance (SSDI) at Wave "w." It is derived from RwDSTAT (SSDI, SSI Status, from Disability section) and RwIOSDI (Receives SSDI, See the RAND HRS Detailed Imputations File Codebook, available on the HRS website.

RwSSDI is set to yes (=1) if RwDSTAT equals "20.Receiving SSDI", "21.Receiving SSDI/Applying SSI", or "22.Receiving SSDI and SSI." We do not assign RwSSDI to be yes if we cannot determine which program is involved. For more information, please refer to the documentation for RwDSTAT.

RwSSDI is also set to yes (=1) if RwIOSDI is "1.Receives Income from SSDI." This variable does include imputed values. The imputation flag RwIFSDI indicates whether the component is imputed, and if so, how much information is available for imputation. For more information about RwIOSDI and RwIFSDI, please refer to the RAND HRS Detailed Imputations File Codebook, available on the HRS website.

SwSSDI indicates whether the Respondent's spouse is receiving benefits from SSDI at Wave "w." It is taken from the spouse's self-reported RwSSDI for Wave "w."

For more detailed information on disability applications and benefit receipt, please see the "SSDI/SSI Disability Episodes" variables.

Cross Wave Differences in Original HRS Data

The Disability section of the HRS asks questions about whether the Respondent has applied for disability benefits from Social Security Disability Insurance (SSDI) or Supplemental Security Income (SSI) in every wave. Before Wave 5, the questions ask about the two programs together. From Wave 5 forward, the questions ask about the programs separately. If we cannot determine which disability program is involved, RwSSDI is not set to yes.

SSDI, SSI Amount Receiving (Each Wave)

Wave	Variable	Label	Type
5	R5DSSAMT	R5DSSAMT:W5 AMT RECEIVED LAST MONTH SSDI	Cont
6	R6DSSAMT	R6DSSAMT:W6 AMT RECEIVED LAST MONTH SSDI	Cont
7	R7DSSAMT	R7DSSAMT:W7 AMT RECEIVED LAST MONTH SSDI	Cont
8	R8DSSAMT	R8DSSAMT:W8 AMT RECEIVED LAST MONTH SSDI	Cont
9	R9DSSAMT	R9DSSAMT:W9 AMT RECEIVED LAST MONTH SSDI	Cont
10	R10DSSAMT	R10DSSAMT:W10 AMT RECEIVED LAST MONTH SSDI	Cont
11	R11DSSAMT	R11DSSAMT:W11 AMT RECEIVED LAST MONTH SSDI	Cont
12	R12DSSAMT	R12DSSAMT:W12 AMT RECEIVED LAST MONTH SSDI	Cont
13	R13DSSAMT	R13DSSAMT:W13 AMT RECEIVED LAST MONTH SSDI	Cont
14	R14DSSAMT	R14DSSAMT:W14 AMT RECEIVED LAST MONTH SSDI	Cont
15	R15DSSAMT	R15DSSAMT:W15 AMT RECEIVED LAST MONTH SSDI	Cont
16	R16DSSAMT	R16DSSAMT:W16 AMT RECEIVED LAST MONTH SSDI	Cont
5	S5DSSAMT	S5DSSAMT:W5 AMT RECEIVED LAST MONTH SSDI	Cont
6	S6DSSAMT	S6DSSAMT:W6 AMT RECEIVED LAST MONTH SSDI	Cont
7	S7DSSAMT	S7DSSAMT:W7 AMT RECEIVED LAST MONTH SSDI	Cont
8	S8DSSAMT	S8DSSAMT:W8 AMT RECEIVED LAST MONTH SSDI	Cont
9	S9DSSAMT	S9DSSAMT:W9 AMT RECEIVED LAST MONTH SSDI	Cont
10	S10DSSAMT	S10DSSAMT:W10 AMT RECEIVED LAST MONTH SSDI	Cont
11	S11DSSAMT	S11DSSAMT:W11 AMT RECEIVED LAST MONTH SSDI	Cont
12	S12DSSAMT	S12DSSAMT:W12 AMT RECEIVED LAST MONTH SSDI	Cont
13	S13DSSAMT	S13DSSAMT:W13 AMT RECEIVED LAST MONTH SSDI	Cont
14	S14DSSAMT	S14DSSAMT:W14 AMT RECEIVED LAST MONTH SSDI	Cont
15	S15DSSAMT	S15DSSAMT:W15 AMT RECEIVED LAST MONTH SSDI	Cont
16	S16DSSAMT	S16DSSAMT:W16 AMT RECEIVED LAST MONTH SSDI	Cont
5	R5DSIAMT	R5DSIAMT:W5 AMT RECEIVED LAST MONTH SSI	Cont
6	R6DSIAMT	R6DSIAMT:W6 AMT RECEIVED LAST MONTH SSI	Cont
7	R7DSIAMT	R7DSIAMT:W7 AMT RECEIVED LAST MONTH SSI	Cont
8	R8DSIAMT	R8DSIAMT:W8 AMT RECEIVED LAST MONTH SSI	Cont
9	R9DSIAMT	R9DSIAMT:W9 AMT RECEIVED LAST MONTH SSI	Cont
10	R10DSIAMT	R10DSIAMT:W10 AMT RECEIVED LAST MONTH SSI	Cont
11	R11DSIAMT	R11DSIAMT:W11 AMT RECEIVED LAST MONTH SSI	Cont
12	R12DSIAMT	R12DSIAMT:W12 AMT RECEIVED LAST MONTH SSI	Cont
13	R13DSIAMT	R13DSIAMT:W13 AMT RECEIVED LAST MONTH SSI	Cont
14	R14DSIAMT	R14DSIAMT:W14 AMT RECEIVED LAST MONTH SSI	Cont
15	R15DSIAMT	R15DSIAMT:W15 AMT RECEIVED LAST MONTH SSI	Cont
16	R16DSIAMT	R16DSIAMT:W16 AMT RECEIVED LAST MONTH SSI	Cont
5	S5DSIAMT	S5DSIAMT:W5 AMT RECEIVED LAST MONTH SSI	Cont
6	S6DSIAMT	S6DSIAMT:W6 AMT RECEIVED LAST MONTH SSI	Cont
7	S7DSIAMT	S7DSIAMT:W7 AMT RECEIVED LAST MONTH SSI	Cont
8	S8DSIAMT	S8DSIAMT:W8 AMT RECEIVED LAST MONTH SSI	Cont
9	S9DSIAMT	S9DSIAMT:W9 AMT RECEIVED LAST MONTH SSI	Cont
10	S10DSIAMT	S10DSIAMT:W10 AMT RECEIVED LAST MONTH SSI	Cont
11	S11DSIAMT	S11DSIAMT:W11 AMT RECEIVED LAST MONTH SSI	Cont
12	S12DSIAMT	S12DSIAMT:W12 AMT RECEIVED LAST MONTH SSI	Cont
13	S13DSIAMT	S13DSIAMT:W13 AMT RECEIVED LAST MONTH SSI	Cont
14	S14DSIAMT	S14DSIAMT:W14 AMT RECEIVED LAST MONTH SSI	Cont
15	S15DSIAMT	S15DSIAMT:W15 AMT RECEIVED LAST MONTH SSI	Cont
16	S16DSIAMT	S16DSIAMT:W16 AMT RECEIVED LAST MONTH SSI	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R5DSSAMT	686	684.92	328.92	0.0	1744.0
R6DSSAMT	770	755.57	352.62	0.0	3000.0
R7DSSAMT	685	817.51	439.43	0.0	7000.0
R8DSSAMT	746	860.40	396.43	0.0	2800.0
R9DSSAMT	636	913.06	429.57	0.0	3200.0
R10DSSAMT	1189	946.20	436.50	0.0	3500.0

R11DSSAMT	1091	1025.79	533.95	0.0	6000.0
R12DSSAMT	1062	1054.69	529.50	0.0	8250.0
R13DSSAMT	1538	1019.62	490.87	0.0	3700.0
R14DSSAMT	1173	1056.95	500.25	0.0	4194.0
R15DSSAMT	951	1121.66	505.70	0.0	5000.0
R16DSSAMT	1037	1215.21	558.98	0.0	4000.0
S5DSSAMT	415	725.75	340.68	0.0	1744.0
S6DSSAMT	490	795.79	375.22	0.0	3000.0
S7DSSAMT	387	880.72	496.79	0.0	7000.0
S8DSSAMT	452	913.54	415.46	0.0	2800.0
S9DSSAMT	366	962.83	444.35	0.0	3200.0
S10DSSAMT	591	980.23	479.06	0.0	3500.0
S11DSSAMT	541	1079.30	551.23	0.0	4187.0
S12DSSAMT	502	1127.88	627.23	0.0	8250.0
S13DSSAMT	679	1074.68	549.95	0.0	3700.0
S14DSSAMT	489	1125.15	530.85	0.0	3344.0
S15DSSAMT	385	1177.64	516.50	78.0	3010.0
S16DSSAMT	378	1283.35	608.33	0.0	3900.0
R5DSIAMT	298	376.20	244.77	0.0	1384.0
R6DSIAMT	292	374.00	275.88	0.0	1900.0
R7DSIAMT	252	415.96	266.54	0.0	1667.0
R8DSIAMT	272	454.18	313.53	0.0	2000.0
R9DSIAMT	247	507.31	339.40	0.0	1800.0
R10DSIAMT	453	558.81	579.02	0.0	9996.0
R11DSIAMT	464	582.35	484.10	0.0	5000.0
R12DSIAMT	407	551.07	443.55	0.0	6000.0
R13DSIAMT	482	607.06	560.41	0.0	8600.0
R14DSIAMT	479	616.57	379.63	0.0	2400.0
R15DSIAMT	375	592.03	359.79	0.0	2332.0
R16DSIAMT	698	753.89	525.59	0.0	6000.0
S5DSIAMT	86	387.78	268.60	0.0	1384.0
S6DSIAMT	94	396.49	335.26	0.0	1900.0
S7DSIAMT	77	398.66	281.19	8.0	1667.0
S8DSIAMT	90	433.29	371.35	0.0	2000.0
S9DSIAMT	87	523.84	392.47	4.0	1800.0
S10DSIAMT	160	593.26	863.04	0.0	9996.0
S11DSIAMT	167	610.34	617.81	0.0	5000.0
S12DSIAMT	144	588.90	550.59	0.0	6000.0
S13DSIAMT	145	669.95	813.24	0.0	8600.0
S14DSIAMT	151	615.66	396.63	0.0	2400.0
S15DSIAMT	106	540.07	311.21	0.0	1340.0
S16DSIAMT	206	791.16	627.39	0.0	6000.0

How Constructed

RwDSSAMT is the amount a Respondent reports receiving from Social Security Disability Insurance (SSDI) at Wave "w." RwDSIAMT is the amount a Respondent reports receiving from Supplemental Security Income (SSI) disability at Wave "w." These variables are available beginning in Wave 5. They are simply taken from the amounts reported in the raw data and recoded for missing values. Please note a respondent reports a value for R10DSIAMT of 9996. While this is close in proximity to raw variable special missing values of 9998 and 9999, 9996 is a possible valid value and has been verified by HRS.

A Respondent may be receiving benefits from either program or both. A separate variable RwDSTAT indicates whether a Respondent is receiving benefits at Wave "w." Please see "SSDI/SSI Status" for information on the RwDSTAT variables. If benefits ended between the current and prior interview, the amount reported is for the last month when benefits were received.

SwDSSAMT and SwDSIAMT are the amounts the Respondent's spouse is receiving from, respectively, SSDI and SSI, at Wave "w." It is taken from the spouse's self-reported RwDSSAMT and RwDSIAMT for Wave "w."

For more detailed information on disability applications and benefit receipt please see the "SSDI/SSI Disability Episodes" variables.

Cross Wave Differences in Original HRS Data

The Disability section of the HRS asks questions about whether the Respondent has applied for disability benefits from Social Security Disability Insurance (SSDI) or Supplemental Security Income (SSI) in every wave. Before Wave 5, the questions ask about the two programs together. From Wave 5 forward, the questions ask about the programs separately.

Beginning in Wave 5, Respondents who are receiving SSDI or SSI benefits are asked how much they receive each month. If they report benefits have stopped, they are asked how much they received in the last month that they received benefits. Beginning in Wave 7, it is also recorded whether an SSDI benefit has converted to Social Security (OASDI). For those converted benefits, the amount they received for disability is for their last month with SSDI.

HRS Variables Used

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HRS 2000:
    G4375           GD18AB. SSDI AMOUNT REC`D
    G4384           GD18BB. SSI AMOUNT REC`D
    G4397           GD18CH. SSDI AMOUNT REC`D
    G4410           GD18DM. SSDI AMOUNT REC`D
    G4417           GD18EE. SSI AMOUNT REC`D
    G4427           GD18ER. SSI AMOUNT REC`D
    G4467           GD26H.SSD AMOUNT REC`D
    G4485           GD27H.SSI AMOUNT REC`D
    G4876           GJ123JA. SSDI BENEFITS AMOUNT REC`D
    G4895           GJ125H. SSI BENEFITS AMOUNT REC`D
HRS 2002:
    HM030G1         HM030G1 SSDI AMOUNT REC_D
    HM030G2         HM030G2 SSI AMOUNT REC_D
    HM032G1         HM032G1 SSDI AMOUNT REC_D
    HM032G2         HM032G2 SSDI AMOUNT REC_D
    HM033D1         HM033D1 SSI AMOUNT REC_D
    HM033D2         HM033D2 SSI AMOUNT REC_D
    HM040Q          HM040Q SSDI AMOUNT REC_D
    HM041N          HM041N SSI AMOUNT REC_D
    HM648G1         SSDI AMOUNT RECEIVED-1
    HM654D1         SSI AMOUNT RECEIVED-1
HRS 2022:
    SM259           AMOUNT RECEIVED LAST MONTH
    SM279           SSI AMOUNT RECEIVED LAST MONTH
    SM285           SSDI AMOUNT RECEIVED LAST MONTH
    SM290           SSI AMOUNT RECEIVED LAST MONTH
HRS 2004-2020:
    xMW239A         HM040Q SSDI AMOUNT REC_D -1
    xMW239B         HM030G2 SSI AMOUNT REC_D -1
    xMW239C         HM032G1 SSDI AMOUNT REC_D -2
    xMW239D         HM033D1 SSI AMOUNT REC_D -2
    xMW239I         HM030G1 SSDI AMOUNT REC_D -3
    xMW239J         HM041N SSI AMOUNT REC_D -3
    xMW239Q         HM648G1 SSDI AMOUNT RECEIVED-1
    xMW239S         HM654D1 SSI AMOUNT RECEIVED-1
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Predicted SS wealth of Pre-retirees

Wave	Variable	Label	Type
1	H1SSWRER	H1SSWRER:W1 Total household SS wealth, all claiming at 62	Cont
2	H2SSWRER	H2SSWRER:W2 Total household SS wealth, all claiming at 62	Cont
3	H3SSWRER	H3SSWRER:W3 Total household SS wealth, all claiming at 62	Cont
4	H4SSWRER	H4SSWRER:W4 Total household SS wealth, all claiming at 62	Cont
5	H5SSWRER	H5SSWRER:W5 Total household SS wealth, all claiming at 62	Cont
6	H6SSWRER	H6SSWRER:W6 Total household SS wealth, all claiming at 62	Cont
7	H7SSWRER	H7SSWRER:W7 Total household SS wealth, all claiming at 62	Cont
8	H8SSWRER	H8SSWRER:W8 Total household SS wealth, all claiming at 62	Cont
9	H9SSWRER	H9SSWRER:W9 Total household SS wealth, all claiming at 62	Cont
10	H10SSWRER	H10SSWRER:W10 Total household SS wealth, all claiming at 62	Cont
11	H11SSWRER	H11SSWRER:W11 Total household SS wealth, all claiming at 62	Cont
12	H12SSWRER	H12SSWRER:W12 Total household SS wealth, all claiming at 62	Cont
13	H13SSWRER	H13SSWRER:W13 Total household SS wealth, all claiming at 62	Cont
14	H14SSWRER	H14SSWRER:W14 Total household SS wealth, all claiming at 62	Cont
15	H15SSWRER	H15SSWRER:W15 Total household SS wealth, all claiming at 62	Cont
1	R1SSWRER	R1SSWRER:W1 R SS wealth based on own earnings, claiming at 62	Cont
2	R2SSWRER	R2SSWRER:W2 R SS wealth based on own earnings, claiming at 62	Cont
3	R3SSWRER	R3SSWRER:W3 R SS wealth based on own earnings, claiming at 62	Cont
4	R4SSWRER	R4SSWRER:W4 R SS wealth based on own earnings, claiming at 62	Cont
5	R5SSWRER	R5SSWRER:W5 R SS wealth based on own earnings, claiming at 62	Cont
6	R6SSWRER	R6SSWRER:W6 R SS wealth based on own earnings, claiming at 62	Cont
7	R7SSWRER	R7SSWRER:W7 R SS wealth based on own earnings, claiming at 62	Cont
8	R8SSWRER	R8SSWRER:W8 R SS wealth based on own earnings, claiming at 62	Cont
9	R9SSWRER	R9SSWRER:W9 R SS wealth based on own earnings, claiming at 62	Cont
10	R10SSWRER	R10SSWRER:W10 R SS wealth based on own earnings, claiming at 62	Cont
11	R11SSWRER	R11SSWRER:W11 R SS wealth based on own earnings, claiming at 62	Cont
12	R12SSWRER	R12SSWRER:W12 R SS wealth based on own earnings, claiming at 62	Cont
13	R13SSWRER	R13SSWRER:W13 R SS wealth based on own earnings, claiming at 62	Cont
14	R14SSWRER	R14SSWRER:W14 R SS wealth based on own earnings, claiming at 62	Cont
15	R15SSWRER	R15SSWRER:W15 R SS wealth based on own earnings, claiming at 62	Cont
1	S1SSWRER	S1SSWRER:W1 S SS wealth based on own earnings, claiming at 62	Cont
2	S2SSWRER	S2SSWRER:W2 S SS wealth based on own earnings, claiming at 62	Cont
3	S3SSWRER	S3SSWRER:W3 S SS wealth based on own earnings, claiming at 62	Cont
4	S4SSWRER	S4SSWRER:W4 S SS wealth based on own earnings, claiming at 62	Cont
5	S5SSWRER	S5SSWRER:W5 S SS wealth based on own earnings, claiming at 62	Cont
6	S6SSWRER	S6SSWRER:W6 S SS wealth based on own earnings, claiming at 62	Cont
7	S7SSWRER	S7SSWRER:W7 S SS wealth based on own earnings, claiming at 62	Cont
8	S8SSWRER	S8SSWRER:W8 S SS wealth based on own earnings, claiming at 62	Cont
9	S9SSWRER	S9SSWRER:W9 S SS wealth based on own earnings, claiming at 62	Cont
10	S10SSWRER	S10SSWRER:W10 S SS wealth based on own earnings, claiming at 62	Cont
11	S11SSWRER	S11SSWRER:W11 S SS wealth based on own earnings, claiming at 62	Cont
12	S12SSWRER	S12SSWRER:W12 S SS wealth based on own earnings, claiming at 62	Cont
13	S13SSWRER	S13SSWRER:W13 S SS wealth based on own earnings, claiming at 62	Cont
14	S14SSWRER	S14SSWRER:W14 S SS wealth based on own earnings, claiming at 62	Cont
15	S15SSWRER	S15SSWRER:W15 S SS wealth based on own earnings, claiming at 62	Cont
1	R1SSWSER	R1SSWSER:W1 R SSW from spousal/survival benefits, claim at 62	Cont
2	R2SSWSER	R2SSWSER:W2 R SSW from spousal/survival benefits, claim at 62	Cont
3	R3SSWSER	R3SSWSER:W3 R SSW from spousal/survival benefits, claim at 62	Cont
4	R4SSWSER	R4SSWSER:W4 R SSW from spousal/survival benefits, claim at 62	Cont
5	R5SSWSER	R5SSWSER:W5 R SSW from spousal/survival benefits, claim at 62	Cont
6	R6SSWSER	R6SSWSER:W6 R SSW from spousal/survival benefits, claim at 62	Cont
7	R7SSWSER	R7SSWSER:W7 R SSW from spousal/survival benefits, claim at 62	Cont
8	R8SSWSER	R8SSWSER:W8 R SSW from spousal/survival benefits, claim at 62	Cont
9	R9SSWSER	R9SSWSER:W9 R SSW from spousal/survival benefits, claim at 62	Cont
10	R10SSWSER	R10SSWSER:W10 R SSW from spousal/survival benefits, claim at 62	Cont
11	R11SSWSER	R11SSWSER:W11 R SSW from spousal/survival benefits, claim at 62	Cont
12	R12SSWSER	R12SSWSER:W12 R SSW from spousal/survival benefits, claim at 62	Cont
13	R13SSWSER	R13SSWSER:W13 R SSW from spousal/survival benefits, claim at 62	Cont
14	R14SSWSER	R14SSWSER:W14 R SSW from spousal/survival benefits, claim at 62	Cont
15	R15SSWSER	R15SSWSER:W15 R SSW from spousal/survival benefits, claim at 62	Cont
1	S1SSWSER	S1SSWSER:W1 S SSW from spousal/survival benefits, claiming at 62	Cont
2	S2SSWSER	S2SSWSER:W2 S SSW from spousal/survival benefits, claiming at 62	Cont

3	S3SSWSER	S3SSWSER:W3 S SSW from spousal/survival benefits, claiming at 62	Cont
4	S4SSWSER	S4SSWSER:W4 S SSW from spousal/survival benefits, claiming at 62	Cont
5	S5SSWSER	S5SSWSER:W5 S SSW from spousal/survival benefits, claiming at 62	Cont
6	S6SSWSER	S6SSWSER:W6 S SSW from spousal/survival benefits, claiming at 62	Cont
7	S7SSWSER	S7SSWSER:W7 S SSW from spousal/survival benefits, claiming at 62	Cont
8	S8SSWSER	S8SSWSER:W8 S SSW from spousal/survival benefits, claiming at 62	Cont
9	S9SSWSER	S9SSWSER:W9 S SSW from spousal/survival benefits, claiming at 62	Cont
10	S10SSWSER	S10SSWSER:W10 S SSW from spousal/survival benefits, claiming at 62	Cont
11	S11SSWSER	S11SSWSER:W11 S SSW from spousal/survival benefits, claiming at 62	Cont
12	S12SSWSER	S12SSWSER:W12 S SSW from spousal/survival benefits, claiming at 62	Cont
13	S13SSWSER	S13SSWSER:W13 S SSW from spousal/survival benefits, claiming at 62	Cont
14	S14SSWSER	S14SSWSER:W14 S SSW from spousal/survival benefits, claiming at 62	Cont
15	S15SSWSER	S15SSWSER:W15 S SSW from spousal/survival benefits, claiming at 62	Cont
1	H1SSWRNR	H1SSWRNR:W1 Total household SS wealth, all claiming at NRA	Cont
2	H2SSWRNR	H2SSWRNR:W2 Total household SS wealth, all claiming at NRA	Cont
3	H3SSWRNR	H3SSWRNR:W3 Total household SS wealth, all claiming at NRA	Cont
4	H4SSWRNR	H4SSWRNR:W4 Total household SS wealth, all claiming at NRA	Cont
5	H5SSWRNR	H5SSWRNR:W5 Total household SS wealth, all claiming at NRA	Cont
6	H6SSWRNR	H6SSWRNR:W6 Total household SS wealth, all claiming at NRA	Cont
7	H7SSWRNR	H7SSWRNR:W7 Total household SS wealth, all claiming at NRA	Cont
8	H8SSWRNR	H8SSWRNR:W8 Total household SS wealth, all claiming at NRA	Cont
9	H9SSWRNR	H9SSWRNR:W9 Total household SS wealth, all claiming at NRA	Cont
10	H10SSWRNR	H10SSWRNR:W10 Total household SS wealth, all claiming at NRA	Cont
11	H11SSWRNR	H11SSWRNR:W11 Total household SS wealth, all claiming at NRA	Cont
12	H12SSWRNR	H12SSWRNR:W12 Total household SS wealth, all claiming at NRA	Cont
13	H13SSWRNR	H13SSWRNR:W13 Total household SS wealth, all claiming at NRA	Cont
14	H14SSWRNR	H14SSWRNR:W14 Total household SS wealth, all claiming at NRA	Cont
15	H15SSWRNR	H15SSWRNR:W15 Total household SS wealth, all claiming at NRA	Cont
1	R1SSWRNR	R1SSWRNR:W1 R SS wealth based on own earnings, claiming at NRA	Cont
2	R2SSWRNR	R2SSWRNR:W2 R SS wealth based on own earnings, claiming at NRA	Cont
3	R3SSWRNR	R3SSWRNR:W3 R SS wealth based on own earnings, claiming at NRA	Cont
4	R4SSWRNR	R4SSWRNR:W4 R SS wealth based on own earnings, claiming at NRA	Cont
5	R5SSWRNR	R5SSWRNR:W5 R SS wealth based on own earnings, claiming at NRA	Cont
6	R6SSWRNR	R6SSWRNR:W6 R SS wealth based on own earnings, claiming at NRA	Cont
7	R7SSWRNR	R7SSWRNR:W7 R SS wealth based on own earnings, claiming at NRA	Cont
8	R8SSWRNR	R8SSWRNR:W8 R SS wealth based on own earnings, claiming at NRA	Cont
9	R9SSWRNR	R9SSWRNR:W9 R SS wealth based on own earnings, claiming at NRA	Cont
10	R10SSWRNR	R10SSWRNR:W10 R SS wealth based on own earnings, claiming at NRA	Cont
11	R11SSWRNR	R11SSWRNR:W11 R SS wealth based on own earnings, claiming at NRA	Cont
12	R12SSWRNR	R12SSWRNR:W12 R SS wealth based on own earnings, claiming at NRA	Cont
13	R13SSWRNR	R13SSWRNR:W13 R SS wealth based on own earnings, claiming at NRA	Cont
14	R14SSWRNR	R14SSWRNR:W14 R SS wealth based on own earnings, claiming at NRA	Cont
15	R15SSWRNR	R15SSWRNR:W15 R SS wealth based on own earnings, claiming at NRA	Cont
1	S1SSWRNR	S1SSWRNR:W1 S SS wealth based on own earnings, claiming at NRA	Cont
2	S2SSWRNR	S2SSWRNR:W2 S SS wealth based on own earnings, claiming at NRA	Cont
3	S3SSWRNR	S3SSWRNR:W3 S SS wealth based on own earnings, claiming at NRA	Cont
4	S4SSWRNR	S4SSWRNR:W4 S SS wealth based on own earnings, claiming at NRA	Cont
5	S5SSWRNR	S5SSWRNR:W5 S SS wealth based on own earnings, claiming at NRA	Cont
6	S6SSWRNR	S6SSWRNR:W6 S SS wealth based on own earnings, claiming at NRA	Cont
7	S7SSWRNR	S7SSWRNR:W7 S SS wealth based on own earnings, claiming at NRA	Cont
8	S8SSWRNR	S8SSWRNR:W8 S SS wealth based on own earnings, claiming at NRA	Cont
9	S9SSWRNR	S9SSWRNR:W9 S SS wealth based on own earnings, claiming at NRA	Cont
10	S10SSWRNR	S10SSWRNR:W10 S SS wealth based on own earnings, claiming at NRA	Cont
11	S11SSWRNR	S11SSWRNR:W11 S SS wealth based on own earnings, claiming at NRA	Cont
12	S12SSWRNR	S12SSWRNR:W12 S SS wealth based on own earnings, claiming at NRA	Cont
13	S13SSWRNR	S13SSWRNR:W13 S SS wealth based on own earnings, claiming at NRA	Cont
14	S14SSWRNR	S14SSWRNR:W14 S SS wealth based on own earnings, claiming at NRA	Cont
15	S15SSWRNR	S15SSWRNR:W15 S SS wealth based on own earnings, claiming at NRA	Cont
1	R1SSWSNR	R1SSWSNR:W1 R SSW from spousal/survival benefits, claim at NRA	Cont
2	R2SSWSNR	R2SSWSNR:W2 R SSW from spousal/survival benefits, claim at NRA	Cont
3	R3SSWSNR	R3SSWSNR:W3 R SSW from spousal/survival benefits, claim at NRA	Cont
4	R4SSWSNR	R4SSWSNR:W4 R SSW from spousal/survival benefits, claim at NRA	Cont
5	R5SSWSNR	R5SSWSNR:W5 R SSW from spousal/survival benefits, claim at NRA	Cont
6	R6SSWSNR	R6SSWSNR:W6 R SSW from spousal/survival benefits, claim at NRA	Cont
7	R7SSWSNR	R7SSWSNR:W7 R SSW from spousal/survival benefits, claim at NRA	Cont
8	R8SSWSNR	R8SSWSNR:W8 R SSW from spousal/survival benefits, claim at NRA	Cont
9	R9SSWSNR	R9SSWSNR:W9 R SSW from spousal/survival benefits, claim at NRA	Cont
10	R10SSWSNR	R10SSWSNR:W10 R SSW from spousal/survival benefits, claim at NRA	Cont

11	R11SSWSNR	R11SSWSNR:W11 R SSW from spousal/survival benefits, claim at NRA	Cont
12	R12SSWSNR	R12SSWSNR:W12 R SSW from spousal/survival benefits, claim at NRA	Cont
13	R13SSWSNR	R13SSWSNR:W13 R SSW from spousal/survival benefits, claim at NRA	Cont
14	R14SSWSNR	R14SSWSNR:W14 R SSW from spousal/survival benefits, claim at NRA	Cont
15	R15SSWSNR	R15SSWSNR:W15 R SSW from spousal/survival benefits, claim at NRA	Cont
1	S1SSWSNR	S1SSWSNR:W1 S SSW from spousal/survival benefits, claiming at NRA	Cont
2	S2SSWSNR	S2SSWSNR:W2 S SSW from spousal/survival benefits, claiming at NRA	Cont
3	S3SSWSNR	S3SSWSNR:W3 S SSW from spousal/survival benefits, claiming at NRA	Cont
4	S4SSWSNR	S4SSWSNR:W4 S SSW from spousal/survival benefits, claiming at NRA	Cont
5	S5SSWSNR	S5SSWSNR:W5 S SSW from spousal/survival benefits, claiming at NRA	Cont
6	S6SSWSNR	S6SSWSNR:W6 S SSW from spousal/survival benefits, claiming at NRA	Cont
7	S7SSWSNR	S7SSWSNR:W7 S SSW from spousal/survival benefits, claiming at NRA	Cont
8	S8SSWSNR	S8SSWSNR:W8 S SSW from spousal/survival benefits, claiming at NRA	Cont
9	S9SSWSNR	S9SSWSNR:W9 S SSW from spousal/survival benefits, claiming at NRA	Cont
10	S10SSWSNR	S10SSWSNR:W10 S SSW from spousal/survival benefits, claiming at NRA	Cont
11	S11SSWSNR	S11SSWSNR:W11 S SSW from spousal/survival benefits, claiming at NRA	Cont
12	S12SSWSNR	S12SSWSNR:W12 S SSW from spousal/survival benefits, claiming at NRA	Cont
13	S13SSWSNR	S13SSWSNR:W13 S SSW from spousal/survival benefits, claiming at NRA	Cont
14	S14SSWSNR	S14SSWSNR:W14 S SSW from spousal/survival benefits, claiming at NRA	Cont
15	S15SSWSNR	S15SSWSNR:W15 S SSW from spousal/survival benefits, claiming at NRA	Cont
1	H1SSWRXA	H1SSWRXA:W1 Total household SS wealth, all claiming at 70	Cont
2	H2SSWRXA	H2SSWRXA:W2 Total household SS wealth, all claiming at 70	Cont
3	H3SSWRXA	H3SSWRXA:W3 Total household SS wealth, all claiming at 70	Cont
4	H4SSWRXA	H4SSWRXA:W4 Total household SS wealth, all claiming at 70	Cont
5	H5SSWRXA	H5SSWRXA:W5 Total household SS wealth, all claiming at 70	Cont
6	H6SSWRXA	H6SSWRXA:W6 Total household SS wealth, all claiming at 70	Cont
7	H7SSWRXA	H7SSWRXA:W7 Total household SS wealth, all claiming at 70	Cont
8	H8SSWRXA	H8SSWRXA:W8 Total household SS wealth, all claiming at 70	Cont
9	H9SSWRXA	H9SSWRXA:W9 Total household SS wealth, all claiming at 70	Cont
10	H10SSWRXA	H10SSWRXA:W10 Total household SS wealth, all claiming at 70	Cont
11	H11SSWRXA	H11SSWRXA:W11 Total household SS wealth, all claiming at 70	Cont
12	H12SSWRXA	H12SSWRXA:W12 Total household SS wealth, all claiming at 70	Cont
13	H13SSWRXA	H13SSWRXA:W13 Total household SS wealth, all claiming at 70	Cont
14	H14SSWRXA	H14SSWRXA:W14 Total household SS wealth, all claiming at 70	Cont
15	H15SSWRXA	H15SSWRXA:W15 Total household SS wealth, all claiming at 70	Cont
1	R1SSWRXA	R1SSWRXA:W1 R SS wealth based on own earnings, claiming at 70	Cont
2	R2SSWRXA	R2SSWRXA:W2 R SS wealth based on own earnings, claiming at 70	Cont
3	R3SSWRXA	R3SSWRXA:W3 R SS wealth based on own earnings, claiming at 70	Cont
4	R4SSWRXA	R4SSWRXA:W4 R SS wealth based on own earnings, claiming at 70	Cont
5	R5SSWRXA	R5SSWRXA:W5 R SS wealth based on own earnings, claiming at 70	Cont
6	R6SSWRXA	R6SSWRXA:W6 R SS wealth based on own earnings, claiming at 70	Cont
7	R7SSWRXA	R7SSWRXA:W7 R SS wealth based on own earnings, claiming at 70	Cont
8	R8SSWRXA	R8SSWRXA:W8 R SS wealth based on own earnings, claiming at 70	Cont
9	R9SSWRXA	R9SSWRXA:W9 R SS wealth based on own earnings, claiming at 70	Cont
10	R10SSWRXA	R10SSWRXA:W10 R SS wealth based on own earnings, claiming at 70	Cont
11	R11SSWRXA	R11SSWRXA:W11 R SS wealth based on own earnings, claiming at 70	Cont
12	R12SSWRXA	R12SSWRXA:W12 R SS wealth based on own earnings, claiming at 70	Cont
13	R13SSWRXA	R13SSWRXA:W13 R SS wealth based on own earnings, claiming at 70	Cont
14	R14SSWRXA	R14SSWRXA:W14 R SS wealth based on own earnings, claiming at 70	Cont
15	R15SSWRXA	R15SSWRXA:W15 R SS wealth based on own earnings, claiming at 70	Cont
1	S1SSWRXA	S1SSWRXA:W1 S SS wealth based on own earnings, claiming at 70	Cont
2	S2SSWRXA	S2SSWRXA:W2 S SS wealth based on own earnings, claiming at 70	Cont
3	S3SSWRXA	S3SSWRXA:W3 S SS wealth based on own earnings, claiming at 70	Cont
4	S4SSWRXA	S4SSWRXA:W4 S SS wealth based on own earnings, claiming at 70	Cont
5	S5SSWRXA	S5SSWRXA:W5 S SS wealth based on own earnings, claiming at 70	Cont
6	S6SSWRXA	S6SSWRXA:W6 S SS wealth based on own earnings, claiming at 70	Cont
7	S7SSWRXA	S7SSWRXA:W7 S SS wealth based on own earnings, claiming at 70	Cont
8	S8SSWRXA	S8SSWRXA:W8 S SS wealth based on own earnings, claiming at 70	Cont
9	S9SSWRXA	S9SSWRXA:W9 S SS wealth based on own earnings, claiming at 70	Cont
10	S10SSWRXA	S10SSWRXA:W10 S SS wealth based on own earnings, claiming at 70	Cont
11	S11SSWRXA	S11SSWRXA:W11 S SS wealth based on own earnings, claiming at 70	Cont
12	S12SSWRXA	S12SSWRXA:W12 S SS wealth based on own earnings, claiming at 70	Cont
13	S13SSWRXA	S13SSWRXA:W13 S SS wealth based on own earnings, claiming at 70	Cont
14	S14SSWRXA	S14SSWRXA:W14 S SS wealth based on own earnings, claiming at 70	Cont
15	S15SSWRXA	S15SSWRXA:W15 S SS wealth based on own earnings, claiming at 70	Cont
1	R1SSWSXA	R1SSWSXA:W1 R SSW from spousal/survival benefits, claim at 70	Cont
2	R2SSWSXA	R2SSWSXA:W2 R SSW from spousal/survival benefits, claim at 70	Cont

3	R3SSWSXA	R3SSWSXA:W3 R SSW from spousal/survival benefits, claim at 70	Cont
4	R4SSWSXA	R4SSWSXA:W4 R SSW from spousal/survival benefits, claim at 70	Cont
5	R5SSWSXA	R5SSWSXA:W5 R SSW from spousal/survival benefits, claim at 70	Cont
6	R6SSWSXA	R6SSWSXA:W6 R SSW from spousal/survival benefits, claim at 70	Cont
7	R7SSWSXA	R7SSWSXA:W7 R SSW from spousal/survival benefits, claim at 70	Cont
8	R8SSWSXA	R8SSWSXA:W8 R SSW from spousal/survival benefits, claim at 70	Cont
9	R9SSWSXA	R9SSWSXA:W9 R SSW from spousal/survival benefits, claim at 70	Cont
10	R10SSWSXA	R10SSWSXA:W10 R SSW from spousal/survival benefits, claim at 70	Cont
11	R11SSWSXA	R11SSWSXA:W11 R SSW from spousal/survival benefits, claim at 70	Cont
12	R12SSWSXA	R12SSWSXA:W12 R SSW from spousal/survival benefits, claim at 70	Cont
13	R13SSWSXA	R13SSWSXA:W13 R SSW from spousal/survival benefits, claim at 70	Cont
14	R14SSWSXA	R14SSWSXA:W14 R SSW from spousal/survival benefits, claim at 70	Cont
15	R15SSWSXA	R15SSWSXA:W15 R SSW from spousal/survival benefits, claim at 70	Cont

1	S1SSWSXA	S1SSWSXA:W1 S SSW from spousal/survival benefits, claiming at 70	Cont
2	S2SSWSXA	S2SSWSXA:W2 S SSW from spousal/survival benefits, claiming at 70	Cont
3	S3SSWSXA	S3SSWSXA:W3 S SSW from spousal/survival benefits, claiming at 70	Cont
4	S4SSWSXA	S4SSWSXA:W4 S SSW from spousal/survival benefits, claiming at 70	Cont
5	S5SSWSXA	S5SSWSXA:W5 S SSW from spousal/survival benefits, claiming at 70	Cont
6	S6SSWSXA	S6SSWSXA:W6 S SSW from spousal/survival benefits, claiming at 70	Cont
7	S7SSWSXA	S7SSWSXA:W7 S SSW from spousal/survival benefits, claiming at 70	Cont
8	S8SSWSXA	S8SSWSXA:W8 S SSW from spousal/survival benefits, claiming at 70	Cont
9	S9SSWSXA	S9SSWSXA:W9 S SSW from spousal/survival benefits, claiming at 70	Cont
10	S10SSWSXA	S10SSWSXA:W10 S SSW from spousal/survival benefits, claiming at 70	Cont
11	S11SSWSXA	S11SSWSXA:W11 S SSW from spousal/survival benefits, claiming at 70	Cont
12	S12SSWSXA	S12SSWSXA:W12 S SSW from spousal/survival benefits, claiming at 70	Cont
13	S13SSWSXA	S13SSWSXA:W13 S SSW from spousal/survival benefits, claiming at 70	Cont
14	S14SSWSXA	S14SSWSXA:W14 S SSW from spousal/survival benefits, claiming at 70	Cont
15	S15SSWSXA	S15SSWSXA:W15 S SSW from spousal/survival benefits, claiming at 70	Cont

1	R1CLAIMED	R1CLAIMED:W1 R already claiming SS benefits	Categ
2	R2CLAIMED	R2CLAIMED:W2 R already claiming SS benefits	Categ
3	R3CLAIMED	R3CLAIMED:W3 R already claiming SS benefits	Categ
4	R4CLAIMED	R4CLAIMED:W4 R already claiming SS benefits	Categ
5	R5CLAIMED	R5CLAIMED:W5 R already claiming SS benefits	Categ
6	R6CLAIMED	R6CLAIMED:W6 R already claiming SS benefits	Categ
7	R7CLAIMED	R7CLAIMED:W7 R already claiming SS benefits	Categ
8	R8CLAIMED	R8CLAIMED:W8 R already claiming SS benefits	Categ
9	R9CLAIMED	R9CLAIMED:W9 R already claiming SS benefits	Categ
10	R10CLAIMED	R10CLAIMED:W10 R already claiming SS benefits	Categ
11	R11CLAIMED	R11CLAIMED:W11 R already claiming SS benefits	Categ
12	R12CLAIMED	R12CLAIMED:W12 R already claiming SS benefits	Categ
13	R13CLAIMED	R13CLAIMED:W13 R already claiming SS benefits	Categ
14	R14CLAIMED	R14CLAIMED:W14 R already claiming SS benefits	Categ
15	R15CLAIMED	R15CLAIMED:W15 R already claiming SS benefits	Categ

1	S1CLAIMED	S1CLAIMED:W1 S already claiming SS benefits	Categ
2	S2CLAIMED	S2CLAIMED:W2 S already claiming SS benefits	Categ
3	S3CLAIMED	S3CLAIMED:W3 S already claiming SS benefits	Categ
4	S4CLAIMED	S4CLAIMED:W4 S already claiming SS benefits	Categ
5	S5CLAIMED	S5CLAIMED:W5 S already claiming SS benefits	Categ
6	S6CLAIMED	S6CLAIMED:W6 S already claiming SS benefits	Categ
7	S7CLAIMED	S7CLAIMED:W7 S already claiming SS benefits	Categ
8	S8CLAIMED	S8CLAIMED:W8 S already claiming SS benefits	Categ
9	S9CLAIMED	S9CLAIMED:W9 S already claiming SS benefits	Categ
10	S10CLAIMED	S10CLAIMED:W10 S already claiming SS benefits	Categ
11	S11CLAIMED	S11CLAIMED:W11 S already claiming SS benefits	Categ
12	S12CLAIMED	S12CLAIMED:W12 S already claiming SS benefits	Categ
13	S13CLAIMED	S13CLAIMED:W13 S already claiming SS benefits	Categ
14	S14CLAIMED	S14CLAIMED:W14 S already claiming SS benefits	Categ
15	S15CLAIMED	S15CLAIMED:W15 S already claiming SS benefits	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1SSWRER	12419	123600.10	66311.77	0.0	273800.0

H2SSWRER	10192	135569.38	73698.63	0.0	302000.0
H3SSWRER	8475	128414.71	71504.64	0.0	295800.0
H4SSWRER	9444	139664.79	77174.57	0.0	331900.0
H5SSWRER	7658	162372.86	91987.41	0.0	398600.0
H6SSWRER	6123	174716.85	101846.25	0.0	445500.0
H7SSWRER	7946	174014.66	98581.74	0.0	448800.0
H8SSWRER	6382	193674.24	111041.64	0.0	497600.0
H9SSWRER	5380	207983.16	120764.81	0.0	546000.0
H10SSWRER	10378	192550.27	117471.06	0.0	546500.0
H11SSWRER	8853	205744.43	125977.39	0.0	584700.0
H12SSWRER	7406	215291.48	134731.57	0.0	620400.0
H13SSWRER	9916	218596.63	139271.46	0.0	663900.0
H14SSWRER	7246	234104.06	149318.31	0.0	691000.0
H15SSWRER	5800	262377.10	171643.59	0.0	809900.0
R1SSWRER	11359	65242.41	39173.29	0.0	135400.0
R2SSWRER	9113	73735.75	43570.13	0.0	149600.0
R3SSWRER	7382	72317.84	42801.00	0.0	147300.0
R4SSWRER	8320	78847.84	45955.52	0.0	164300.0
R5SSWRER	6557	94004.01	54791.12	0.0	197300.0
R6SSWRER	4951	107008.04	61290.50	0.0	222600.0
R7SSWRER	6819	102648.75	59254.46	0.0	220900.0
R8SSWRER	5479	115395.77	65799.85	0.0	247500.0
R9SSWRER	4603	126510.82	72195.65	0.0	272700.0
R10SSWRER	9511	114690.80	69244.39	0.0	265000.0
R11SSWRER	7963	125077.07	74802.02	0.0	285500.0
R12SSWRER	6459	135846.15	81014.57	0.0	307500.0
R13SSWRER	8993	137317.31	82842.54	0.0	321200.0
R14SSWRER	6484	151258.02	89776.68	0.0	346700.0
R15SSWRER	5018	176378.14	104963.54	0.0	399900.0
S1SSWRER	8680	66421.57	39309.51	0.0	135400.0
S2SSWRER	6875	75286.37	43700.40	0.0	149600.0
S3SSWRER	5581	73361.78	43160.43	0.0	147300.0
S4SSWRER	6322	79783.23	46294.69	0.0	164300.0
S5SSWRER	5071	94832.14	55068.94	0.0	197300.0
S6SSWRER	3830	107888.88	61599.65	0.0	222600.0
S7SSWRER	5083	104614.97	59607.94	0.0	220900.0
S8SSWRER	4097	117363.00	66057.46	0.0	247500.0
S9SSWRER	3363	129138.77	72608.29	0.0	272700.0
S10SSWRER	6289	117772.27	69661.18	0.0	265000.0
S11SSWRER	5315	128047.28	74936.35	0.0	285500.0
S12SSWRER	4265	139537.68	81331.26	0.0	307500.0
S13SSWRER	5385	142722.67	84325.84	0.0	321200.0
S14SSWRER	3784	156473.57	91261.10	0.0	346700.0
S15SSWRER	2890	181085.40	106603.62	0.0	399900.0
H1SSWRNR	12453	128517.35	65877.43	0.0	289000.0
H2SSWRNR	11070	140042.25	74281.42	0.0	323700.0
H3SSWRNR	10053	132058.67	72650.23	0.0	311700.0
H4SSWRNR	11061	142495.55	78734.43	0.0	353100.0
H5SSWRNR	9223	165730.11	93230.63	0.0	418300.0
H6SSWRNR	7539	182257.29	107080.96	0.0	478300.0
H7SSWRNR	9408	182204.64	105460.92	0.0	504700.0
H8SSWRNR	7858	200290.30	115630.90	0.0	576400.0
H9SSWRNR	6699	212840.92	125751.82	0.0	622500.0
H10SSWRNR	11715	202371.29	124419.34	0.0	616600.0
H11SSWRNR	10368	220448.44	134433.23	0.0	662700.0
H12SSWRNR	8993	238672.53	147247.26	0.0	706800.0

H13SSWRNR	11709	241647.62	155545.51	0.0	751200.0
H14SSWRNR	8840	261113.22	171766.50	0.0	818900.0
H15SSWRNR	7500	306421.65	202311.78	0.0	959000.0
R1SSWRNR	11904	65912.16	39463.31	0.0	140900.0
R2SSWRNR	10269	75027.45	44631.48	0.0	160400.0
R3SSWRNR	9042	74308.56	44390.95	0.0	159800.0
R4SSWRNR	10026	80702.22	47642.84	0.0	173700.0
R5SSWRNR	8166	95929.15	56723.72	0.0	207000.0
R6SSWRNR	6371	110976.31	64993.90	0.0	241500.0
R7SSWRNR	8258	108236.98	64651.02	0.0	255900.0
R8SSWRNR	6801	120796.25	71026.28	0.0	285100.0
R9SSWRNR	5748	130874.34	75984.03	0.0	304700.0
R10SSWRNR	10807	120964.22	74524.96	0.0	303900.0
R11SSWRNR	9470	133723.98	81448.49	0.0	329000.0
R12SSWRNR	8128	147717.56	89251.81	0.0	349500.0
R13SSWRNR	10841	150187.89	93161.38	0.0	366900.0
R14SSWRNR	8098	166964.66	102872.41	0.0	405900.0
R15SSWRNR	6742	200812.98	122374.78	0.0	475400.0
S1SSWRNR	9207	67244.46	39698.90	0.0	140900.0
S2SSWRNR	7723	76821.38	44736.71	0.0	160400.0
S3SSWRNR	6669	75734.16	44574.67	0.0	159800.0
S4SSWRNR	7397	81929.31	47882.85	0.0	173700.0
S5SSWRNR	6119	97073.69	56949.24	0.0	207000.0
S6SSWRNR	4774	111962.57	65136.11	0.0	241500.0
S7SSWRNR	6036	110110.70	64773.54	0.0	255900.0
S8SSWRNR	5015	122550.71	71033.59	0.0	285100.0
S9SSWRNR	4139	133828.75	76077.28	0.0	304700.0
S10SSWRNR	7138	124547.53	75032.51	0.0	303900.0
S11SSWRNR	6263	137231.55	81593.41	0.0	329000.0
S12SSWRNR	5267	152430.19	89548.10	0.0	349500.0
S13SSWRNR	6480	156650.62	94789.20	0.0	366900.0
S14SSWRNR	4688	174236.56	105650.11	0.0	405900.0
S15SSWRNR	3856	208577.13	124888.45	0.0	475400.0
H1SSWRXA	12460	110020.76	55801.34	0.0	245000.0
H2SSWRXA	11123	122251.39	64147.48	0.0	275800.0
H3SSWRXA	10198	119367.31	65511.63	0.0	286100.0
H4SSWRXA	11670	128757.04	72034.30	0.0	322500.0
H5SSWRXA	10218	147877.14	85819.40	0.0	389900.0
H6SSWRXA	8357	166059.81	99850.01	0.0	449200.0
H7SSWRXA	10112	169626.20	101109.56	0.0	495700.0
H8SSWRXA	8476	188825.84	111824.15	0.0	553000.0
H9SSWRXA	7318	203094.89	122143.71	0.0	633300.0
H10SSWRXA	12210	195442.23	122047.51	0.0	647200.0
H11SSWRXA	10770	213056.28	132890.79	0.0	682200.0
H12SSWRXA	9333	234501.91	148403.13	0.0	710000.0
H13SSWRXA	12096	241718.50	158957.45	0.0	785800.0
H14SSWRXA	9215	261961.51	175268.98	0.0	854300.0
H15SSWRXA	7875	313483.59	210333.89	0.0	1012800.0
R1SSWRXA	12044	56636.80	34013.21	0.0	118900.0
R2SSWRXA	10495	65273.30	38935.09	0.0	136700.0
R3SSWRXA	9332	66566.18	39993.98	0.0	141500.0
R4SSWRXA	10642	73125.81	43968.35	0.0	159600.0
R5SSWRXA	9059	86604.87	52841.01	0.0	193000.0
R6SSWRXA	7098	101692.83	61735.21	0.0	224600.0
R7SSWRXA	8856	101811.03	62714.27	0.0	244800.0

R8SSWRXA	7317	115367.01	70280.97	0.0	285200.0
R9SSWRXA	6247	126920.73	76766.68	0.0	323300.0
R10SSWRXA	11182	118181.03	74689.87	0.0	317500.0
R11SSWRXA	9765	130619.06	81645.56	0.0	334700.0
R12SSWRXA	8406	146203.03	91207.76	0.0	366000.0
R13SSWRXA	11185	150541.12	96544.90	0.0	389600.0
R14SSWRXA	8422	167895.89	107071.47	0.0	426300.0
R15SSWRXA	7081	204619.69	129052.40	0.0	505500.0
S1SSWRXA	9344	57707.16	33965.17	0.0	118900.0
S2SSWRXA	7934	66844.30	38826.07	0.0	136700.0
S3SSWRXA	6938	67968.39	40113.29	0.0	141500.0
S4SSWRXA	7820	74426.36	43979.59	0.0	159600.0
S5SSWRXA	6657	88123.85	52795.31	0.0	193000.0
S6SSWRXA	5199	102927.85	61551.07	0.0	224600.0
S7SSWRXA	6386	103582.12	62562.47	0.0	244800.0
S8SSWRXA	5297	117156.65	69830.97	0.0	285200.0
S9SSWRXA	4437	129417.22	76359.28	0.0	323300.0
S10SSWRXA	7366	121533.71	74840.75	0.0	317500.0
S11SSWRXA	6454	134147.13	81879.04	0.0	334700.0
S12SSWRXA	5431	151057.43	91372.85	0.0	366000.0
S13SSWRXA	6675	157449.12	98385.15	0.0	389600.0
S14SSWRXA	4863	175489.82	109754.32	0.0	426300.0
S15SSWRXA	4052	213099.21	132135.81	0.0	505500.0
R1SSWSER	8329	13065.76	21217.52	0.0	84900.0
R2SSWSER	6587	14640.99	23693.60	0.0	94900.0
R3SSWSER	5340	13626.74	22272.27	0.0	89800.0
R4SSWSER	5967	13346.96	22487.81	0.0	94900.0
R5SSWSER	4756	15407.15	26084.43	0.0	111800.0
R6SSWSER	3580	17730.87	29619.69	0.0	125400.0
R7SSWSER	4717	16059.95	27904.56	0.0	124600.0
R8SSWSER	3710	16586.42	29382.83	0.0	135600.0
R9SSWSER	3020	16983.48	30672.78	0.0	143200.0
R10SSWSER	5516	15171.41	27746.73	0.0	135100.0
R11SSWSER	4596	15822.26	28938.35	0.0	136700.0
R12SSWSER	3662	16710.02	30468.15	0.0	148000.0
R13SSWSER	4643	17861.99	32221.67	0.0	148100.0
R14SSWSER	3228	19427.79	35287.93	0.0	161200.0
R15SSWSER	2514	22897.37	41563.99	0.0	193700.0
S1SSWSER	8260	13140.11	21261.60	0.0	84900.0
S2SSWSER	6523	14690.62	23723.89	0.0	94900.0
S3SSWSER	5297	13660.13	22313.97	0.0	89800.0
S4SSWSER	5904	13390.80	22543.53	0.0	94900.0
S5SSWSER	4728	15447.04	26127.07	0.0	111800.0
S6SSWSER	3567	17747.01	29623.35	0.0	125400.0
S7SSWSER	4683	16067.91	27924.18	0.0	124600.0
S8SSWSER	3696	16613.58	29423.78	0.0	135600.0
S9SSWSER	2993	17051.89	30740.29	0.0	143200.0
S10SSWSER	5422	15249.67	27849.62	0.0	135100.0
S11SSWSER	4545	15897.16	29019.62	0.0	136700.0
S12SSWSER	3601	16802.53	30581.11	0.0	148000.0
S13SSWSER	4537	17793.10	32192.96	0.0	148100.0
S14SSWSER	3132	19332.89	35296.52	0.0	161200.0
S15SSWSER	2430	22971.56	41779.29	0.0	193700.0
R1SSWSNR	8769	11229.03	18237.37	0.0	75100.0
R2SSWSNR	7324	12781.05	20686.07	0.0	84500.0

R3SSWSNR	6191	12204.78	19849.57	0.0	81700.0
R4SSWSNR	6779	11923.37	20111.81	0.0	86700.0
R5SSWSNR	5553	13646.21	23155.53	0.0	102800.0
R6SSWSNR	4337	15290.98	25753.40	0.0	114500.0
R7SSWSNR	5483	14238.45	24599.43	0.0	112400.0
R8SSWSNR	4394	15691.37	27063.35	0.0	125300.0
R9SSWSNR	3611	16601.41	28894.74	0.0	135100.0
R10SSWSNR	6141	14278.13	25252.75	0.0	124100.0
R11SSWSNR	5291	15185.03	27116.52	0.0	136000.0
R12SSWSNR	4418	16224.26	28932.69	0.0	145600.0
R13SSWSNR	5508	17073.33	30006.48	0.0	140200.0
R14SSWSNR	3916	18086.21	31929.40	0.0	151200.0
R15SSWSNR	3273	21708.62	38237.56	0.0	176000.0
S1SSWSNR	8700	11289.78	18277.17	0.0	75100.0
S2SSWSNR	7253	12821.92	20723.28	0.0	84500.0
S3SSWSNR	6135	12248.57	19901.96	0.0	81700.0
S4SSWSNR	6706	11969.76	20173.42	0.0	86700.0
S5SSWSNR	5517	13690.65	23202.30	0.0	102800.0
S6SSWSNR	4322	15312.66	25770.15	0.0	114500.0
S7SSWSNR	5446	14260.50	24640.84	0.0	112400.0
S8SSWSNR	4377	15719.95	27097.13	0.0	125300.0
S9SSWSNR	3584	16654.77	28962.75	0.0	135100.0
S10SSWSNR	6043	14292.32	25293.63	0.0	124100.0
S11SSWSNR	5233	15193.75	27124.09	0.0	136000.0
S12SSWSNR	4353	16313.74	29014.52	0.0	145600.0
S13SSWSNR	5385	17016.95	30014.42	0.0	140200.0
S14SSWSNR	3799	17980.39	31919.61	0.0	151200.0
S15SSWSNR	3169	21759.42	38362.15	0.0	176000.0
R1SSWSXA	8978	8340.08	13175.21	0.0	53000.0
R2SSWSXA	7616	9514.67	15017.71	0.0	60100.0
R3SSWSXA	6620	9441.54	14964.66	0.0	59900.0
R4SSWSXA	7334	9747.56	15902.76	0.0	67500.0
R5SSWSXA	6121	11452.31	18704.21	0.0	78300.0
R6SSWSXA	4742	13808.35	22267.83	0.0	94500.0
R7SSWSXA	5816	13108.36	21904.38	0.0	97800.0
R8SSWSXA	4697	14466.57	24156.85	0.0	110600.0
R9SSWSXA	3868	15431.85	25897.67	0.0	121200.0
R10SSWSXA	6332	13449.35	22940.37	0.0	113300.0
R11SSWSXA	5438	14173.34	24354.07	0.0	119000.0
R12SSWSXA	4585	15228.88	26152.49	0.0	128900.0
R13SSWSXA	5707	16711.02	28619.74	0.0	138500.0
R14SSWSXA	4103	18111.24	30937.73	0.0	146100.0
R15SSWSXA	3480	22773.36	38733.61	0.0	178800.0
S1SSWSXA	8908	8378.11	13205.24	0.0	53000.0
S2SSWSXA	7542	9549.91	15054.97	0.0	60100.0
S3SSWSXA	6560	9469.56	15004.14	0.0	59900.0
S4SSWSXA	7258	9779.55	15944.77	0.0	67500.0
S5SSWSXA	6076	11492.64	18748.30	0.0	78300.0
S6SSWSXA	4727	13823.78	22282.81	0.0	94500.0
S7SSWSXA	5778	13137.42	21947.32	0.0	97800.0
S8SSWSXA	4680	14491.26	24187.18	0.0	110600.0
S9SSWSXA	3841	15480.34	25958.47	0.0	121200.0
S10SSWSXA	6234	13480.46	23006.02	0.0	113300.0
S11SSWSXA	5379	14202.83	24394.05	0.0	119000.0
S12SSWSXA	4520	15314.93	26246.12	0.0	128900.0
S13SSWSXA	5582	16696.83	28696.55	0.0	138500.0

S14SSWSXA	3982	18089.53	31027.69	0.0	146100.0
S15SSWSXA	3369	22867.91	38930.43	0.0	178800.0
R1CLAIMED	12521	0.04	0.19	0.0	1.0
R2CLAIMED	11420	0.08	0.27	0.0	1.0
R3CLAIMED	10964	0.15	0.36	0.0	1.0
R4CLAIMED	13113	0.19	0.39	0.0	1.0
R5CLAIMED	12453	0.27	0.45	0.0	1.0
R6CLAIMED	12108	0.41	0.49	0.0	1.0
R7CLAIMED	14987	0.41	0.49	0.0	1.0
R8CLAIMED	14151	0.48	0.50	0.0	1.0
R9CLAIMED	13621	0.54	0.50	0.0	1.0
R10CLAIMED	19253	0.42	0.49	0.0	1.0
R11CLAIMED	18277	0.47	0.50	0.0	1.0
R12CLAIMED	17000	0.51	0.50	0.0	1.0
R13CLAIMED	19747	0.43	0.50	0.0	1.0
R14CLAIMED	16412	0.49	0.50	0.0	1.0
R15CLAIMED	15265	0.54	0.50	0.0	1.0
S1CLAIMED	9772	0.04	0.20	0.0	1.0
S2CLAIMED	8742	0.09	0.29	0.0	1.0
S3CLAIMED	8298	0.16	0.37	0.0	1.0
S4CLAIMED	9806	0.20	0.40	0.0	1.0
S5CLAIMED	9308	0.29	0.45	0.0	1.0
S6CLAIMED	8874	0.41	0.49	0.0	1.0
S7CLAIMED	10754	0.41	0.49	0.0	1.0
S8CLAIMED	9986	0.47	0.50	0.0	1.0
S9CLAIMED	9292	0.52	0.50	0.0	1.0
S10CLAIMED	12574	0.41	0.49	0.0	1.0
S11CLAIMED	11791	0.45	0.50	0.0	1.0
S12CLAIMED	10546	0.49	0.50	0.0	1.0
S13CLAIMED	11536	0.42	0.49	0.0	1.0
S14CLAIMED	9232	0.47	0.50	0.0	1.0
S15CLAIMED	8404	0.52	0.50	0.0	1.0

Categorical Variable Codes

RwCLAIMED: R already claiming SS benefits

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	24				1					
.N=R ineligible for SSW mea	107	8222	7027	8271	7124	6058	5142	4318	3596	2781
0.No	12044	10495	9332	10642	9059	7098	8856	7317	6247	11182
1.Yes	477	925	1632	2471	3394	5010	6131	6834	7374	8071

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing						
.N=R ineligible for SSW mea	2277	1747	1165	734	458	
0.No	9765	8406	11185	8422	7081	
1.Yes	8512	8594	8562	7990	8184	

SwCLAIMED: S already claiming SS benefits

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	22		10		2	7	3	5	4	4
.N=R ineligible for SSW mea	107	8222	7027	8271	7124	6058	5142	4318	3596	2781
.U=Unmarried	2373	2294	2334	2912	2920	3054	3909	3890	4007	6007
.V=Spouse NR	378	384	322	395	224	172	321	270	318	668
0.No	9344	7932	6936	7818	6655	5199	6386	5297	4437	7366
1.Yes	428	810	1362	1988	2653	3675	4368	4689	4855	5208

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	8		1		11	
.N=R ineligible for SSW mea	2277	1747	1165	734	458	
.U=Unmarried	5924	5869	7123	6083	5809	
.V=Spouse NR	554	585	1087	1097	1041	
0.No	6453	5431	6675	4863	4052	
1.Yes	5338	5115	4861	4369	4352	

General Comments

Beginning with the RAND HRS Longitudinal File 2020 (V2), the variables in this section have been updated to incorporate changes implemented in the recent release of the Cross-Wave Prospective Social Security Wealth Measures of Pre-Retirees from HRS. This release replaces all other public-use Social Security wealth data products from HRS, expands the data to cover every wave, and recalculates the wealth measures in earlier waves based on newly available linked Social Security earnings records as of 2020. It is important to note that the method for calculating the Social Security wealth amounts has changed considerably. Therefore, users should expect to see substantial differences compared to versions before the RAND HRS Longitudinal File 2020 (V2). Please review the "How Constructed" documentation below for more information.

Note that Wave 16 (2022) data is not yet available.

How Constructed

The Predicted Social Security wealth of Pre-retirees is taken directly from the HRS Cross-Wave Prospective Social Security Wealth Measures of Pre-Retirees 1992-2020 file.

These measures are constructed using the HRS survey data as well as SSA's administrative records and are only calculated for individuals who have not yet retired (as evidenced by claiming SS benefits). Analysts interested in SS wealth for current retirees should apply for access to the restricted version of the SS wealth file from HRS directly.

RwSSWRER is the Respondent's predicted SS wealth based on their retirement insurance benefit and is calculated using the Respondent's own earnings records, assuming a claim age of 62. RwSSWRNR is the same calculation assuming a full retirement claim age, and RwSSWRXA is the calculation assuming a claim age of 70.

RwSSWSER is the Respondent's predicted SS wealth based on their incremental auxiliary spouse benefit and is calculated using the spousal and/or survivor benefit based on their spouse's earning history, assuming a claim age of 62. RwSSWSNR is the same calculation assuming a full retirement claim age, and RwSSWSXA is the calculation assuming a claim age of 70.

Please refer to the Cross-Wave Prospective Social Security Wealth Measures of Pre-Retirees documentation for more details.

RwCLAIMED is an indicator variable (0 = No, 1 = Yes) that says whether the Respondent has already claimed SS benefits as of the wave date. If RwCLAIMED=1, then all the Respondent retirement insurance benefit wealth variables will be missing.

SwSSWRER, SwSSWRNR, SwSSWRXA, SwSSWSER, SwSSWSNR, SwSSWSXA, and SwCLAIMED are the analogous spouse variables.

Household-level versions of the Social Security wealth measures that combine the information in the corresponding Respondent and spouse variables are also provided:

The individual components used to derive HwSSWRER, assuming both the Respondent and spouse claim at age 62, are: RwSSWRER, RwSSWSER, SwSSWRER, and SwSSWSER.

The individual components used to derive HwSSWRNR, assuming both the Respondent and spouse claim at their respective full retirement ages, are: RwSSWRNR, RwSSWSNR, SwSSWRNR, and SwSSWSNR.

The individual components used to derive HwSSWRXA, assuming both the Respondent and spouse claim at age 70, are: RwSSWRXA, RwSSWSXA, SwSSWRXA, and SwSSWSXA.

For all of the Respondent-level SS wealth variables, if the Respondent's age is at or above the assumed claim age, then the variable is set to .A=N/A due to age. If the Respondent has already claimed Social Security, the variable is set to .C=Already Claimed. If the Respondent is ineligible to have a predicted wealth variable because they fall into the CODA or AHEAD cohorts, not included in the Cross-Wave Prospective Social Security Wealth Measures of Pre-Retirees file, the variable is set to .N=R ineligible for SSW measure. If the value is missing for any other reason, then the variable is set to .M=Other Missing. The spouse SS wealth variables also use these missing values along with .U=Unmarried and .V=Spouse NR.

Section K: Pensions

Currently receiving any pension income

Wave	Variable	Label	Type
2	R2PENINC	R2PENINC:W2 R current receiving pension income	Categ
3	R3PENINC	R3PENINC:W3 R current receiving pension income	Categ
4	R4PENINC	R4PENINC:W4 R current receiving pension income	Categ
5	R5PENINC	R5PENINC:W5 R current receiving pension income	Categ
6	R6PENINC	R6PENINC:W6 R current receiving pension income	Categ
7	R7PENINC	R7PENINC:W7 R current receiving pension income	Categ
8	R8PENINC	R8PENINC:W8 R current receiving pension income	Categ
9	R9PENINC	R9PENINC:W9 R current receiving pension income	Categ
10	R10PENINC	R10PENINC:W10 R current receiving pension income	Categ
11	R11PENINC	R11PENINC:W11 R current receiving pension income	Categ
12	R12PENINC	R12PENINC:W12 R current receiving pension income	Categ
13	R13PENINC	R13PENINC:W13 R current receiving pension income	Categ
14	R14PENINC	R14PENINC:W14 R current receiving pension income	Categ
15	R15PENINC	R15PENINC:W15 R current receiving pension income	Categ
16	R16PENINC	R16PENINC:W16 R current receiving pension income	Categ
2	S2PENINC	S2PENINC:W2 S current receiving pension income	Categ
3	S3PENINC	S3PENINC:W3 S current receiving pension income	Categ
4	S4PENINC	S4PENINC:W4 S current receiving pension income	Categ
5	S5PENINC	S5PENINC:W5 S current receiving pension income	Categ
6	S6PENINC	S6PENINC:W6 S current receiving pension income	Categ
7	S7PENINC	S7PENINC:W7 S current receiving pension income	Categ
8	S8PENINC	S8PENINC:W8 S current receiving pension income	Categ
9	S9PENINC	S9PENINC:W9 S current receiving pension income	Categ
10	S10PENINC	S10PENINC:W10 S current receiving pension income	Categ
11	S11PENINC	S11PENINC:W11 S current receiving pension income	Categ
12	S12PENINC	S12PENINC:W12 S current receiving pension income	Categ
13	S13PENINC	S13PENINC:W13 S current receiving pension income	Categ
14	S14PENINC	S14PENINC:W14 S current receiving pension income	Categ
15	S15PENINC	S15PENINC:W15 S current receiving pension income	Categ
16	S16PENINC	S16PENINC:W16 S current receiving pension income	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2PENINC	11272	0.16	0.36	0.0	1.0
R3PENINC	17735	0.27	0.44	0.0	1.0
R4PENINC	20963	0.26	0.44	0.0	1.0
R5PENINC	19238	0.29	0.46	0.0	1.0
R6PENINC	17879	0.30	0.46	0.0	1.0
R7PENINC	19839	0.26	0.44	0.0	1.0
R8PENINC	18225	0.27	0.45	0.0	1.0
R9PENINC	16963	0.27	0.45	0.0	1.0
R10PENINC	21396	0.19	0.39	0.0	1.0
R11PENINC	20199	0.22	0.42	0.0	1.0
R12PENINC	18366	0.24	0.43	0.0	1.0
R13PENINC	20340	0.21	0.40	0.0	1.0
R14PENINC	16580	0.21	0.40	0.0	1.0
R15PENINC	15108	0.21	0.41	0.0	1.0
R16PENINC	15177	0.21	0.41	0.0	1.0
S2PENINC	9014	0.16	0.37	0.0	1.0
S3PENINC	12230	0.24	0.43	0.0	1.0
S4PENINC	14215	0.24	0.42	0.0	1.0
S5PENINC	12849	0.26	0.44	0.0	1.0
S6PENINC	11690	0.27	0.44	0.0	1.0

S7PENINC	13176	0.23	0.42	0.0	1.0
S8PENINC	11898	0.24	0.43	0.0	1.0
S9PENINC	10841	0.24	0.43	0.0	1.0
S10PENINC	13787	0.16	0.37	0.0	1.0
S11PENINC	12856	0.11	0.32	0.0	1.0
S12PENINC	11384	0.15	0.35	0.0	1.0
S13PENINC	12488	0.12	0.33	0.0	1.0
S14PENINC	10056	0.13	0.33	0.0	1.0
S15PENINC	9103	0.14	0.34	0.0	1.0
S16PENINC	8823	0.12	0.33	0.0	1.0

Categorical Variable Codes

RwPENINC: R current receiving pension income

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			25	27	39	40	60	37	43	47
.J=Web interview, missing										
.M=Oth missing		148	149	219	139	47	90	65	76	420
.Q=Not asked this wv		8222								
.R=RF			82	175	162	199	140	142	135	171
0.No		9508	12976	15409	13563	12517	14616	13260	12303	17374
1.Yes		1764	4759	5554	5675	5362	5223	4965	4660	4022

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	43	56	33	28	43	42
.J=Web interview, missing				27	32	30
.M=Oth missing	172	199	380	372	412	406
.Q=Not asked this wv						
.R=RF	140	126	159	139	128	132
0.No	15710	13994	16168	13175	11861	12011
1.Yes	4489	4372	4172	3405	3247	3166

SwPENINC: S current receiving pension income

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			11	13	18	13	21	14	17	17
.J=Web interview, missing										
.M=Oth missing		111	106	194	94	38	77	52	63	330
.Q=Not asked this wv		4549								
.R=RF			51	118	103	133	93	90	92	109
.U=Unmarried		5968	5593	6844	6514	6291	6762	6415	6204	7791
.V=Spouse NR										
0.No		7586	9267	10865	9469	8552	10140	9020	8187	11554
1.Yes		1428	2963	3350	3380	3138	3036	2878	2654	2233

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	22	23	14	13	29	28
.J=Web interview, missing				22	20	24
.M=Oth missing	139	145	298	290	299	286
.Q=Not asked this wv						
.R=RF	73	74	101	81	81	86
.U=Unmarried	7457	7106	7992	6658	6164	6507

.V=Spouse NR	7	15	19	26	27	33
0.No	11398	9705	10986	8768	7871	7721
1.Yes	1458	1679	1502	1288	1232	1102

General Comments

For Waves 1-10, receipt of pension income variables are based on information given about pensions in the Assets and Income section and do not consider information given about past pensions in the Employment section. The relevant pension questions are reported at the household-level and are asked only of the Financial Respondent about the Financial Respondent's pension income and, if married, the Financial Respondent's spouse's pension income. Adjustments are made when these measures are merged to the Respondent level, depending on whether the Respondent is the Financial Respondent or not. If the Respondent is the Financial Respondent, then measures concerning the Financial Respondent are assigned to the Respondent and those about the Financial Respondent's spouse are assigned to the Respondent's spouse. But if the Respondent is not the Financial Respondent, then measures about the Financial Respondent are assigned to the Respondent's spouse and those concerning the Financial Respondent's spouse are assigned to the Respondent.

Beginning in Wave 11, the questionnaire introduced a stand-alone Pension section, and information from this section is used to generate pension income variables when information from the Assets and Income section is not available. In the Pension section, relevant questions are reported at the pension level and are asked of both Financial and non-Financial Respondents who are currently working or who have previously reported having employer-provided pension plans.

How Constructed

RwPENINC indicates whether the Respondent is currently receiving any pension income. SwPENINC provides the information for the Respondent's spouse or partner.

In Wave 2H and from Wave 3 forward, if the Respondent or both the Respondent and spouse/partner are currently receiving pension income, then RwPENINC is set to yes (=1). If no one or only the spouse/partner is receiving pension income, then RwPENINC is set to no (=0).

Beginning in Wave 11, information from the standalone Pension section is incorporated for Respondents who do not have available information in the Assets and Income Section. Using data from the Pension section, RwPENINC is set to yes (=1) if the Respondent indicates that they receive any income from up to ten individual pension plans. If the Respondent does not indicate receiving income from any plans, RwPENINC is set to no (=0).

Otherwise, RwPENINC is set to a missing value based on missing values in HRS variables.

If the spouse/partner or both are currently receiving pension income, then SwPENINC is set to yes (=1). If no one or only the Respondent is receiving pension income, then SwPENINC is set to no (=0). Otherwise, SwPENINC is set to a missing value based on missing values in HRS variables.

If the Respondent is not married, SwPENINC is set to .U=unmarried.

These variables are included to provide context to the measure about continuation of pensions after death. Since that question is not asked in Waves 1 and 2A, the measure is not included for these earlier waves at this time. See the "Whether pensions can continue" section for more information.

Cross Wave Differences in Original HRS Data

The question wording in the Assets and Income Section is consistent across waves. There are two questions that ask whether the Financial Respondent and/or spouse are currently receiving pension income.

The first question asks: "Are you (or your (husband/wife/partner)) currently receiving an income from retirement pensions?" If

yes, a subsequent question asks: "Who receives that?" The answers may be "RESPONDENT ONLY," "SPOUSE/PARTNER ONLY" or "BOTH."

Beginning in Wave 11, information from the standalone Pension section is incorporated for Respondents who do not have available information in the Assets and Income section. The question, "Are you currently receiving regular payments from your [plan name]?" is asked of both the Financial and non-Financial Respondent if they report having an employer-provided pension plan. The question wording is consistent from Wave 11 forward.

HRS Variables Used

```
HRS 1994:
    W6071           N20.RETIREMENT PENSIONS?
    WR6072          N20a.WHO RECEIVES PENSIO/ Self
AHEAD 1995:
    D4191           J30.RET PENSION
    DR4192          J30a.WHO RECD PENSION / R
HRS 1996:
    E4209           J127.RET PENSION
    ER4210          J128.WHO RECD PENSION/Self
HRS 1998:
    F4969           J127.RET PENSION
    FR4970          J128.WHO RECD PENSION/Self
HRS 2000:
    G5424           J127.RET PENSION
    GR5425          J128.WHO RECD PENSION/Self
HRS 2002-2022:
    xQ215           PENSION RETIREMENT INCOME
    xQR216          WHO REC PENSION RETIREMENT INC/Self
HRS 2012-2018:
    xJ2W108_10      STARTED RECEIVING ANNUITY -1_10
    xJ2W426_10      RECEIVING BENEFITS -1_10
    xJ2W440_10      PLAN STATUS-CONVERTED TO ANNUITY -1_10
HRS 2012-2022:
    xJ2W108_1       STARTED RECEIVING ANNUITY -1_1
    xJ2W108_2       STARTED RECEIVING ANNUITY -1_2
    xJ2W108_3       STARTED RECEIVING ANNUITY -1_3
    xJ2W108_4       STARTED RECEIVING ANNUITY -1_4
    xJ2W108_5       STARTED RECEIVING ANNUITY -1_5
    xJ2W108_6       STARTED RECEIVING ANNUITY -1_6
    xJ2W108_7       STARTED RECEIVING ANNUITY -1_7
    xJ2W108_8       STARTED RECEIVING ANNUITY -1_8
    xJ2W108_9       STARTED RECEIVING ANNUITY -1_9
    xJ2W426_1       RECEIVING BENEFITS -1_1
    xJ2W426_2       RECEIVING BENEFITS -1_2
    xJ2W426_3       RECEIVING BENEFITS -1_3
    xJ2W426_4       RECEIVING BENEFITS -1_4
    xJ2W426_5       RECEIVING BENEFITS -1_5
    xJ2W426_6       RECEIVING BENEFITS -1_6
    xJ2W426_7       RECEIVING BENEFITS -1_7
    xJ2W426_8       RECEIVING BENEFITS -1_8
    xJ2W426_9       RECEIVING BENEFITS -1_9
    xJ2W440_1       PLAN STATUS-CONVERTED TO ANNUITY -1_1
    xJ2W440_2       PLAN STATUS-CONVERTED TO ANNUITY -1_2
    xJ2W440_3       PLAN STATUS-CONVERTED TO ANNUITY -1_3
    xJ2W440_4       PLAN STATUS-CONVERTED TO ANNUITY -1_4
    xJ2W440_5       PLAN STATUS-CONVERTED TO ANNUITY -1_5
    xJ2W440_6       PLAN STATUS-CONVERTED TO ANNUITY -1_6
    xJ2W440_7       PLAN STATUS-CONVERTED TO ANNUITY -1_7
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xJ2W440_8       PLAN STATUS-CONVERTED TO ANNUITY -1_8
xJ2W440_9       PLAN STATUS-CONVERTED TO ANNUITY -1_9
```

Number of pensions currently receive

Wave	Variable	Label	Type
2	R2PENI_N	R2PENI_N:W2 # pensions R receives income	Categ
3	R3PENI_N	R3PENI_N:W3 # pensions R receives income	Categ
4	R4PENI_N	R4PENI_N:W4 # pensions R receives income	Categ
5	R5PENI_N	R5PENI_N:W5 # pensions R receives income	Categ
6	R6PENI_N	R6PENI_N:W6 # pensions R receives income	Categ
7	R7PENI_N	R7PENI_N:W7 # pensions R receives income	Categ
8	R8PENI_N	R8PENI_N:W8 # pensions R receives income	Categ
9	R9PENI_N	R9PENI_N:W9 # pensions R receives income	Categ
10	R10PENI_N	R10PENI_N:W10 # pensions R receives income	Categ
11	R11PENI_N	R11PENI_N:W11 # pensions R receives income	Categ
12	R12PENI_N	R12PENI_N:W12 # pensions R receives income	Categ
13	R13PENI_N	R13PENI_N:W13 # pensions R receives income	Categ
14	R14PENI_N	R14PENI_N:W14 # pensions R receives income	Categ
15	R15PENI_N	R15PENI_N:W15 # pensions R receives income	Categ
16	R16PENI_N	R16PENI_N:W16 # pensions R receives income	Categ
2	S2PENI_N	S2PENI_N:W2 # pensions S receives income	Categ
3	S3PENI_N	S3PENI_N:W3 # pensions S receives income	Categ
4	S4PENI_N	S4PENI_N:W4 # pensions S receives income	Categ
5	S5PENI_N	S5PENI_N:W5 # pensions S receives income	Categ
6	S6PENI_N	S6PENI_N:W6 # pensions S receives income	Categ
7	S7PENI_N	S7PENI_N:W7 # pensions S receives income	Categ
8	S8PENI_N	S8PENI_N:W8 # pensions S receives income	Categ
9	S9PENI_N	S9PENI_N:W9 # pensions S receives income	Categ
10	S10PENI_N	S10PENI_N:W10 # pensions S receives income	Categ
11	S11PENI_N	S11PENI_N:W11 # pensions S receives income	Categ
12	S12PENI_N	S12PENI_N:W12 # pensions S receives income	Categ
13	S13PENI_N	S13PENI_N:W13 # pensions S receives income	Categ
14	S14PENI_N	S14PENI_N:W14 # pensions S receives income	Categ
15	S15PENI_N	S15PENI_N:W15 # pensions S receives income	Categ
16	S16PENI_N	S16PENI_N:W16 # pensions S receives income	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2PENI_N	1757	1.12	0.36	1.0	4.0
R3PENI_N	4742	1.11	0.36	1.0	5.0
R4PENI_N	5543	1.12	0.37	1.0	4.0
R5PENI_N	5670	1.13	0.38	1.0	6.0
R6PENI_N	5357	1.13	0.37	1.0	5.0
R7PENI_N	5217	1.15	0.40	1.0	4.0
R8PENI_N	4960	1.14	0.39	1.0	4.0
R9PENI_N	4655	1.15	0.42	1.0	4.0
R10PENI_N	4011	1.19	0.45	1.0	4.0
R11PENI_N	4483	1.17	0.43	1.0	5.0
R12PENI_N	4367	1.17	0.45	1.0	5.0
R13PENI_N	4166	1.17	0.44	1.0	5.0
R14PENI_N	3400	1.19	0.47	1.0	5.0
R15PENI_N	3239	1.18	0.45	1.0	4.0
R16PENI_N	3159	1.18	0.46	1.0	6.0
S2PENI_N	1421	1.12	0.37	1.0	4.0
S3PENI_N	2952	1.11	0.36	1.0	5.0
S4PENI_N	3341	1.11	0.36	1.0	4.0
S5PENI_N	3378	1.11	0.36	1.0	4.0
S6PENI_N	3137	1.11	0.35	1.0	5.0

S7PENI_N	3033	1.14	0.39	1.0	4.0
S8PENI_N	2874	1.12	0.37	1.0	4.0
S9PENI_N	2652	1.14	0.39	1.0	4.0
S10PENI_N	2227	1.16	0.43	1.0	4.0
S11PENI_N	1733	0.96	0.56	0.0	4.0
S12PENI_N	1858	1.05	0.53	0.0	4.0
S13PENI_N	1694	1.04	0.55	0.0	5.0
S14PENI_N	1452	1.06	0.60	0.0	5.0
S15PENI_N	1397	1.05	0.59	0.0	4.0
S16PENI_N	1257	1.04	0.59	0.0	5.0

Categorical Variable Codes

RwPENI_N: # pensions R receives income

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		3	11	5	1	3		1	2	5
.J=Web interview, missing										
.M=Oth missing		3		2	2		4		2	2
.Q=Not asked this wv		8222								
.R=RF		1	6	4	2	2	2	4	1	4
.Z=Whether pen inc=no or mi		9656	13232	15830	13903	12803	14906	13504	12557	18012
1		1577	4256	4954	5043	4748	4531	4330	4026	3363
2		161	440	523	558	550	622	567	552	566
3		15	39	54	57	53	49	53	66	69
4		4	6	12	11	5	15	10	11	13
5			1			1				
6					1					

Value	w11	w12	w13	w14	w15	w16
.D=DK	3		1	1	2	1
.J=Web interview, missing				2	5	5
.M=Oth missing	1	1		1	1	1
.Q=Not asked this wv						
.R=RF	2	4	5	1		
.Z=Whether pen inc=no or mi	16065	14375	16740	13741	12476	12621
1	3822	3705	3541	2832	2748	2675
2	582	574	542	486	420	421
3	67	76	74	71	61	50
4	10	10	8	10	10	11
5	2	2	1	1		1
6						1

SwPENI_N: # pensions S receives income

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		3	7	4				1	1	3
.J=Web interview, missing										
.M=Oth missing		3		3	1		2		1	1
.Q=Not asked this wv		4549								
.R=RF		1	4	2	1	1	1	3		2
.U=Unmarried		5968	5593	6844	6514	6291	6762	6415	6204	7791
.V=Spouse NR										
.Z=Whether pen inc=no or mi		7697	9435	11190	9684	8736	10331	9176	8359	12010
0										
1		1268	2669	3026	3054	2816	2660	2568	2334	1907
2		136	249	275	285	291	336	272	278	279
3		14	29	35	33	27	29	28	35	36
4		3	4	5	6	2	8	6	5	5
5			1			1				

Value	w11	w12	w13	w14	w15	w16
.D=DK	1		2	1		1
.J=Web interview, missing				2	3	4
.M=Oth missing				1		
.Q=Not asked this wv						
.R=RF			1			
.U=Unmarried	7457	7106	7992	6658	6164	6507
.V=Spouse NR	7	15	19	26	27	33
.Z=Whether pen inc=no or mi	11356	9768	11204	9006	8132	7985
0	276	179	195	168	168	160
1	1276	1446	1272	1074	1033	915
2	159	204	203	176	165	159
3	19	25	20	27	25	19
4	3	4	3	6	6	3
5			1	1		1

General Comments

For Waves 1-10, receipt of pension income variables are based on information given about pensions in the Assets and Income section and do not consider information given about past pensions in the Employment section. The relevant pension questions are reported at the household-level and are asked only of the Financial Respondent about the Financial Respondent's pension income and, if married, the Financial Respondent's spouse's pension income. Adjustments are made when these measures are merged to the Respondent level, depending on whether the Respondent is the Financial Respondent or not. If the Respondent is the Financial Respondent, then measures concerning the Financial Respondent are assigned to the Respondent, and those about the Financial Respondent's spouse are assigned to the Respondent's spouse. But if the Respondent is not the Financial Respondent, then measures about the Financial Respondent are assigned to the Respondent's spouse and those concerning the Financial Respondent's spouse are assigned to the Respondent.

Beginning in Wave 11, the questionnaire introduced a standalone Pension section, and information from this section is used to generate pension income variables when information from the Assets and Income section is not available. In the Pension section, relevant questions are reported at the pension level and are asked of both Financial and non-Financial Respondents who are currently working or who have previously reported having employer-provided pension plans.

How Constructed

RwPENI_N indicates the number pension plans from which the Respondent is currently receiving income. SwPENI_N provides this information for the Respondent's spouse or partner.

In Wave 2H and from Wave 3 forward, a series of questions are asked in the Assets and Income section concerning the number of pension plans from which the Respondent received income in the last calendar year. If the Respondent reports receiving other income from retirement pension plans, then the Respondent is asked if they receive income from more than one retirement pension plan, and if so, how many. RwPENI_N is set to the number of pension plans that the Respondent reports.

Beginning in Wave 11, information from the standalone Pension section is incorporated for Respondents who do not have available information in the Assets and Income Section. In the Pension section, the Respondent is asked whether they receive any income from up to ten individual pension plans, and RwPENI_N is equal to the number of plans where the Respondent answers "yes."

If the Respondent is currently not receiving any pension income, then RwPENI_N is set to .Z. If the Respondent reports 10 or more pensions, they are considered an outlier and coded as .M. Otherwise, RwPENI_N is set to a missing value based on missing values in HRS variables.

SwPENI_N is constructed in the same way. If the Respondent is not married, SwPENI_N is set to .U=unmarried.

These variables are included to provide context to the measure about continuation of pensions after death. Since that question is not asked in Waves 1 and 2A, that measure is not included for these earlier waves at this time. See the "Whether pensions continue" section for more information.

Cross Wave Differences in Original HRS Data

There are two questions in the Assets and Income Section regarding the number of pension plans from which income is currently received. They are asked separately about the Financial Respondent and spouse/partner if the individual is receiving any pension income.

The first question is: "Do [you (yourself)/your spouse/partner] receive income from more than one retirement pension?" If "yes," another question asks: "How many retirement pensions do [you/your spouse/partner] receive?"

In Wave 2H, if the answer to the first question is "no," then the second question is set to "0" in the raw data. From Wave 3 and forward, if the answer to the first question is "no," the number of pensions question is filled with "1" in the raw data.

Beginning in Wave 11, information from the standalone Pension section is incorporated for Respondents who do not have available information in the Assets and Income section. The question, "Are you currently receiving regular payments from your [plan name]?" is asked of both the Financial and non-Financial Respondent if they report having an employer-provided pension plan. The question wording is consistent from Wave 11 forward.

HRS Variables Used

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HRS 1994:
    W6071           N20.RETIREMENT PENSIONS?
    WR6072          N20a.WHO RECEIVES PENSIO/ Self
    WR6073          N20b.>1 PENSION?/ Self
    WR6074          N20c.NUMBER PENSIONS/ Self
AHEAD 1995:
    D4191           J30.RET PENSION
    DR4192          J30a.WHO RECD PENSION / R
    DR4193          J30b/31.>1 PENSION / R
    DR4194          J30c/31a.#PENSIONS / R
HRS 1996:
    E4209           J127.RET PENSION
    ER4210          J128.WHO RECD PENSION/Self
    ER4211          J129.>1 PENSION/Self
    ER4212          J130.#PENSIONS/Self
HRS 1998:
    F4969           J127.RET PENSION
    FR4970          J128.WHO RECD PENSION/Self
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    FR4971          J129.>1 PENSION/Self
    FR4972          J130.#PENSIONS/Self
HRS 2000:
    G5424           J127.RET PENSION
    GR5425          J128.WHO RECD PENSION/Self
    GR5426          J129.>1 PENSION/Self
    GR5427          J130.#PENSIONS/Self
HRS 2002-2022:
    xQ215           PENSION RETIREMENT INCOME
    xQR216          WHO REC PENSION RETIREMENT INC/Self
    xQR217          R INCOME FR MORE THAN ONE PENSION/Self
    xQR218          NUMBER OF PENSIONS R RECEIVED/Self
HRS 2012-2018:
    xJ2W108_10      STARTED RECEIVING ANNUITY -1_10
    xJ2W426_10      RECEIVING BENEFITS -1_10
    xJ2W440_10      PLAN STATUS-CONVERTED TO ANNUITY -1_10
HRS 2012-2022:
    xJ2W108_1       STARTED RECEIVING ANNUITY -1_1
    xJ2W108_2       STARTED RECEIVING ANNUITY -1_2
    xJ2W108_3       STARTED RECEIVING ANNUITY -1_3
    xJ2W108_4       STARTED RECEIVING ANNUITY -1_4
    xJ2W108_5       STARTED RECEIVING ANNUITY -1_5
    xJ2W108_6       STARTED RECEIVING ANNUITY -1_6
    xJ2W108_7       STARTED RECEIVING ANNUITY -1_7
    xJ2W108_8       STARTED RECEIVING ANNUITY -1_8
    xJ2W108_9       STARTED RECEIVING ANNUITY -1_9
    xJ2W426_1       RECEIVING BENEFITS -1_1
    xJ2W426_2       RECEIVING BENEFITS -1_2
    xJ2W426_3       RECEIVING BENEFITS -1_3
    xJ2W426_4       RECEIVING BENEFITS -1_4
    xJ2W426_5       RECEIVING BENEFITS -1_5
    xJ2W426_6       RECEIVING BENEFITS -1_6
    xJ2W426_7       RECEIVING BENEFITS -1_7
    xJ2W426_8       RECEIVING BENEFITS -1_8
    xJ2W426_9       RECEIVING BENEFITS -1_9
    xJ2W440_1       PLAN STATUS-CONVERTED TO ANNUITY -1_1
    xJ2W440_2       PLAN STATUS-CONVERTED TO ANNUITY -1_2
    xJ2W440_3       PLAN STATUS-CONVERTED TO ANNUITY -1_3
    xJ2W440_4       PLAN STATUS-CONVERTED TO ANNUITY -1_4
    xJ2W440_5       PLAN STATUS-CONVERTED TO ANNUITY -1_5
    xJ2W440_6       PLAN STATUS-CONVERTED TO ANNUITY -1_6
    xJ2W440_7       PLAN STATUS-CONVERTED TO ANNUITY -1_7
    xJ2W440_8       PLAN STATUS-CONVERTED TO ANNUITY -1_8
    xJ2W440_9       PLAN STATUS-CONVERTED TO ANNUITY -1_9
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Whether pensions can continue

Wave	Variable	Label	Type
2	R2PENIC1	R2PENIC1:W2 Pen #1 Continue after death	Categ
3	R3PENIC1	R3PENIC1:W3 Pen #1 Continue after death	Categ
4	R4PENIC1	R4PENIC1:W4 Pen #1 Continue after death	Categ
5	R5PENIC1	R5PENIC1:W5 Pen #1 Continue after death	Categ
6	R6PENIC1	R6PENIC1:W6 Pen #1 Continue after death	Categ
7	R7PENIC1	R7PENIC1:W7 Pen #1 Continue after death	Categ
8	R8PENIC1	R8PENIC1:W8 Pen #1 Continue after death	Categ
9	R9PENIC1	R9PENIC1:W9 Pen #1 Continue after death	Categ
10	R10PENIC1	R10PENIC1:W10 Pen #1 Continue after death	Categ
11	R11PENIC1	R11PENIC1:W11 Pen #1 Continue after death	Categ
12	R12PENIC1	R12PENIC1:W12 Pen #1 Continue after death	Categ
13	R13PENIC1	R13PENIC1:W13 Pen #1 Continue after death	Categ
14	R14PENIC1	R14PENIC1:W14 Pen #1 Continue after death	Categ
15	R15PENIC1	R15PENIC1:W15 Pen #1 Continue after death	Categ
16	R16PENIC1	R16PENIC1:W16 Pen #1 Continue after death	Categ
2	S2PENIC1	S2PENIC1:W2 Pen #1 Continue after death	Categ
3	S3PENIC1	S3PENIC1:W3 Pen #1 Continue after death	Categ
4	S4PENIC1	S4PENIC1:W4 Pen #1 Continue after death	Categ
5	S5PENIC1	S5PENIC1:W5 Pen #1 Continue after death	Categ
6	S6PENIC1	S6PENIC1:W6 Pen #1 Continue after death	Categ
7	S7PENIC1	S7PENIC1:W7 Pen #1 Continue after death	Categ
8	S8PENIC1	S8PENIC1:W8 Pen #1 Continue after death	Categ
9	S9PENIC1	S9PENIC1:W9 Pen #1 Continue after death	Categ
10	S10PENIC1	S10PENIC1:W10 Pen #1 Continue after death	Categ
11	S11PENIC1	S11PENIC1:W11 Pen #1 Continue after death	Categ
12	S12PENIC1	S12PENIC1:W12 Pen #1 Continue after death	Categ
13	S13PENIC1	S13PENIC1:W13 Pen #1 Continue after death	Categ
14	S14PENIC1	S14PENIC1:W14 Pen #1 Continue after death	Categ
15	S15PENIC1	S15PENIC1:W15 Pen #1 Continue after death	Categ
16	S16PENIC1	S16PENIC1:W16 Pen #1 Continue after death	Categ
2	R2PENIC2	R2PENIC2:W2 Pen #2 Continue after death	Categ
3	R3PENIC2	R3PENIC2:W3 Pen #2 Continue after death	Categ
4	R4PENIC2	R4PENIC2:W4 Pen #2 Continue after death	Categ
5	R5PENIC2	R5PENIC2:W5 Pen #2 Continue after death	Categ
6	R6PENIC2	R6PENIC2:W6 Pen #2 Continue after death	Categ
7	R7PENIC2	R7PENIC2:W7 Pen #2 Continue after death	Categ
8	R8PENIC2	R8PENIC2:W8 Pen #2 Continue after death	Categ
9	R9PENIC2	R9PENIC2:W9 Pen #2 Continue after death	Categ
10	R10PENIC2	R10PENIC2:W10 Pen #2 Continue after death	Categ
11	R11PENIC2	R11PENIC2:W11 Pen #2 Continue after death	Categ
12	R12PENIC2	R12PENIC2:W12 Pen #2 Continue after death	Categ
13	R13PENIC2	R13PENIC2:W13 Pen #2 Continue after death	Categ
14	R14PENIC2	R14PENIC2:W14 Pen #2 Continue after death	Categ
15	R15PENIC2	R15PENIC2:W15 Pen #2 Continue after death	Categ
16	R16PENIC2	R16PENIC2:W16 Pen #2 Continue after death	Categ
2	S2PENIC2	S2PENIC2:W2 Pen #2 Continue after death	Categ
3	S3PENIC2	S3PENIC2:W3 Pen #2 Continue after death	Categ
4	S4PENIC2	S4PENIC2:W4 Pen #2 Continue after death	Categ
5	S5PENIC2	S5PENIC2:W5 Pen #2 Continue after death	Categ
6	S6PENIC2	S6PENIC2:W6 Pen #2 Continue after death	Categ
7	S7PENIC2	S7PENIC2:W7 Pen #2 Continue after death	Categ
8	S8PENIC2	S8PENIC2:W8 Pen #2 Continue after death	Categ
9	S9PENIC2	S9PENIC2:W9 Pen #2 Continue after death	Categ
10	S10PENIC2	S10PENIC2:W10 Pen #2 Continue after death	Categ
11	S11PENIC2	S11PENIC2:W11 Pen #2 Continue after death	Categ
12	S12PENIC2	S12PENIC2:W12 Pen #2 Continue after death	Categ
13	S13PENIC2	S13PENIC2:W13 Pen #2 Continue after death	Categ
14	S14PENIC2	S14PENIC2:W14 Pen #2 Continue after death	Categ
15	S15PENIC2	S15PENIC2:W15 Pen #2 Continue after death	Categ
16	S16PENIC2	S16PENIC2:W16 Pen #2 Continue after death	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2PENIC1	1716	1.92	0.97	1.0	7.0
R3PENIC1	3379	1.99	1.19	1.0	7.0
R4PENIC1	5387	1.67	0.97	1.0	7.0
R5PENIC1	5489	1.73	1.17	1.0	7.0
R6PENIC1	5168	1.71	1.19	1.0	7.0
R7PENIC1	5051	1.73	1.21	1.0	7.0
R8PENIC1	4801	1.63	0.97	1.0	7.0
R9PENIC1	4479	1.60	0.92	1.0	7.0
R10PENIC1	3881	1.61	0.98	1.0	7.0
R11PENIC1	3482	1.77	1.04	1.0	7.0
R12PENIC1	3567	1.71	1.01	1.0	7.0
R13PENIC1	3354	1.68	1.01	1.0	7.0
R14PENIC1	2833	1.68	1.05	1.0	7.0
R15PENIC1	2670	1.70	1.03	1.0	7.0
R16PENIC1	2430	1.67	1.03	1.0	7.0
S2PENIC1	1382	2.09	0.95	1.0	7.0
S3PENIC1	2863	2.09	1.12	1.0	7.0
S4PENIC1	3240	2.01	0.99	1.0	7.0
S5PENIC1	3256	2.08	1.20	1.0	7.0
S6PENIC1	2995	2.08	1.19	1.0	7.0
S7PENIC1	2924	2.09	1.20	1.0	7.0
S8PENIC1	2770	1.99	1.02	1.0	7.0
S9PENIC1	2517	1.97	0.98	1.0	7.0
S10PENIC1	2156	1.98	1.03	1.0	7.0
S11PENIC1	1383	1.99	1.01	1.0	7.0
S12PENIC1	1596	1.97	0.97	1.0	7.0
S13PENIC1	1448	1.96	1.01	1.0	7.0
S14PENIC1	1235	1.93	0.98	1.0	7.0
S15PENIC1	1176	1.94	0.99	1.0	7.0
S16PENIC1	1039	1.93	1.04	1.0	7.0
R2PENIC2	173	1.71	0.88	1.0	3.0
R3PENIC2	327	1.83	1.13	1.0	7.0
R4PENIC2	570	1.55	0.93	1.0	7.0
R5PENIC2	609	1.63	1.21	1.0	7.0
R6PENIC2	593	1.68	1.37	1.0	7.0
R7PENIC2	668	1.68	1.32	1.0	7.0
R8PENIC2	614	1.48	0.93	1.0	7.0
R9PENIC2	610	1.44	0.82	1.0	7.0
R10PENIC2	631	1.50	0.92	1.0	7.0
R11PENIC2	531	1.62	1.00	1.0	7.0
R12PENIC2	572	1.57	0.90	1.0	7.0
R13PENIC2	542	1.60	1.00	1.0	7.0
R14PENIC2	507	1.51	0.94	1.0	7.0
R15PENIC2	443	1.60	1.00	1.0	7.0
R16PENIC2	422	1.57	0.90	1.0	7.0
S2PENIC2	146	1.84	0.89	1.0	3.0
S3PENIC2	273	1.94	1.14	1.0	7.0
S4PENIC2	306	1.87	1.01	1.0	7.0
S5PENIC2	314	1.99	1.31	1.0	7.0
S6PENIC2	311	2.03	1.42	1.0	7.0
S7PENIC2	359	2.02	1.33	1.0	7.0
S8PENIC2	298	1.83	1.07	1.0	7.0
S9PENIC2	306	1.76	0.94	1.0	7.0

S10PENIC2	309	1.85	1.04	1.0	7.0
S11PENIC2	176	1.73	1.03	1.0	7.0
S12PENIC2	225	1.84	1.01	1.0	7.0
S13PENIC2	218	2.01	1.07	1.0	7.0
S14PENIC2	207	1.83	0.95	1.0	7.0
S15PENIC2	189	1.78	0.87	1.0	4.0
S16PENIC2	176	1.77	0.86	1.0	4.0

Categorical Variable Codes

RwPENIC1: Pen #1 Continue after death

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		39	91	148	172	177	157	153	168	122
.J=Web interview, missing										
.M=Oth missing				1				1		
.Q=Not asked this wv		8222								
.R=RF		2	6	7	9	12	9	5	8	8
.U=Unmarried			1266							
.Z=No pension income		9663	13249	15841	13908	12808	14912	13509	12562	18023
1.Stop		824	1648	3395	3472	3330	3218	3110	2961	2557
2.Continue unchanged		217	422	537	530	519	511	519	458	425
3.Continue at reduced level		670	1233	1363	1341	1188	1188	1093	987	837
4.Lump sum paid to benefici				69	24			49	60	29
7.Other		5	76	23	122	131	134	30	13	33

Value	w11	w12	w13	w14	w15	w16
.D=DK	111	129	106	72	84	10
.J=Web interview, missing				30	9	28
.M=Oth missing	3	2	2	3	3	235
.Q=Not asked this wv	7	1	1	1		1
.R=RF	12	8	4	11	6	
.U=Unmarried	868	660	699	450	467	455
.Z=No pension income	16071	14380	16746	13746	12484	12628
1.Stop	1960	2119	2040	1740	1605	1476
2.Continue unchanged	523	533	526	441	395	416
3.Continue at reduced level	935	845	736	606	622	493
4.Lump sum paid to benefici	27	38	14	4	17	12
7.Other	37	32	38	42	31	33

SwPENIC1: Pen #1 Continue after death

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		38	84	96	113	131	104	100	129	68
.J=Web interview, missing										
.M=Oth missing										
.Q=Not asked this wv		4549								
.R=RF		1	4	5	8	11	5	4	6	3
.U=Unmarried		5968	5594	6844	6515	6291	6762	6415	6204	7791
.V=Spouse NR										
.Z=No pension income		7704	9446	11199	9686	8737	10334	9180	8361	12016
1.Stop		533	1203	1415	1419	1285	1239	1227	1122	954
2.Continue unchanged		202	401	479	473	484	467	461	418	375
3.Continue at reduced level		644	1211	1296	1275	1154	1144	1040	948	795
4.Lump sum paid to benefici				37	11			20	19	12
7.Other		3	48	13	78	72	74	22	10	20

Value	w11	w12	w13	w14	w15	w16
.D=DK	68	75	50	38	48	2
.J=Web interview, missing				5	5	5
.M=Oth missing		2				51
.Q=Not asked this wv						
.R=RF	6	6	1	6		
.U=Unmarried	7457	7106	7992	6658	6164	6507
.V=Spouse NR	7	15	19	26	27	33
.Z=No pension income	11633	9947	11402	9178	8303	8150
1.Stop	606	684	628	551	528	462
2.Continue unchanged	241	318	310	255	228	244
3.Continue at reduced level	515	573	491	419	408	317
4.Lump sum paid to benefici	11	13	6	1	4	2
7.Other	10	8	13	9	8	14

RwPENIC2: Pen #2 Continue after death

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		6	11	17	14	12	16	15	19	16
.J=Web interview, missing										
.M=Oth missing					2		1			1
.Q=Not asked this wv		8222								
.R=RF		1	1	2	2	4	1	1		
.U=Unmarried			147							
.Z=No pension income		11240	17505	20795	18951	17556	19443	17839	16588	21386
1.Stop		99	180	397	428	416	460	450	454	456
2.Continue unchanged		25	45	52	53	53	66	62	54	57
3.Continue at reduced level		49	96	113	107	98	116	90	95	108
4.Lump sum paid to benefici				5	4			7	6	6
7.Other			6	3	17	26	26	5	1	4

Value	w11	w12	w13	w14	w15	w16
.D=DK	14	15	14	12	15	15
.J=Web interview, missing				7	3	
.M=Oth missing	2	1	1		1	20
.Q=Not asked this wv						
.R=RF	1				2	
.U=Unmarried	113	74	68	42	27	27
.Z=No pension income	19893	18085	20287	16578	15232	15303
1.Stop	336	384	357	359	293	272
2.Continue unchanged	89	64	72	61	61	73
3.Continue at reduced level	94	111	103	80	79	69

4.Lump sum paid to benefici	6	12	4	2	5	6
7.Other	6	1	6	5	5	2

SwPENIC2: Pen #2 Continue after death

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		6	9	8	9	6	13	8	12	10
.J=Web interview, missing										
.M=Oth missing					1					1
.Q=Not asked this wv		4549								
.R=RF		1	1	1		4	1			
.U=Unmarried		5968	5594	6844	6517	6291	6762	6415	6204	7791
.Z=No pension income		8972	12114	14225	12737	11553	12994	11748	10695	13923
1.Stop		72	135	155	159	157	174	158	167	161
2.Continue unchanged		26	40	46	45	49	60	52	50	48
3.Continue at reduced level		48	93	100	98	90	111	82	86	95
4.Lump sum paid to benefici				3	1			2	2	2
7.Other			5	2	11	15	14	4	1	3

Value	w11	w12	w13	w14	w15	w16
.D=DK	5	8	9	1	6	6
.J=Web interview, missing				2	1	
.M=Oth missing						
.Q=Not asked this wv						
.R=RF						
.U=Unmarried	7457	7106	7992	6658	6164	6507
.Z=No pension income	12916	11408	12693	10278	9363	9098
1.Stop	101	121	93	105	95	89
2.Continue unchanged	30	27	42	37	41	40
3.Continue at reduced level	42	72	80	64	52	46
4.Lump sum paid to benefici	1	4			1	1
7.Other	2	1	3	1		

General Comments

For Waves 1-10, receipt of pension income variables are based on information given about pensions in the Assets and Income section and do not consider information given about past pensions in the Employment section. The relevant pension questions are reported at the household-level and are asked only of the Financial Respondent about the Financial Respondent's pension income and, if married, the Financial Respondent's spouse's pension income. Adjustments are made when these measures are merged to the Respondent level, depending on whether the Respondent is the Financial Respondent or not. If the Respondent is the Financial Respondent, then measures concerning the Financial Respondent are assigned to the Respondent, and those about the Financial Respondent's spouse are assigned to the Respondent's spouse. But if the Respondent is not the Financial Respondent, then measures about the Financial Respondent are assigned to the Respondent's spouse and those concerning the Financial Respondent's spouse are assigned to the Respondent.

Beginning in Wave 11, the questionnaire introduced a standalone Pension section, and information from this section is used to generate pension income variables when information from the Assets and Income section is not available. In the Pension section, relevant questions are reported at the pension level and are asked of both Financial and non-Financial Respondents who are currently working or who have previously reported having employer-provided pension plans.

How Constructed

RwPENIC1 and RwPENIC2 indicate whether the Respondent's estate can continue to collect income from pension plan #1 and pension plan #2 after the Respondent's death. SwPENIC1 and SwPENIC2 provide this information for the Respondent's spouse or partner.

RwPENIC1 and RwPENIC2 simply recode for missing values. RwPENIC1 is set to .Z if the Respondent receives no pension income. RwPENIC2 is set to .Z if the Respondent receives no pension income or pension income from a single plan.

R3PENIC1 and R3PENIC2 are set to .U for Wave 3A Respondents who are unmarried. Similarly, beginning in Wave 11, if we use the standalone Pension section as the variable source (see General Comments, above), RwPENIC1 and RwPENIC1 will be set to .U if the Respondent is unmarried.

The spouse measures are constructed in the same way. If the Respondent is not married, SwPENIC1 and SwPENIC2 are set to .U=unmarried.

Because this question is not asked in Waves 1 and 2A, the measure is not included for these earlier waves.

Cross Wave Differences in Original HRS Data

In all waves of the Assets and Income section, these questions are only asked if the Financial Respondent reports that a member of the household has received pension income. The questions are preceded by a question that asks how long the pension income will be received.

In Wave 2H and from Wave 3 forward, the question asks: "If you were to die (before then [if the pension is received for a limited number of years]), would the payment stop, continue unchanged, or continue at a reduced level?" There are 4 answers: "1.Stop," "2.Continue unchanged," "3.Continue at a reduced level" or "7.Other."

In Wave 4 and Wave 5, one more answer is added: "4. Lump sum paid to beneficiary."

The same question is asked about the second pension income if two or more pensions are reported.

In Wave 3A, the question was not asked of single Respondents.

Beginning in Wave 11, information from the standalone Pension section is incorporated for Respondents who do not have available information in the Assets and Income section. The question, "If you should die, would your [husband/wife/partner] continue to receive the same payment, get a reduced payment or would the payment end?" is asked of both the Financial and non-Financial Respondent if they report pension income from an employer-provided pension plan and are not single. The question wording is consistent from Wave 11 forward.

HRS Variables Used

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HRS 1994:
    W6071           N20.RETIREMENT PENSIONS?
    WR6072          N20a.WHO RECEIVES PENSIO/ Self
    WR6073          N20b.>1 PENSION?/ Self
    WR6074          N20c.NUMBER PENSIONS/ Self
    WR6082          N20k.PAYMENT STOP/CONTIN/ Self
    WR6090          N20w.PAYMENT STOP/CONTIN/ Self
AHEAD 1995:
    D4191           J30.RET PENSION
    DR4192          J30a.WHO RECD PENSION / R
    DR4193          J30b/31.>1 PENSION / R
    DR4194          J30c/31a.#PENSIONS / R
    DR4205_1        J30k/31j.PENSION STOP DEATH-1 / R
    DR4205_2        J30m/31k.STOP WITH DEATH PENSION-2 / R
HRS 1996:
    E4209           J127.RET PENSION
    ER4210          J128.WHO RECD PENSION/Self
    ER4211          J129.>1 PENSION/Self
    ER4212          J130.#PENSIONS/Self
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    ER4229_1        J142.PENSION STOP WITH DEATH/Self
    ER4229_2        J142.PENSION STOP WITH DEATH/Self
HRS 1998:
    F4969           J127.RET PENSION
    FR4970          J128.WHO RECD PENSION/Self
    FR4971          J129.>1 PENSION/Self
    FR4972          J130.#PENSIONS/Self
    FR4989_1        J142.PENSION STOP WITH DEATH/Self
    FR4989_2        J142.PENSION STOP WITH DEATH/Self
HRS 2000:
    G5424           J127.RET PENSION
    GR5425          J128.WHO RECD PENSION/Self
    GR5426          J129.>1 PENSION/Self
    GR5427          J130.#PENSIONS/Self
    GR5444_1        J142.PENSION STOP WITH DEATH/Self
    GR5444_2        J142.PENSION STOP WITH DEATH/Self
HRS 2002-2022:
    xQ215           PENSION RETIREMENT INCOME
    xQR216          WHO REC PENSION RETIREMENT INC/Self
    xQR217          R INCOME FR MORE THAN ONE PENSION/Self
    xQR218          NUMBER OF PENSIONS R RECEIVED/Self
    xQR236_1        R PENSION CONTINUE HOW -1/Self
    xQR236_2        R PENSION CONTINUE HOW -2/Self
HRS 2012-2018:
    xJ2W054_10      R DIE WILL BENEFITS CONTINUE -1_10
HRS 2012-2022:
    xJ2W054_1       R DIE WILL BENEFITS CONTINUE -1_1
    xJ2W054_2       R DIE WILL BENEFITS CONTINUE -1_2
    xJ2W054_3       R DIE WILL BENEFITS CONTINUE -1_3
    xJ2W054_4       R DIE WILL BENEFITS CONTINUE -1_4
    xJ2W054_5       R DIE WILL BENEFITS CONTINUE -1_5
    xJ2W054_6       R DIE WILL BENEFITS CONTINUE -1_6
    xJ2W054_7       R DIE WILL BENEFITS CONTINUE -1_7
    xJ2W054_8       R DIE WILL BENEFITS CONTINUE -1_8
    xJ2W054_9       R DIE WILL BENEFITS CONTINUE -1_9
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Any pension from current job

Wave	Variable	Label	Type
1	R1JCPEN	R1JCPEN:W1 Has pension current job	Categ
2	R2JCPEN	R2JCPEN:W2 Has pension current job	Categ
3	R3JCPEN	R3JCPEN:W3 Has pension current job	Categ
4	R4JCPEN	R4JCPEN:W4 Has pension current job	Categ
5	R5JCPEN	R5JCPEN:W5 Has pension current job	Categ
6	R6JCPEN	R6JCPEN:W6 Has pension current job	Categ
7	R7JCPEN	R7JCPEN:W7 Has pension current job	Categ
8	R8JCPEN	R8JCPEN:W8 Has pension current job	Categ
9	R9JCPEN	R9JCPEN:W9 Has pension current job	Categ
10	R10JCPEN	R10JCPEN:W10 Has pension current job	Categ
11	R11JCPEN	R11JCPEN:W11 Has pension current job	Categ
12	R12JCPEN	R12JCPEN:W12 Has pension current job	Categ
13	R13JCPEN	R13JCPEN:W13 Has pension current job	Categ
14	R14JCPEN	R14JCPEN:W14 Has pension current job	Categ
15	R15JCPEN	R15JCPEN:W15 Has pension current job	Categ
16	R16JCPEN	R16JCPEN:W16 Has pension current job	Categ
1	S1JCPEN	S1JCPEN:W1 Has pension current job	Categ
2	S2JCPEN	S2JCPEN:W2 Has pension current job	Categ
3	S3JCPEN	S3JCPEN:W3 Has pension current job	Categ
4	S4JCPEN	S4JCPEN:W4 Has pension current job	Categ
5	S5JCPEN	S5JCPEN:W5 Has pension current job	Categ
6	S6JCPEN	S6JCPEN:W6 Has pension current job	Categ
7	S7JCPEN	S7JCPEN:W7 Has pension current job	Categ
8	S8JCPEN	S8JCPEN:W8 Has pension current job	Categ
9	S9JCPEN	S9JCPEN:W9 Has pension current job	Categ
10	S10JCPEN	S10JCPEN:W10 Has pension current job	Categ
11	S11JCPEN	S11JCPEN:W11 Has pension current job	Categ
12	S12JCPEN	S12JCPEN:W12 Has pension current job	Categ
13	S13JCPEN	S13JCPEN:W13 Has pension current job	Categ
14	S14JCPEN	S14JCPEN:W14 Has pension current job	Categ
15	S15JCPEN	S15JCPEN:W15 Has pension current job	Categ
16	S16JCPEN	S16JCPEN:W16 Has pension current job	Categ
1	R1JCPENF	R1JCPENF:W1 Further info on JCPEN	Categ
2	R2JCPENF	R2JCPENF:W2 Further info on JCPEN	Categ
3	R3JCPENF	R3JCPENF:W3 Further info on JCPEN	Categ
4	R4JCPENF	R4JCPENF:W4 Further info on JCPEN	Categ
5	R5JCPENF	R5JCPENF:W5 Further info on JCPEN	Categ
6	R6JCPENF	R6JCPENF:W6 Further info on JCPEN	Categ
7	R7JCPENF	R7JCPENF:W7 Further info on JCPEN	Categ
8	R8JCPENF	R8JCPENF:W8 Further info on JCPEN	Categ
1	S1JCPENF	S1JCPENF:W1 Further info on JCPEN	Categ
2	S2JCPENF	S2JCPENF:W2 Further info on JCPEN	Categ
3	S3JCPENF	S3JCPENF:W3 Further info on JCPEN	Categ
4	S4JCPENF	S4JCPENF:W4 Further info on JCPEN	Categ
5	S5JCPENF	S5JCPENF:W5 Further info on JCPEN	Categ
6	S6JCPENF	S6JCPENF:W6 Further info on JCPEN	Categ
7	S7JCPENF	S7JCPENF:W7 Further info on JCPEN	Categ
8	S8JCPENF	S8JCPENF:W8 Further info on JCPEN	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JCPEN	8295	0.54	0.50	0.0	1.0
R2JCPEN	7010	0.54	0.50	0.0	1.0
R3JCPEN	6565	0.50	0.50	0.0	1.0
R4JCPEN	8288	0.48	0.50	0.0	1.0
R5JCPEN	7111	0.48	0.50	0.0	1.0

R6JCPEN	6002	0.45	0.50	0.0	1.0
R7JCPEN	7788	0.47	0.50	0.0	1.0
R8JCPEN	6564	0.44	0.50	0.0	1.0
R9JCPEN	5796	0.45	0.50	0.0	1.0
R10JCPEN	8714	0.47	0.50	0.0	1.0
R11JCPEN	7829	0.50	0.50	0.0	1.0
R12JCPEN	6771	0.49	0.50	0.0	1.0
R13JCPEN	8597	0.46	0.50	0.0	1.0
R14JCPEN	6605	0.46	0.50	0.0	1.0
R15JCPEN	5497	0.49	0.50	0.0	1.0
R16JCPEN	5705	0.46	0.50	0.0	1.0
S1JCPEN	6546	0.54	0.50	0.0	1.0
S2JCPEN	5477	0.54	0.50	0.0	1.0
S3JCPEN	5015	0.50	0.50	0.0	1.0
S4JCPEN	6166	0.50	0.50	0.0	1.0
S5JCPEN	5312	0.49	0.50	0.0	1.0
S6JCPEN	4462	0.45	0.50	0.0	1.0
S7JCPEN	5720	0.48	0.50	0.0	1.0
S8JCPEN	4816	0.45	0.50	0.0	1.0
S9JCPEN	4189	0.46	0.50	0.0	1.0
S10JCPEN	6018	0.48	0.50	0.0	1.0
S11JCPEN	5416	0.52	0.50	0.0	1.0
S12JCPEN	4601	0.51	0.50	0.0	1.0
S13JCPEN	5497	0.48	0.50	0.0	1.0
S14JCPEN	4044	0.48	0.50	0.0	1.0
S15JCPEN	3311	0.51	0.50	0.0	1.0
S16JCPEN	3100	0.48	0.50	0.0	1.0
R1JCPENF	8295	0.00	0.00	0.0	0.0
R2JCPENF	7010	0.66	1.21	0.0	11.0
R3JCPENF	6565	0.64	1.20	0.0	9.0
R4JCPENF	8288	0.54	1.33	0.0	9.0
R5JCPENF	7111	0.73	1.45	0.0	9.0
R6JCPENF	6002	0.77	1.65	0.0	11.0
R7JCPENF	7788	0.27	1.30	0.0	11.0
R8JCPENF	6564	0.72	1.50	0.0	11.0
S1JCPENF	6546	0.00	0.00	0.0	0.0
S2JCPENF	5477	0.67	1.22	0.0	11.0
S3JCPENF	5015	0.63	1.20	0.0	9.0
S4JCPENF	6166	0.54	1.31	0.0	9.0
S5JCPENF	5312	0.75	1.48	0.0	9.0
S6JCPENF	4462	0.77	1.64	0.0	11.0
S7JCPENF	5720	0.26	1.30	0.0	11.0
S8JCPENF	4816	0.74	1.52	0.0	10.0

Categorical Variable Codes

RwJCPEN: Has pension current job

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	68	21	21	33	43	32	32	25	36	67
.J=Web interview, missing										
.M=Oth missing		17	245	69	44	1	2	39	24	42
.Q=Not asked this wv		8222								
.R=RF	16	1	7	11	6	27	19	14	22	34
.W=Not working	4273	4371	11153	12983	12374	12103	12288	11827	11339	13177
0.No	3839	3240	3288	4272	3711	3323	4127	3658	3212	4624
1.Yes	4456	3770	3277	4016	3400	2679	3661	2906	2584	4090

Value	w11	w12	w13	w14	w15	w16
.D=DK	118	95	152	79	96	94
.J=Web interview, missing				9	17	8
.M=Oth missing						
.Q=Not asked this wv						
.R=RF	10	19	32	27	27	28
.W=Not working	12597	11862	12131	10426	10086	9952
0.No	3897	3468	4618	3537	2785	3055
1.Yes	3932	3303	3979	3068	2712	2650

SwJCPEN: Has pension current job

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	46	15	17	22	35	24	27	23	27	43
.J=Web interview, missing										
.M=Oth missing		13	151	51	30	1	1	27	15	28
.Q=Not asked this wv		4549								
.R=RF	10		5	1	4	20	15	7	13	20
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
.W=Not working	3298	3236	6729	7740	7349	7132	7209	6862	6402	7404
0.No	3034	2540	2502	3106	2720	2444	2973	2640	2272	3132
1.Yes	3512	2937	2513	3060	2592	2018	2747	2176	1917	2886

Value	w11	w12	w13	w14	w15	w16
.D=DK	75	56	89	50	47	37
.J=Web interview, missing				4	9	4
.M=Oth missing						
.Q=Not asked this wv						
.R=RF	5	10	15	13	12	7
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Not working	6988	6345	6178	5247	5098	4692
0.No	2620	2271	2859	2087	1636	1605
1.Yes	2796	2330	2638	1957	1675	1495

RwJCPENF: Further info on JCPEN

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		8222								
.S=No pen info	4357	4410	11426	13096	12467	12163	12341	11905		
0.No addl info	8295	3852	3826	5754	4295	3702	7398	3960		
1.No rules chg		2777	2323	2036	2203	1732	1	2066		
2.No chg/JCPEN=no, b/c 0 pl		13	72	117	43	104	67	98		
3.No chg/PENCT= #ptyp or gt		2				5		6		
4.Rules chg		271	262	228	405	256	164	245		
5.Rule chg/JCPEN=no, b/c 0		4			2	3	5	6		
6.New Pen/JCPEN=no, b/c 0 p					20	10	15	7		
7.Old and new pen info		10	4	4		10				
8.Denies but had pen		73	69	82	142	123	113	172		
9.Denies and no pen			9	67	1	53				
10.RuleChg/PENCT= #ptyp, gt		4				1		3		
11.New Pen/PENCT= #ptyp, gt		4				3	25	1		

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
.S=No pen info						
0.No addl info						
1.No rules chg						
2.No chg/JCPEN=no, b/c 0 pl						
3.No chg/PENCT= #ptyp or gt						
4.Rules chg						
5.Rule chg/JCPEN=no, b/c 0						
6.New Pen/JCPEN=no, b/c 0 p						
7.Old and new pen info						
8.Denies but had pen						
9.Denies and no pen						
10.RuleChg/PENCT= #ptyp, gt						
11.New Pen/PENCT= #ptyp, gt						

SwJCPENF: Further info on JCPEN

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		4549								
.S=No pen info	3354	3264	6902	7814	7418	7177	7252	6919		
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417		
.V=Spouse NR	379	384	417	536	311	220	380	317		
0.No addl info	6546	3015	2936	4244	3138	2746	5451	2869		
1.No rules chg		2150	1766	1544	1704	1298	1	1542		
2.No chg/JCPEN=no, b/c 0 pl		11	50	91	33	76	46	76		
3.No chg/PENCT= #ptyp or gt		2				3		4		
4.Rules chg		225	200	179	306	193	106	184		
5.Rule chg/JCPEN=no, b/c 0		4			2	2	5	3		
6.New Pen/JCPEN=no, b/c 0 p					15	7	10	3		
7.Old and new pen info		9	4	3		4				
8.Denies but had pen		54	54	63	113	91	80	133		
9.Denies and no pen			5	42	1	39				
10.RuleChg/PENCT= #ptyp, gt		3						2		
11.New Pen/PENCT= #ptyp, gt		4				3	21			

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
.S=No pen info						
.U=Unmarried						
.V=Spouse NR						
0.No addl info						

```
1.No rules chg                |
2.No chg/JCPEN=no, b/c 0 pl   |
3.No chg/PENCT= #ptyp or gt   |
4.Rules chg                   |
5.Rule chg/JCPEN=no, b/c 0    |
6.New Pen/JCPEN=no, b/c 0 p   |
7.Old and new pen info        |
8.Denies but had pen          |
9.Denies and no pen           |
10.RuleChg/PENCT= #ptyp, gt   |
11.New Pen/PENCT= #ptyp, gt   |
```

Format Reference Tables – complete variable value labels

```
Variables: JCPENF
.D=DK
.J=Web interview, missing
.M=Oth missing
.Q=Not asked this wv
.R=RF
.S=No pen info
.U=Unmarried
.V=Spouse NR
0.No addl info
1.No rules chg
2.No chg/JCPEN=no, b/c 0 plan
3.No chg/PENCT= #ptyp or gt1 Q
4.Rules chg
5.Rule chg/JCPEN=no, b/c 0 pln
6.New Pen/JCPEN=no, b/c 0 plan
7.Old and new pen info
8.Denies but had pen
9.Denies and no pen
10.RuleChg/PENCT= #ptyp, gt1 Q
11.New Pen/PENCT= #ptyp, gt1 Q
```

How Constructed

RwJCPEN indicates whether the Respondent has any pension plan from the current job, and RwJCPENF provides additional detail about the source of information for RwJCPEN. SwJCPEN and SwJCPENF provide the information for the Respondent's spouse or partner.

Until Wave 9, the set of questions asked differs depending on whether the Respondent had a pension and worked for the same employer in the previous wave or not. Whether the Respondent is considered to have had a pension in the previous wave is indicated by a preloaded variable. Considerably more information is collected about pensions that are newly reported or where the rules have changed. RwJCPENF indicates which situation applies to the Respondent in Wave "w."

If the Respondent is working, questions ask about the current job's pension plan. If the current job is newly reported in a given wave or if the Respondent was not included in a pension plan with the current employer at the previous wave, the Respondent is asked if they are included in a pension plan and if so, how many. In follow-up questions, characteristics of the plans are collected. Before Wave 5, questions ask about up to three plans. From Wave 5 to Wave 10, they ask about up to four. From Wave 11 forward, the Respondent answers questions about all pension plans. To remain consistent with earlier waves, we report employee contributions for up to the first four reported plans that are associated with the current job.

RwJCPEN is set to yes (=1) if the Respondent reports being included in a pension plan and subsequently reports at least one pension plan when asked how many, or if the Respondent reports at least one plan type. If the Respondent responds "no" to the inclusion question or if the number of pension plans is "zero" and no plan type is reported, then RwJCPEN is set to no (=0). RwJCPENF (=6)

flags cases where RwJCPEN is set to "no" based on the number of plans being zero.

If the Respondent is working for the same employer as in the previous wave and was included in a pension plan, then they are asked if the rules of the pension have changed. If the Respondent indicates that the rules have changed, they are asked the complete set of questions about newly reported pensions. If the rules have not changed, a limited number of follow-up questions about pension characteristics are asked, with the exception of Wave 7 where the Respondent is asked the complete set of questions regardless of whether the rules have changed. The Respondent may also deny having the pension.

If the Respondent is working for the same employer as in the previous wave, was included in a pension plan, and the rules have not changed, then RwJCPEN is assumed to be yes (=1), unless either the pension is denied, or the number of plans reported is zero and no plan type is given. If the Respondent denies having a pension, RwJCPEN is set to "zero," and RwJCPENF (=8 or 9) indicates the denial along with whether the data show the Respondent reporting a pension in the previous wave. Whether or not the Respondent indicates a rules change, RwJCPEN is set to no (=0) if the number of plans reported is zero, and if no plan type information is reported. RwJCPENF (=2 or 5) indicates whether this was done, as well as whether a rules change was reported (=1, 2, or 3) or not (=4 or 5). If the number of plans reported is "zero" and any plan type information is provided, the presence of plan types are used to count the number of pensions, and RwJCPENF (=3) flags that this was done.

In some cases, information appears in both sets of questions, usually when the Respondent reports having more than three (or four) pensions for which the rules did not change. These cases are flagged by RwJCPENF (=7), and only the information associated with no rules change is used.

In Waves 9 and 10, the pension questionnaire changed. The skip patterns are less complicated, and less information is collected. We do not include RwJCPENF from Wave 9 forward because all Respondents are asked if they have a pension plan from their current job right at the beginning of the section. So, unlike previous waves, there is only one way the Respondent is asked this question.

Beginning in Wave 11, the pension questionnaire changed again, and it aims to establish a complete inventory of all pensions that the Respondent may have pertaining to current or any prior jobs. The Respondent is first asked about all pensions that they reported in a previous wave, as well as any new pensions the Respondent may have. This inventory of pensions is recorded in the data at the pension level so that one Respondent can have multiple observations depending on the number of past and current pensions they hold. We have aggregated these pension records to create Respondent-level variables that are derived for longitudinal comparison to the current pension. Plans are assigned as active or inactive (dead) based on their status for the purpose of controlling follow-up questions. In addition, blocks of questions are asked dependent upon whether a plan is from a new job or previous wave job. From Wave 11 forward, RwJCPEN is set to yes (=1) if the Respondent indicates they are included in a pension plan on their current job or they have money in a retirement account through their current job, and the plan is assigned as active. RwJCPEN is also set to yes (=1) if the Respondent reports an active pension that is not on the current job but has a valid job start date and a missing end date, indicating that the pension does refer to the current job. Lastly, RwJCPEN is set to yes (=1) when the Respondent has a new plan or a preloaded plan, and the Respondent is currently enrolled in a plan.

RwJCPEN is set to .W if skipped because the Respondent has no current job.

RwJCPEN is set to .M if the Respondent has a current job but did not respond to the pension questions.

SwJCPEN and SwJCPENF information is taken from the spouse's self-reported RwJCPEN and RwJCPENF variables, if available. If the Respondent is not married, SwJCPEN and SwJCPENF are set to .U=unmarried. If the Respondent's spouse did not respond, then SwJCPEN and SwJCPENF are set to .V=Spouse is non-response.

Because this question is not asked in Wave 2A, the variables are set to .Q.

Cross Wave Differences in Original HRS Data

In Wave 1, questions ask about the current job's pension. The wording differs depending on whether the Respondent is self-employed or not. For the self-employed, the question asks: "Aside from IRA or Keogh plans, are you included in any pension plans or tax-deferred savings plans through your work?" For those employed by a firm, the question asks: "Now I'd like to ask about pension or retirement plans on your job, sponsored by your employer or union. This includes not only basic pension or retirement plans, but also tax-deferred

plans like thrift, savings, 401k, deferred profit-sharing, or stock ownership plans. Are you included in any such pension, retirement, or tax-deferred plan with this employer?"

In Wave 2H, 3H and from Wave 4 to Wave 11, those who are with the same employer and who reported having a pension at the previous wave are asked if the rules have changed. Those working who a) did not report a current job pension in the previous wave or b) who changed jobs between waves are asked if they are included in a pension plan on the current job. The question wording differs depending on whether the Respondent is self-employed or not.

Those with a pension in a previous wave and who were employed by the same firm or self-employed in the current and previous waves are asked: "Have the rules that govern your pension benefits or the age you can receive them changed since [PREVIOUS WAVE MONTH/YEAR]?" For those employed by a new firm or employed by the same firm without a previous wave pension, the question is the same as that asked of firm employees in Wave 1. For those who are newly self-employed or still self-employed without a previous wave pension, the question is the same as that in Wave 1, preceded by the statement: "Now I'd like to ask about pension or retirement plans on your job."

The questions are not asked in Wave 2A.

In Wave 3A, only the questions about the current job's pension plan are asked, with the same wording as in Wave 1.

Except in Wave 7, a limited number of follow-up questions about pension characteristics are asked of those who: a) report working for the same employer as in the previous wave, b) were included in a pension plan at that time, and c) indicate that the rules have not changed. In Wave 7 only, the Respondent is asked the complete set of follow-up questions about the current job pension regardless of whether the rules have changed. In all waves, the complete set of questions is asked of all those who: a) report having a new current job pension, i.e., those who changed jobs or self-employment status between waves, b) did not report having a current job pension at the prior wave, c) report a rules change in the pension they had in the previous wave, or d) are new to the HRS study.

In Waves 9 and 10, the pension questionnaire changed. The skip patterns are less complicated and less information is collected. As a result, we do not include RwJCPENF for these waves (or for any wave after Wave 8). All Respondents are asked at the beginning of the section if they have a pension from their current job. So, unlike previous waves, there is only one way the Respondent is asked this question.

Beginning in Wave 11, there was a major change as to how HRS records Respondents' pensions. The Respondent is no longer asked how many pensions they have. Instead we derive RwJCPEN from employment variables that ask if the Respondent has a pension on their current job in conjunction with questions that elicit an inventory of all pensions that the Respondent may have and indicates which pensions are active or inactive. We also use job start and end dates to determine if the pension is from the current employment.

HRS Variables Used

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HRS 1992:
    V2838           F36:PENSION PLANS
    V2901           F37:PENS/RET PLNS ON JOB
HRS 1994:
    W3710           FA63.PENSION RULES CHANG
    W3748           FA71.PLAN OFFERED BY EMP
    W4375           FB26.PENSION/RETIREMENT
    W4376           FB27.PENSION RULES CHANG
AHEAD 1995:
    D2928           GA63.PENSION RULES CHANGED
    D2955           GA71. WHETHER PENSION PLAN
    D3287           GB26.INCLUDED IN PENSION PLAN
HRS 1996:
    E2835           G67.PENSION RULES CHANGED
    E2861           G75.PLAN OFFERED BY EMPLOYER
HRS 1998:
    F3359           G67.PENSION RULES CHANGED
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    F3389           G75.PLAN OFFERED BY EMPLOYER
HRS 2000:
    G3619           G67.PENSION RULES CHANGED
    G3654           G75.PLAN OFFERED BY EMPLOYER
HRS 2002-2006:
    xJ268           PENSION RULES CHANGED
HRS 2002-2008:
    xJ324           PLAN OFFERED BY EMPLOYER
HRS 2008-2010:
    xJ848           FIRM/UNION OFFERS PENSION
HRS 2008-2022:
    xJ849           PARTICIPATING IN PLAN
HRS 2012-2018:
    xJ2352_10       YEARS IN PLAN -1_10
    xJ2W401_10      ANY OTHER PENSIONS_10
    xJ2W403_10      STILL HAVE PLAN NOW_10
    xJ2W410_10      BEGIN -1_10
    xJ2W411_10      END -1_10
    xJ2W451_10      PLAN ACTIVE OR DEAD -1_10
    xJ2W452_10      WHETHER PLAN FROM NEW OR SAME JOB -1_10
HRS 2012-2022:
    xJ2352_1        YEARS IN PLAN -1_1
    xJ2352_2        YEARS IN PLAN -1_2
    xJ2352_3        YEARS IN PLAN -1_3
    xJ2352_4        YEARS IN PLAN -1_4
    xJ2352_5        YEARS IN PLAN -1_5
    xJ2352_6        YEARS IN PLAN -1_6
    xJ2352_7        YEARS IN PLAN -1_7
    xJ2352_8        YEARS IN PLAN -1_8
    xJ2352_9        YEARS IN PLAN -1_9
    xJ2W401_1       ANY OTHER PENSIONS_1
    xJ2W401_2       ANY OTHER PENSIONS_2
    xJ2W401_3       ANY OTHER PENSIONS_3
    xJ2W401_4       ANY OTHER PENSIONS_4
    xJ2W401_5       ANY OTHER PENSIONS_5
    xJ2W401_6       ANY OTHER PENSIONS_6
    xJ2W401_7       ANY OTHER PENSIONS_7
    xJ2W401_8       ANY OTHER PENSIONS_8
    xJ2W401_9       ANY OTHER PENSIONS_9
    xJ2W403_1       STILL HAVE PLAN NOW_1
    xJ2W403_2       STILL HAVE PLAN NOW_2
    xJ2W403_3       STILL HAVE PLAN NOW_3
    xJ2W403_4       STILL HAVE PLAN NOW_4
    xJ2W403_5       STILL HAVE PLAN NOW_5
    xJ2W403_6       STILL HAVE PLAN NOW_6
    xJ2W403_7       STILL HAVE PLAN NOW_7
    xJ2W403_8       STILL HAVE PLAN NOW_8
    xJ2W403_9       STILL HAVE PLAN NOW_9
    xJ2W410_1       BEGIN -1_1
    xJ2W410_2       BEGIN -1_2
    xJ2W410_3       BEGIN -1_3
    xJ2W410_4       BEGIN -1_4
    xJ2W410_5       BEGIN -1_5
    xJ2W410_6       BEGIN -1_6
    xJ2W410_7       BEGIN -1_7
    xJ2W410_8       BEGIN -1_8
    xJ2W410_9       BEGIN -1_9
    xJ2W411_1       END -1_1
    xJ2W411_2       END -1_2
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xJ2W411_3	END -1_3
xJ2W411_4	END -1_4
xJ2W411_5	END -1_5
xJ2W411_6	END -1_6
xJ2W411_7	END -1_7
xJ2W411_8	END -1_8
xJ2W411_9	END -1_9
xJ2W451_1	PLAN ACTIVE OR DEAD -1_1
xJ2W451_2	PLAN ACTIVE OR DEAD -1_2
xJ2W451_3	PLAN ACTIVE OR DEAD -1_3
xJ2W451_4	PLAN ACTIVE OR DEAD -1_4
xJ2W451_5	PLAN ACTIVE OR DEAD -1_5
xJ2W451_6	PLAN ACTIVE OR DEAD -1_6
xJ2W451_7	PLAN ACTIVE OR DEAD -1_7
xJ2W451_8	PLAN ACTIVE OR DEAD -1_8
xJ2W451_9	PLAN ACTIVE OR DEAD -1_9
xJ2W452_1	WHETHER PLAN FROM NEW OR SAME JOB -1_1
xJ2W452_2	WHETHER PLAN FROM NEW OR SAME JOB -1_2
xJ2W452_3	WHETHER PLAN FROM NEW OR SAME JOB -1_3
xJ2W452_4	WHETHER PLAN FROM NEW OR SAME JOB -1_4
xJ2W452_5	WHETHER PLAN FROM NEW OR SAME JOB -1_5
xJ2W452_6	WHETHER PLAN FROM NEW OR SAME JOB -1_6
xJ2W452_7	WHETHER PLAN FROM NEW OR SAME JOB -1_7
xJ2W452_8	WHETHER PLAN FROM NEW OR SAME JOB -1_8
xJ2W452_9	WHETHER PLAN FROM NEW OR SAME JOB -1_9
xJ851	FIRM HAS PEN ACCOUNT-NOT CONTRIBUTING

Number of pension plans from current job

Wave	Variable	Label	Type
1	R1PENCT	R1PENCT:W1 # pensions current job	Categ
2	R2PENCT	R2PENCT:W2 # pensions current job	Categ
3	R3PENCT	R3PENCT:W3 # pensions current job	Categ
4	R4PENCT	R4PENCT:W4 # pensions current job	Categ
5	R5PENCT	R5PENCT:W5 # pensions current job	Categ
6	R6PENCT	R6PENCT:W6 # pensions current job	Categ
7	R7PENCT	R7PENCT:W7 # pensions current job	Categ
8	R8PENCT	R8PENCT:W8 # pensions current job	Categ
9	R9PENCT	R9PENCT:W9 # pensions current job	Categ
10	R10PENCT	R10PENCT:W10 # pensions current job	Categ
11	R11PENCT	R11PENCT:W11 # pensions current job	Categ
12	R12PENCT	R12PENCT:W12 # pensions current job	Categ
13	R13PENCT	R13PENCT:W13 # pensions current job	Categ
14	R14PENCT	R14PENCT:W14 # pensions current job	Categ
15	R15PENCT	R15PENCT:W15 # pensions current job	Categ
16	R16PENCT	R16PENCT:W16 # pensions current job	Categ
1	S1PENCT	S1PENCT:W1 # pensions current job	Categ
2	S2PENCT	S2PENCT:W2 # pensions current job	Categ
3	S3PENCT	S3PENCT:W3 # pensions current job	Categ
4	S4PENCT	S4PENCT:W4 # pensions current job	Categ
5	S5PENCT	S5PENCT:W5 # pensions current job	Categ
6	S6PENCT	S6PENCT:W6 # pensions current job	Categ
7	S7PENCT	S7PENCT:W7 # pensions current job	Categ
8	S8PENCT	S8PENCT:W8 # pensions current job	Categ
9	S9PENCT	S9PENCT:W9 # pensions current job	Categ
10	S10PENCT	S10PENCT:W10 # pensions current job	Categ
11	S11PENCT	S11PENCT:W11 # pensions current job	Categ
12	S12PENCT	S12PENCT:W12 # pensions current job	Categ
13	S13PENCT	S13PENCT:W13 # pensions current job	Categ
14	S14PENCT	S14PENCT:W14 # pensions current job	Categ
15	S15PENCT	S15PENCT:W15 # pensions current job	Categ
16	S16PENCT	S16PENCT:W16 # pensions current job	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1PENCT	4452	1.33	0.59	1.0	8.0
R2PENCT	3747	1.22	0.49	1.0	5.0
R3PENCT	3235	1.23	0.51	1.0	8.0
R4PENCT	3961	1.28	0.54	1.0	6.0
R5PENCT	3361	1.23	0.48	1.0	5.0
R6PENCT	2637	1.23	0.48	1.0	4.0
R7PENCT	3623	1.34	0.60	1.0	6.0
R8PENCT	2882	1.21	0.47	1.0	5.0
R9PENCT	2583	1.35	0.57	1.0	5.0
R10PENCT	4084	1.38	0.62	1.0	8.0
R11PENCT	3932	1.32	0.56	1.0	5.0
R12PENCT	3303	1.29	0.54	1.0	5.0
R13PENCT	3979	1.24	0.48	1.0	4.0
R14PENCT	3068	1.21	0.47	1.0	5.0
R15PENCT	2712	1.21	0.45	1.0	3.0
R16PENCT	2650	1.19	0.45	1.0	5.0
S1PENCT	3508	1.34	0.60	1.0	8.0
S2PENCT	2920	1.22	0.50	1.0	5.0

S3PENCT	2479	1.24	0.52	1.0	5.0
S4PENCT	3016	1.29	0.55	1.0	6.0
S5PENCT	2559	1.23	0.49	1.0	5.0
S6PENCT	1985	1.23	0.48	1.0	4.0
S7PENCT	2719	1.35	0.61	1.0	6.0
S8PENCT	2159	1.22	0.48	1.0	5.0
S9PENCT	1916	1.36	0.58	1.0	5.0
S10PENCT	2882	1.38	0.62	1.0	8.0
S11PENCT	2796	1.32	0.57	1.0	5.0
S12PENCT	2330	1.30	0.55	1.0	5.0
S13PENCT	2638	1.26	0.50	1.0	4.0
S14PENCT	1957	1.22	0.49	1.0	5.0
S15PENCT	1675	1.22	0.46	1.0	3.0
S16PENCT	1495	1.19	0.45	1.0	4.0

Categorical Variable Codes

RwPENCT: # pensions current job

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	1	18	28	43	35	30	29	15	1	
.M=Oth missing			8	1	2		1	5		
.Q=Not asked this wv		8222								
.R=RF	3	5	6	11	2	12	8	4	1	7
.S=No pen info	8196	7633	14642	17251	16113	15369	16381	15452	14632	17943
.Z=No pen based on PENCT		17	72	117	65	117	87	111		
1	3209	3050	2614	3002	2680	2105	2569	2325	1791	2755
2	1058	606	533	833	614	477	898	503	692	1130
3	161	73	72	110	56	48	130	49	91	172
4	18	15	13	12	8	7	18	2	7	23
5	3	3	2	3	3		6	3	2	
6	2			1			2			3
8	1		1							1

Value	w11	w12	w13	w14	w15	w16
.D=DK						
.M=Oth missing						
.Q=Not asked this wv						
.R=RF						
.S=No pen info	16622	15444	16933	14078	13011	13137
.Z=No pen based on PENCT						
1	2868	2466	3108	2510	2203	2194
2	900	720	783	495	457	401
3	148	105	81	54	52	52
4	15	10	7	8		2
5	1	2		1		1
6						
8						

SwPENCT: # pensions current job

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	1	14	24	34	30	26	24	10	1	
.M=Oth missing			6	1	1		1	4		
.Q=Not asked this wv		4549								
.R=RF	3	3	4	9	2	7	3	3	1	5
.S=No pen info	6388	5789	9354	10829	10088	9536	10164	9477	8728	10626
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
.Z=No pen based on PENCT		15	50	91	50	85	61	82		
1	2512	2363	1986	2260	2027	1574	1913	1735	1320	1944
2	844	479	418	655	479	369	687	379	517	796
3	130	62	62	87	44	36	96	40	71	124
4	16	14	11	10	6	6	16	2	6	15
5	3	2	2	3	3		5	3	2	
6	2			1			2			2
8	1									1

Value	w11	w12	w13	w14	w15	w16
.D=DK						
.M=Oth missing						
.Q=Not asked this wv						
.R=RF						
.S=No pen info	9688	8682	9141	7401	6802	6345
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.Z=No pen based on PENCT						
1	2029	1727	2019	1572	1346	1235
2	644	515	551	340	294	230
3	112	80	64	38	35	29
4	10	7	4	6		1
5	1	1		1		
6						
8						

How Constructed

RwPENCT indicates the number of pension plans that the Respondent has from their current job. SwPENCT provides the information for the Respondent's spouse or partner.

If the Respondent indicates that they have a pension plan from the current job, they are asked for the number of plans. RwPENCT is set to the number of pension plans that the Respondent reports. If the Respondent reports zero plans but provides any pension type information, RwPENCT is set to the number of plans with pension type information.

RwPENCT is set to .S if the Respondent has no pension in the current job, is missing whether they have a pension, or is not working. It is set to .Z if the Respondent reports having zero pension plans and does not provide any plan type information. Note that in this situation, RwJCPEN is set to "no." From Wave 6 to Wave 9, if the Respondent does not know the number of plans, a follow-up question asks if it is more than one. If the response is one plan then RwPENCT is set to "1." If it is more than one, then RwPENCT is set to "2." Otherwise, RwPENCT is set to other missing values as appropriate based on the missing values coded in the HRS variables.

Until Wave 8, RwJCPENF indicates if RwPENCT is set based on the number of plans with pension type information or using the follow-up question about whether there is just one plan or more than one. The relevant RwJCPENF codes are 3, 10, and 11.

From Wave 9 forward, RwJCPENF is not included in the RAND HRS Longitudinal File because, unlike previous waves, there is only one way the Respondent is asked if they have a pension on the current job.

In Wave 11, the pension questionnaire changed. From Wave 11 forward, the Respondent is no longer asked the number of pension plans from the current job. Therefore, RwPENCT is constructed by using employment and pension questions that together identify the pension plan as being associated with the current job. We then sum these plans to get the total number of pension plans associated with the current job.

SwPENCT information is taken from the spouse's self-reported RwPENCT variable, if available. If the Respondent is not married, SwPENCT is set to .U=unmarried. If the Respodent's spouse did not respond, then SwPENCT is set to .V=Spouse is non-response.

Because this question is not asked in Wave 2A, the variables are set to .Q.

Cross Wave Differences in Original HRS Data

In Wave 1, the Respondent is only asked about the number of pension plans if they report being included in a pension plan associated with the current job. The question asks: "In how many different pension plans of this sort are you included on this job?"

In Wave 2H, 3H and from Wave 4 to Wave 10, those who are with the same employer and who reported having a pension at the previous wave are asked if the rules have changed. Except in Wave 7, if the Respondent reports no rules change, a question asks about the number of pensions: "In how many different pension plans are you included on this job?". From Wave 2 to Wave 9, including Wave 7, if there is no rules change or if there is no prior wave pension with the current employer but the Respondent reports one in the current wave, the question wording for the number of pensions is the same as that asked in Wave 1. RwJCPENF indicates the source of the pension information (rules change, no rules change, or, if no additional information, for a new pension). From Wave 9, RwJCPENF is not included in the RAND HRS Longitudinal File because, unlike previous waves, there is only one way the Respondent is asked if they have a pension on the current job.

In Wave 2H, the questions are asked separately for those employed by a firm and the self-employed, but the question wording is the same for both.

In Wave 3A, only the questions about the current job's pension plans are asked, and they are asked in two places. The wording in both places is the same as in Wave 1.

The questions are not asked in Wave 2A.

From Wave 6 to Wave 10, those who do not know the number of pensions are asked a follow-up question: "Is this just one plan or more than one?" The answers may be one plan or more than one plan.

In Wave 7, values 8 and 9 are missing value codes and so it is not possible for anyone to have more than 7 pension plans. In other waves, the missing value codes are 98 and 99.

In Wave 11, the pension questionnaire changed. It aims to establish a complete inventory of all pension plans that the Respondent may have associated with the current or any previous jobs. From Wave 11 forward, the Respondent is first asked about all pensions that they reported in a previous wave, as well as any new pensions the Respondent may have. This inventory of pensions is recorded in the data at the pension level so that one Respondent can have multiple observations depending on the number of past and current pension plans they hold. We have aggregated these pension records to create Respondent-level variables that are derived for longitudinal comparison to the current pension variables.

Because the Respondent is no longer asked how many pensions they have, RwPENCT is constructed by using employment and pension questions that together identify the pension as being associated with the current job. We then sum these pensions to get the total number of pension plans associated with the current job.

HRS Variables Used

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HRS 1992:
    V2838           F36:PENSION PLANS
    V2901           F37:PENS/RET PLNS ON JOB
    V2908           F38:# PLNS INCLD ON JB
HRS 1994:
    W3710           FA63.PENSION RULES CHANG
    W3711           FA64.NUMBER PENSION PLAN
    W3748           FA71.PLAN OFFERED BY EMP
    W3755           FA72.NUMBER PENSION PLAN
    W4375           FB26.PENSION/RETIREMENT
    W4376           FB27.PENSION RULES CHANG
    W4377           FB28.NUMBER PENSION PLAN
    W4414           FB36.NUMBER PENSION PLAN
AHEAD 1995:
    D2928           GA63.PENSION RULES CHANGED
    D2955           GA71. WHETHER PENSION PLAN
    D2964           GA72. NUMBER PENSION PLANS
    D3287           GB26.INCLUDED IN PENSION PLAN
    D3325           GB36. NUMBER PENSION PLANS
HRS 1996:
    E2835           G67.PENSION RULES CHANGED
    E2837           G68.NUMBER PENSION PLANS
    E2861           G75.PLAN OFFERED BY EMPLOYER
    E2870           G76.NUMBER PENSION PLANS INCLUDED
HRS 1998:
    F3359           G67.PENSION RULES CHANGED
    F3361           G68.NUMBER PENSION PLANS
    F3389           G75.PLAN OFFERED BY EMPLOYER
    F3398           G76.NUMBER PENSION PLANS INCLUDED
HRS 2000:
    G3619           G67.PENSION RULES CHANGED
    G3621           G68.NUMBER PENSION PLANS
    G3654           G75.PLAN OFFERED BY EMPLOYER
    G3678           G76.NUMBER PENSION PLANS INCLUDED
HRS 2002:
    HJ269           CURRENT JOB- # PENSION PLANS
    HJ270           CURRENT JOB- ONE PLAN OR MORE
HRS 2006:
    KJ269           CURRENT JOB- # PENSION PLANS
    KJ270           CURRENT JOB- ONE PLAN OR MORE
HRS 2002-2006:
    xJ265           J265 BRANCHPOINT
    xJ268           PENSION RULES CHANGED
    xJ324           PLAN OFFERED BY EMPLOYER
HRS 2002-2010:
    xJ335           # PENSION PLANS INCLUDED
    xJ336           INCLUDED ONE PLAN OR MORE
HRS 2012-2018:
    xJ2352_10       YEARS IN PLAN -1_10
    xJ2W401_10      ANY OTHER PENSIONS_10
    xJ2W403_10      STILL HAVE PLAN NOW_10
    xJ2W410_10      BEGIN -1_10
    xJ2W411_10      END -1_10
    xJ2W451_10      PLAN ACTIVE OR DEAD -1_10
    xJ2W452_10      WHETHER PLAN FROM NEW OR SAME JOB -1_10
HRS 2012-2022:
    xJ2352_1        YEARS IN PLAN -1_1
    xJ2352_2        YEARS IN PLAN -1_2
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xJ2352_3        YEARS IN PLAN -1_3
xJ2352_4        YEARS IN PLAN -1_4
xJ2352_5        YEARS IN PLAN -1_5
xJ2352_6        YEARS IN PLAN -1_6
xJ2352_7        YEARS IN PLAN -1_7
xJ2352_8        YEARS IN PLAN -1_8
xJ2352_9        YEARS IN PLAN -1_9
xJ2W401_1       ANY OTHER PENSIONS_1
xJ2W401_2       ANY OTHER PENSIONS_2
xJ2W401_3       ANY OTHER PENSIONS_3
xJ2W401_4       ANY OTHER PENSIONS_4
xJ2W401_5       ANY OTHER PENSIONS_5
xJ2W401_6       ANY OTHER PENSIONS_6
xJ2W401_7       ANY OTHER PENSIONS_7
xJ2W401_8       ANY OTHER PENSIONS_8
xJ2W401_9       ANY OTHER PENSIONS_9
xJ2W403_1       STILL HAVE PLAN NOW_1
xJ2W403_2       STILL HAVE PLAN NOW_2
xJ2W403_3       STILL HAVE PLAN NOW_3
xJ2W403_4       STILL HAVE PLAN NOW_4
xJ2W403_5       STILL HAVE PLAN NOW_5
xJ2W403_6       STILL HAVE PLAN NOW_6
xJ2W403_7       STILL HAVE PLAN NOW_7
xJ2W403_8       STILL HAVE PLAN NOW_8
xJ2W403_9       STILL HAVE PLAN NOW_9
xJ2W410_1       BEGIN -1_1
xJ2W410_2       BEGIN -1_2
xJ2W410_3       BEGIN -1_3
xJ2W410_4       BEGIN -1_4
xJ2W410_5       BEGIN -1_5
xJ2W410_6       BEGIN -1_6
xJ2W410_7       BEGIN -1_7
xJ2W410_8       BEGIN -1_8
xJ2W410_9       BEGIN -1_9
xJ2W411_1       END -1_1
xJ2W411_2       END -1_2
xJ2W411_3       END -1_3
xJ2W411_4       END -1_4
xJ2W411_5       END -1_5
xJ2W411_6       END -1_6
xJ2W411_7       END -1_7
xJ2W411_8       END -1_8
xJ2W411_9       END -1_9
xJ2W451_1       PLAN ACTIVE OR DEAD -1_1
xJ2W451_2       PLAN ACTIVE OR DEAD -1_2
xJ2W451_3       PLAN ACTIVE OR DEAD -1_3
xJ2W451_4       PLAN ACTIVE OR DEAD -1_4
xJ2W451_5       PLAN ACTIVE OR DEAD -1_5
xJ2W451_6       PLAN ACTIVE OR DEAD -1_6
xJ2W451_7       PLAN ACTIVE OR DEAD -1_7
xJ2W451_8       PLAN ACTIVE OR DEAD -1_8
xJ2W451_9       PLAN ACTIVE OR DEAD -1_9
xJ2W452_1       WHETHER PLAN FROM NEW OR SAME JOB -1_1
xJ2W452_2       WHETHER PLAN FROM NEW OR SAME JOB -1_2
xJ2W452_3       WHETHER PLAN FROM NEW OR SAME JOB -1_3
xJ2W452_4       WHETHER PLAN FROM NEW OR SAME JOB -1_4
xJ2W452_5       WHETHER PLAN FROM NEW OR SAME JOB -1_5
xJ2W452_6       WHETHER PLAN FROM NEW OR SAME JOB -1_6
xJ2W452_7       WHETHER PLAN FROM NEW OR SAME JOB -1_7
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xJ2W452_8       WHETHER PLAN FROM NEW OR SAME JOB -1_8
xJ2W452_9       WHETHER PLAN FROM NEW OR SAME JOB -1_9
xJ849           PARTICIPATING IN PLAN
xJ851           FIRM HAS PEN ACCOUNT-NOT CONTRIBUTING
```

Type of pension plan from current job

Wave	Variable	Label	Type
1	R1PTYP1	R1PTYP1:W1 Current pension type #1	Categ
2	R2PTYP1	R2PTYP1:W2 Current pension type #1	Categ
3	R3PTYP1	R3PTYP1:W3 Current pension type #1	Categ
4	R4PTYP1	R4PTYP1:W4 Current pension type #1	Categ
5	R5PTYP1	R5PTYP1:W5 Current pension type #1	Categ
6	R6PTYP1	R6PTYP1:W6 Current pension type #1	Categ
7	R7PTYP1	R7PTYP1:W7 Current pension type #1	Categ
8	R8PTYP1	R8PTYP1:W8 Current pension type #1	Categ
9	R9PTYP1	R9PTYP1:W9 Current pension type #1	Categ
10	R10PTYP1	R10PTYP1:W10 Current pension type #1	Categ
11	R11PTYP1	R11PTYP1:W11 Current pension type #1	Categ
12	R12PTYP1	R12PTYP1:W12 Current pension type #1	Categ
13	R13PTYP1	R13PTYP1:W13 Current pension type #1	Categ
14	R14PTYP1	R14PTYP1:W14 Current pension type #1	Categ
15	R15PTYP1	R15PTYP1:W15 Current pension type #1	Categ
16	R16PTYP1	R16PTYP1:W16 Current pension type #1	Categ
1	S1PTYP1	S1PTYP1:W1 Current pension type #1	Categ
2	S2PTYP1	S2PTYP1:W2 Current pension type #1	Categ
3	S3PTYP1	S3PTYP1:W3 Current pension type #1	Categ
4	S4PTYP1	S4PTYP1:W4 Current pension type #1	Categ
5	S5PTYP1	S5PTYP1:W5 Current pension type #1	Categ
6	S6PTYP1	S6PTYP1:W6 Current pension type #1	Categ
7	S7PTYP1	S7PTYP1:W7 Current pension type #1	Categ
8	S8PTYP1	S8PTYP1:W8 Current pension type #1	Categ
9	S9PTYP1	S9PTYP1:W9 Current pension type #1	Categ
10	S10PTYP1	S10PTYP1:W10 Current pension type #1	Categ
11	S11PTYP1	S11PTYP1:W11 Current pension type #1	Categ
12	S12PTYP1	S12PTYP1:W12 Current pension type #1	Categ
13	S13PTYP1	S13PTYP1:W13 Current pension type #1	Categ
14	S14PTYP1	S14PTYP1:W14 Current pension type #1	Categ
15	S15PTYP1	S15PTYP1:W15 Current pension type #1	Categ
16	S16PTYP1	S16PTYP1:W16 Current pension type #1	Categ
1	R1PTYP2	R1PTYP2:W1 Current pension type #2	Categ
2	R2PTYP2	R2PTYP2:W2 Current pension type #2	Categ
3	R3PTYP2	R3PTYP2:W3 Current pension type #2	Categ
4	R4PTYP2	R4PTYP2:W4 Current pension type #2	Categ
5	R5PTYP2	R5PTYP2:W5 Current pension type #2	Categ
6	R6PTYP2	R6PTYP2:W6 Current pension type #2	Categ
7	R7PTYP2	R7PTYP2:W7 Current pension type #2	Categ
8	R8PTYP2	R8PTYP2:W8 Current pension type #2	Categ
9	R9PTYP2	R9PTYP2:W9 Current pension type #2	Categ
10	R10PTYP2	R10PTYP2:W10 Current pension type #2	Categ
11	R11PTYP2	R11PTYP2:W11 Current pension type #2	Categ
12	R12PTYP2	R12PTYP2:W12 Current pension type #2	Categ
13	R13PTYP2	R13PTYP2:W13 Current pension type #2	Categ
14	R14PTYP2	R14PTYP2:W14 Current pension type #2	Categ
15	R15PTYP2	R15PTYP2:W15 Current pension type #2	Categ
16	R16PTYP2	R16PTYP2:W16 Current pension type #2	Categ
1	S1PTYP2	S1PTYP2:W1 Current pension type #2	Categ
2	S2PTYP2	S2PTYP2:W2 Current pension type #2	Categ
3	S3PTYP2	S3PTYP2:W3 Current pension type #2	Categ
4	S4PTYP2	S4PTYP2:W4 Current pension type #2	Categ
5	S5PTYP2	S5PTYP2:W5 Current pension type #2	Categ
6	S6PTYP2	S6PTYP2:W6 Current pension type #2	Categ
7	S7PTYP2	S7PTYP2:W7 Current pension type #2	Categ
8	S8PTYP2	S8PTYP2:W8 Current pension type #2	Categ
9	S9PTYP2	S9PTYP2:W9 Current pension type #2	Categ
10	S10PTYP2	S10PTYP2:W10 Current pension type #2	Categ
11	S11PTYP2	S11PTYP2:W11 Current pension type #2	Categ
12	S12PTYP2	S12PTYP2:W12 Current pension type #2	Categ
13	S13PTYP2	S13PTYP2:W13 Current pension type #2	Categ
14	S14PTYP2	S14PTYP2:W14 Current pension type #2	Categ
15	S15PTYP2	S15PTYP2:W15 Current pension type #2	Categ

16	S16PTYP2	S16PTYP2:W16 Current pension type #2	Categ
1	R1PTYP3	R1PTYP3:W1 Current pension type #3	Categ
2	R2PTYP3	R2PTYP3:W2 Current pension type #3	Categ
3	R3PTYP3	R3PTYP3:W3 Current pension type #3	Categ
4	R4PTYP3	R4PTYP3:W4 Current pension type #3	Categ
5	R5PTYP3	R5PTYP3:W5 Current pension type #3	Categ
6	R6PTYP3	R6PTYP3:W6 Current pension type #3	Categ
7	R7PTYP3	R7PTYP3:W7 Current pension type #3	Categ
8	R8PTYP3	R8PTYP3:W8 Current pension type #3	Categ
9	R9PTYP3	R9PTYP3:W9 Current pension type #3	Categ
10	R10PTYP3	R10PTYP3:W10 Current pension type #3	Categ
11	R11PTYP3	R11PTYP3:W11 Current pension type #3	Categ
12	R12PTYP3	R12PTYP3:W12 Current pension type #3	Categ
13	R13PTYP3	R13PTYP3:W13 Current pension type #3	Categ
14	R14PTYP3	R14PTYP3:W14 Current pension type #3	Categ
15	R15PTYP3	R15PTYP3:W15 Current pension type #3	Categ
16	R16PTYP3	R16PTYP3:W16 Current pension type #3	Categ
1	S1PTYP3	S1PTYP3:W1 Current pension type #3	Categ
2	S2PTYP3	S2PTYP3:W2 Current pension type #3	Categ
3	S3PTYP3	S3PTYP3:W3 Current pension type #3	Categ
4	S4PTYP3	S4PTYP3:W4 Current pension type #3	Categ
5	S5PTYP3	S5PTYP3:W5 Current pension type #3	Categ
6	S6PTYP3	S6PTYP3:W6 Current pension type #3	Categ
7	S7PTYP3	S7PTYP3:W7 Current pension type #3	Categ
8	S8PTYP3	S8PTYP3:W8 Current pension type #3	Categ
9	S9PTYP3	S9PTYP3:W9 Current pension type #3	Categ
10	S10PTYP3	S10PTYP3:W10 Current pension type #3	Categ
11	S11PTYP3	S11PTYP3:W11 Current pension type #3	Categ
12	S12PTYP3	S12PTYP3:W12 Current pension type #3	Categ
13	S13PTYP3	S13PTYP3:W13 Current pension type #3	Categ
14	S14PTYP3	S14PTYP3:W14 Current pension type #3	Categ
15	S15PTYP3	S15PTYP3:W15 Current pension type #3	Categ
16	S16PTYP3	S16PTYP3:W16 Current pension type #3	Categ
5	R5PTYP4	R5PTYP4:W5 Current pension type #4	Categ
6	R6PTYP4	R6PTYP4:W6 Current pension type #4	Categ
7	R7PTYP4	R7PTYP4:W7 Current pension type #4	Categ
8	R8PTYP4	R8PTYP4:W8 Current pension type #4	Categ
9	R9PTYP4	R9PTYP4:W9 Current pension type #4	Categ
10	R10PTYP4	R10PTYP4:W10 Current pension type #4	Categ
11	R11PTYP4	R11PTYP4:W11 Current pension type #4	Categ
12	R12PTYP4	R12PTYP4:W12 Current pension type #4	Categ
13	R13PTYP4	R13PTYP4:W13 Current pension type #4	Categ
14	R14PTYP4	R14PTYP4:W14 Current pension type #4	Categ
15	R15PTYP4	R15PTYP4:W15 Current pension type #4	Categ
16	R16PTYP4	R16PTYP4:W16 Current pension type #4	Categ
5	S5PTYP4	S5PTYP4:W5 Current pension type #4	Categ
6	S6PTYP4	S6PTYP4:W6 Current pension type #4	Categ
7	S7PTYP4	S7PTYP4:W7 Current pension type #4	Categ
8	S8PTYP4	S8PTYP4:W8 Current pension type #4	Categ
9	S9PTYP4	S9PTYP4:W9 Current pension type #4	Categ
10	S10PTYP4	S10PTYP4:W10 Current pension type #4	Categ
11	S11PTYP4	S11PTYP4:W11 Current pension type #4	Categ
12	S12PTYP4	S12PTYP4:W12 Current pension type #4	Categ
13	S13PTYP4	S13PTYP4:W13 Current pension type #4	Categ
14	S14PTYP4	S14PTYP4:W14 Current pension type #4	Categ
15	S15PTYP4	S15PTYP4:W15 Current pension type #4	Categ
16	S16PTYP4	S16PTYP4:W16 Current pension type #4	Categ

Descriptive Statistics

R1PTYP1	4354	1.41	0.55	1.0	3.0
R2PTYP1	3684	1.48	0.61	1.0	3.0
R3PTYP1	3172	1.58	0.64	1.0	3.0

R4PTYP1	3875	1.63	0.64	1.0	3.0
R5PTYP1	3238	1.59	0.59	1.0	3.0
R6PTYP1	2559	1.64	0.61	1.0	3.0
R7PTYP1	3537	1.66	0.59	1.0	3.0
R8PTYP1	2810	1.65	0.58	1.0	3.0
R9PTYP1	2413	1.69	0.53	1.0	3.0
R10PTYP1	3902	1.63	0.53	1.0	3.0
R11PTYP1	3416	1.79	0.59	1.0	3.0
R12PTYP1	2975	1.74	0.53	1.0	3.0
R13PTYP1	3576	1.80	0.58	1.0	3.0
R14PTYP1	2779	1.81	0.57	1.0	3.0
R15PTYP1	2436	1.83	0.57	1.0	3.0
R16PTYP1	2326	1.85	0.59	1.0	3.0
S1PTYP1	3431	1.41	0.55	1.0	3.0
S2PTYP1	2871	1.48	0.62	1.0	3.0
S3PTYP1	2427	1.59	0.64	1.0	3.0
S4PTYP1	2962	1.64	0.64	1.0	3.0
S5PTYP1	2465	1.59	0.59	1.0	3.0
S6PTYP1	1930	1.65	0.61	1.0	3.0
S7PTYP1	2654	1.67	0.59	1.0	3.0
S8PTYP1	2107	1.66	0.58	1.0	3.0
S9PTYP1	1803	1.69	0.53	1.0	3.0
S10PTYP1	2762	1.63	0.53	1.0	3.0
S11PTYP1	2452	1.80	0.58	1.0	3.0
S12PTYP1	2116	1.75	0.52	1.0	3.0
S13PTYP1	2391	1.79	0.57	1.0	3.0
S14PTYP1	1790	1.80	0.55	1.0	3.0
S15PTYP1	1517	1.82	0.57	1.0	3.0
S16PTYP1	1334	1.84	0.58	1.0	3.0
R1PTYP2	1229	1.85	0.39	1.0	3.0
R2PTYP2	677	1.75	0.54	1.0	3.0
R3PTYP2	598	1.80	0.52	1.0	3.0
R4PTYP2	931	1.77	0.55	1.0	3.0
R5PTYP2	652	1.70	0.49	1.0	3.0
R6PTYP2	502	1.76	0.55	1.0	3.0
R7PTYP2	1025	1.77	0.50	1.0	3.0
R8PTYP2	532	1.77	0.46	1.0	3.0
R9PTYP2	708	1.73	0.47	1.0	3.0
R10PTYP2	1203	1.70	0.49	1.0	3.0
R11PTYP2	950	1.73	0.62	1.0	3.0
R12PTYP2	785	1.69	0.55	1.0	3.0
R13PTYP2	820	1.70	0.57	1.0	3.0
R14PTYP2	532	1.67	0.60	1.0	3.0
R15PTYP2	480	1.71	0.62	1.0	3.0
R16PTYP2	426	1.69	0.57	1.0	3.0
S1PTYP2	986	1.85	0.39	1.0	3.0
S2PTYP2	540	1.74	0.55	1.0	3.0
S3PTYP2	477	1.81	0.52	1.0	3.0
S4PTYP2	736	1.77	0.54	1.0	3.0
S5PTYP2	512	1.69	0.49	1.0	3.0
S6PTYP2	389	1.74	0.54	1.0	3.0
S7PTYP2	783	1.77	0.51	1.0	3.0
S8PTYP2	405	1.76	0.48	1.0	3.0
S9PTYP2	535	1.74	0.47	1.0	3.0
S10PTYP2	857	1.70	0.49	1.0	3.0
S11PTYP2	690	1.73	0.62	1.0	3.0

S12PTYP2	567	1.69	0.55	1.0	3.0
S13PTYP2	585	1.69	0.57	1.0	3.0
S14PTYP2	367	1.64	0.59	1.0	3.0
S15PTYP2	311	1.68	0.61	1.0	3.0
S16PTYP2	244	1.68	0.56	1.0	3.0
R1PTYP3	176	1.93	0.30	1.0	3.0
R2PTYP3	80	1.86	0.63	1.0	3.0
R3PTYP3	75	1.87	0.50	1.0	3.0
R4PTYP3	116	1.70	0.55	1.0	3.0
R5PTYP3	58	1.71	0.50	1.0	3.0
R6PTYP3	47	1.79	0.59	1.0	3.0
R7PTYP3	139	1.74	0.49	1.0	3.0
R8PTYP3	48	1.77	0.47	1.0	3.0
R9PTYP3	82	1.77	0.50	1.0	3.0
R10PTYP3	147	1.76	0.43	1.0	2.0
R11PTYP3	144	1.69	0.60	1.0	3.0
R12PTYP3	107	1.82	0.51	1.0	3.0
R13PTYP3	82	1.77	0.48	1.0	3.0
R14PTYP3	60	1.65	0.55	1.0	3.0
R15PTYP3	50	1.62	0.53	1.0	3.0
R16PTYP3	51	1.71	0.50	1.0	3.0
S1PTYP3	143	1.92	0.32	1.0	3.0
S2PTYP3	69	1.87	0.62	1.0	3.0
S3PTYP3	62	1.89	0.48	1.0	3.0
S4PTYP3	92	1.70	0.55	1.0	3.0
S5PTYP3	46	1.63	0.53	1.0	3.0
S6PTYP3	36	1.81	0.58	1.0	3.0
S7PTYP3	107	1.72	0.49	1.0	3.0
S8PTYP3	41	1.78	0.47	1.0	3.0
S9PTYP3	66	1.77	0.52	1.0	3.0
S10PTYP3	105	1.77	0.42	1.0	2.0
S11PTYP3	108	1.69	0.59	1.0	3.0
S12PTYP3	80	1.80	0.54	1.0	3.0
S13PTYP3	62	1.79	0.48	1.0	3.0
S14PTYP3	42	1.57	0.50	1.0	2.0
S15PTYP3	33	1.70	0.53	1.0	3.0
S16PTYP3	27	1.67	0.55	1.0	3.0
R5PTYP4	10	1.70	0.48	1.0	2.0
R6PTYP4	5	1.60	0.55	1.0	2.0
R7PTYP4	23	1.87	0.46	1.0	3.0
R8PTYP4	4	1.25	0.50	1.0	2.0
R9PTYP4	6	2.00	0.63	1.0	3.0
R10PTYP4	10	1.70	0.48	1.0	2.0
R11PTYP4	15	1.67	0.72	1.0	3.0
R12PTYP4	10	1.60	0.52	1.0	2.0
R13PTYP4	7	1.43	0.53	1.0	2.0
R14PTYP4	9	1.56	0.73	1.0	3.0
R16PTYP4	3	1.67	0.58	1.0	2.0
S5PTYP4	8	1.75	0.46	1.0	2.0
S6PTYP4	5	1.60	0.55	1.0	2.0
S7PTYP4	21	1.86	0.48	1.0	3.0
S8PTYP4	4	1.25	0.50	1.0	2.0
S9PTYP4	5	1.80	0.45	1.0	2.0
S10PTYP4	6	1.83	0.41	1.0	2.0
S11PTYP4	11	1.64	0.67	1.0	3.0

S12PTYP4	7	1.71	0.49	1.0	2.0
S13PTYP4	4	1.50	0.58	1.0	2.0
S14PTYP4	7	1.71	0.76	1.0	3.0
S16PTYP4	1	2.00		2.0	2.0

Categorical Variable Codes

RwPTYP1: Current pension type #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	93	61	48	83	121	76	84	69	160	165
.J=Web interview, missing										
.M=Oth missing			7	1						8
.Q=Not asked this wv		8222								
.R=RF	9	15	8	2	2	2	2	3	10	9
.S=No pen info	8196	7660	14756	17423	16217	15528	16506	15587	14634	17950
1.DB	2703	2146	1598	1776	1495	1107	1420	1153	833	1534
2.DC	1511	1308	1321	1763	1570	1265	1905	1499	1497	2266
3.DB+DC	140	230	253	336	173	187	212	158	83	102

Value	w11	w12	w13	w14	w15	w16
.D=DK	488	256	261	233	120	240
.J=Web interview, missing				7	13	10
.M=Oth missing		23	18	9	4	12
.Q=Not asked this wv						
.R=RF	28	49	124	40	139	62
.S=No pen info	16622	15444	16933	14078	13011	13137
1.DB	1019	903	1035	756	635	596
2.DC	2090	1934	2237	1788	1573	1477
3.DB+DC	307	138	304	235	228	253

SwPTYP1: Current pension type #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	75	47	40	53	92	54	63	49	106	109
.J=Web interview, missing										
.M=Oth missing			5							4
.Q=Not asked this wv		4549								
.R=RF	6	13	7	1	2	1	2	3	7	7
.S=No pen info	6388	5810	9438	10964	10171	9654	10253	9576	8730	10631
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
1.DB	2132	1676	1199	1328	1140	825	1043	842	613	1088
2.DC	1191	1010	1026	1367	1196	964	1446	1143	1129	1608
3.DB+DC	108	185	202	267	129	141	165	122	61	66

Value	w11	w12	w13	w14	w15	w16
.D=DK	326	164	146	138	66	118
.J=Web interview, missing				2	11	4
.M=Oth missing		18	13	10	4	8
.Q=Not asked this wv						
.R=RF	18	32	88	17	77	31
.S=No pen info	9688	8682	9141	7401	6802	6345
.U=Unmarried	7473	7125	8024	6678	6193	6541

.V=Spouse NR	597	610	1109	1110	1053	1406
1.DB	716	625	697	482	401	349
2.DC	1521	1401	1502	1177	981	856
3.DB+DC	215	90	192	131	135	129

RwPTYP2: Current pension type #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	15	14	17	18	26	22	28	20	80	70
.J=Web interview, missing										
.M=Oth missing			1	1		2		1	1	42
.Q=Not asked this wv		8222								
.R=RF	4	6	6	12	3	6	1	4	3	14
.S=No pen info	11404	10723	17369	20422	18897	17633	19075	17912	16425	20705
1.DB	199	204	153	274	203	150	271	131	197	383
2.DC	1017	440	412	599	440	323	714	391	502	803
3.DB+DC	13	33	33	58	9	29	40	10	9	17

Value	w11	w12	w13	w14	w15	w16
.D=DK	105	42	34	24	12	25
.J=Web interview, missing				1	3	4
.M=Oth missing		3	4			
.Q=Not asked this wv						
.R=RF	9	7	13	1	14	1
.S=No pen info	19490	17910	20041	16588	15214	15331
1.DB	344	283	292	209	183	154
2.DC	520	466	480	287	255	248
3.DB+DC	86	36	48	36	42	24

SwPTYP2: Current pension type #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	10	12	10	14	18	16	22	15	59	44
.J=Web interview, missing										
.M=Oth missing			1	1		2		1	1	29
.Q=Not asked this wv		4549								
.R=RF	4	5	6	8	2	4	1	3	1	8
.S=No pen info	8900	8184	11423	13221	12198	11228	12166	11311	10050	12575
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
1.DB	161	167	119	214	166	121	212	107	145	268
2.DC	815	344	331	479	339	249	540	289	382	578
3.DB+DC	10	29	27	43	7	19	31	9	8	11

Value	w11	w12	w13	w14	w15	w16
.D=DK	70	29	22	17	8	13
.J=Web interview, missing				1	1	1
.M=Oth missing		3	3			1
.Q=Not asked this wv						
.R=RF	7	4	9		9	1
.S=No pen info	11717	10409	11160	8973	8148	7580
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.DB	250	199	213	154	124	89
2.DC	377	343	340	191	164	143
3.DB+DC	63	25	32	22	23	12

RwPTYP3: Current pension type #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	9	9	7	12	8	4	14	3	12	17
.J=Web interview, missing										
.M=Oth missing			2	1		2		1		28
.Q=Not asked this wv		8222								
.R=RF	4	2	6	4	1	2	3	2	6	7
.S=No pen info	12463	11329	17901	21251	19511	18110	19973	18415	17117	21835
1.DB	15	22	15	40	18	14	39	12	22	35
2.DC	159	47	55	71	39	29	97	35	57	112
3.DB+DC	2	11	5	5	1	4	3	1	3	

Value	w11	w12	w13	w14	w15	w16
.D=DK	17	7	4	2	2	3
.J=Web interview, missing				1		1
.M=Oth missing			1			
.Q=Not asked this wv						
.R=RF	3	3	1			
.S=No pen info	20390	18630	20824	17083	15671	15732
1.DB	55	25	21	23	20	16
2.DC	79	76	59	35	29	34
3.DB+DC	10	6	2	2	1	1

SwPTYP3: Current pension type #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	9	7	7	11	7	3	11	1	8	13
.J=Web interview, missing										
.M=Oth missing			2			1		1		18
.Q=Not asked this wv		4549								
.R=RF	4	2	6	4		2	1	2	5	6
.S=No pen info	9744	8663	11840	13873	12677	11597	12853	11690	10567	13371
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
1.DB	13	18	11	32	18	10	32	10	18	24
2.DC	128	42	47	56	27	23	73	30	45	81
3.DB+DC	2	9	4	4	1	3	2	1	3	

Value	w11	w12	w13	w14	w15	w16
.D=DK	13	5	4	2	2	3
.J=Web interview, missing				1		
.M=Oth missing			1			
.Q=Not asked this wv						
.R=RF	2	3	1			
.S=No pen info	12361	10924	11711	9313	8442	7810
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.DB	40	21	15	18	11	10
2.DC	61	54	45	24	21	16
3.DB+DC	7	5	2		1	1

RwPTYP4: Current pension type #4

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK						1	3	1	3	6
.M=Oth missing					1	1				10
.R=RF										1
.S=No pen info					19567	18158	20103	18464	17208	22007
1.DB					3	2	4	3	1	3
2.DC					7	3	18	1	4	7
3.DB+DC							1		1	

Value	w11	w12	w13	w14	w15	w16
.D=DK	1	1				
.M=Oth missing						
.R=RF		1				
.S=No pen info	20538	18735	20905	17137	15723	15784
1.DB	7	4	4	5		1
2.DC	6	6	3	3		2
3.DB+DC	2			1		

SwPTYP4: Current pension type #4

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK							2	1	3	3
.M=Oth missing					1	1				8
.R=RF										1
.S=No pen info					12721	11633	12949	11730	10638	13495
.U=Unmarried					6537	6306	6777	6417	6206	7797
.V=Spouse NR					311	220	380	317	365	724
1.DB					2	2	4	3	1	1
2.DC					6	3	16	1	4	5
3.DB+DC							1			

Value	w11	w12	w13	w14	w15	w16
.D=DK		1				
.M=Oth missing						
.R=RF						
.S=No pen info	12473	11004	11775	9351	8477	7839
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.DB	5	2	2	3		
2.DC	5	5	2	3		1
3.DB+DC	1			1		

How Constructed

RwPTYP1, RwPTYP2, RwPTYP3 and RwPTYP4 indicate the types of pension plans in which the Respondent is included at their current job. Before Wave 5, the Respondent may report the type of up to three pension plans. From Wave 5 through Wave 10, the Respondent may report the type of up to four pension plans. SwPTYP1, SwPTYP2, SwPTYP3 and SwPTYP4 provide this information for the Respondent's spouse or partner. From Wave 11 forward, the Respondent can report the type of an unlimited number of pension plans, but we limit the RAND HRS Longitudinal File to the first four reported plans from the current job to align with previous waves.

If the Respondent is included in a pension through their current job then they are asked for the type of plan. The Respondent

may identify the plan type as Type A, Type B, or both. A Type A plan refers to a defined benefit (DB) plan, and a Type B plan refers to a defined contribution (DC) plan. RwPTYP1, RwPTYP2, RwPTYP3 and RwPTYP4 are set to the types of pensions that the Respondent reports. The plan type is simply recoded for missing values. It is set to .S if the Respondent does not have the pension, e.g., if the Respondent has one pension, RwPTYP2 and RwPTYP3 (or RwPTYP4 from Wave 5 on) are set to .S. They are also set to .S if the Respondent does not have a pension associated with the current job, did not provide a number of pensions (for waves prior to Wave 11), or is not working.

SwPTYP1, SwPTYP2, SwPTYP3 and SwPTYP4 information is taken from the spouse's self-reported RwPTYP1, RwPTYP2, RwPTYP3 and RwPTYP4 variables, if available. If the Respondent is not married, SwPTYP1, SwPTYP2, SwPTYP3 and SwPTYP4 are set to .U=unmarried. If the Respondent's spouse did not respond then SwPTYP1, SwPTYP2, SwPTYP3 and SwPTYP4 are set to .V=Spouse is non-response.

Because this question is not asked in Wave 2A, the variables are set to .Q.

Cross Wave Differences in Original HRS Data

In Wave 1, if the Respondent reports having a pension(s) from the current job, the number of pensions is ascertained, and the type of pension is requested for up to three pensions. The question asks: "I would like to know what type of plan this is. In some retirement plans, Type A, benefits are usually based on a formula involving age, years of service and salary. In other plans, Type B, money is accumulated in an account for you. Is your plan Type A or Type B?" The response may be Type A, Type B, or both. Type A refers to a defined benefits (DB) plan, and Type B refers to a defined contributions (DC) plan.

If the Respondent has more than one plan, for subsequent plans the question is preceded by the phrase: "About the (next) most important of these plans...".

In Wave 2H, 3H and from Wave 4 forward, those who are with the same employer and who reported having a pension at the previous wave are asked if the rules have changed. Except in Wave 7, if no rules change is reported, a limited number of follow-up questions are asked, including the number of plans and their types. In all waves, including Wave 7, if there is not a rules change or if there is not a prior wave pension with the current employer but the Respondent reports one in the current wave, a more complete set of questions is asked. These questions include the number of plans and their types.

In both places, the wording is the same as that in Wave 1 with a slight variation in the preface if there is more than one plan. The question is preceded by the statement: "Now I have some questions about the (next) most important of these plans."

In Wave 2H, the questions are asked separately for those employed by a firm and the self-employed, but the question wording is the same for both.

In Wave 3A, the questions about the current job's pension plan(s) are asked in two places depending on whether the Respondent works for a firm or is self-employed. The wording in both places is the same as in Wave 1. Respondents who work at a firm are asked a set of questions reporting on up to three plan types. The self-employed are asked a set of questions reporting on only one plan type.

The questions are not asked in Wave 2A.

Beginning in Wave 5, a fourth plan type is asked if the Respondent reports having at least four plans.

Prior to Wave 11, the Respondent was asked to list pension plans in order of importance. From Wave 11 forward, due to the questionnaire change, the Respondent answers questions about all pension plans, with no regard to importance.

HRS Variables Used

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HRS 1992:
    V2838           F36:PENSION PLANS
    V2901           F37:PENS/RET PLNS ON JOB
    V2908           F38:# PLNS INCLD ON JB
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    V2909           F39:P1-TYPE OF PLAN
    V3009           F39:P2-TYPE OF PLAN
    V3109           F39:P3-TYPE OF PLAN
HRS 1994:
    W3710           FA63.PENSION RULES CHANG
    W3711           FA64.NUMBER PENSION PLAN
    W3712           1. FA65.TYPE OF PENSION
    W3724           2. FA65.TYPE OF PENSION
    W3736           3. FA65.TYPE OF PENSION
    W3748           FA71.PLAN OFFERED BY EMP
    W3755           FA72.NUMBER PENSION PLAN
    W3756           1. FA73.TYPE OF PENSION
    W3808           2. FA73.TYPE OF PENSION
    W3860           3. FA73.TYPE OF PENSION
    W4375           FB26.PENSION/RETIREMENT
    W4376           FB27.PENSION RULES CHANG
    W4377           FB28.NUMBER PENSION PLAN
    W4378           1. FB29.TYPE OF RETIREME
    W4390           2. FB29.TYPE OF RETIREME
    W4402           3. FB29.TYPE OF RETIREME
    W4414           FB36.NUMBER PENSION PLAN
    W4415           1. FB37.TYPE OF PENSION
    W4467           2. FB37.TYPE OF PENSION
    W4519           3. FB37.TYPE OF PENSION
AHEAD 1995:
    D2928           GA63.PENSION RULES CHANGED
    D2955           GA71. WHETHER PENSION PLAN
    D2964           GA72. NUMBER PENSION PLANS
    D2969_1         GA73. TYPE PENSION
    D2969_2         GA73. TYPE PENSION
    D2969_3         GA73. TYPE PENSION
    D3287           GB26.INCLUDED IN PENSION PLAN
    D3325           GB36. NUMBER PENSION PLANS
    D3330_1         GB37. TYPE PENSION
HRS 1996:
    E2835           G67.PENSION RULES CHANGED
    E2837           G68.NUMBER PENSION PLANS
    E2840_1         G69.TYPE OF PENSION
    E2840_2         G69.TYPE OF PENSION
    E2840_3         G69.TYPE OF PENSION
    E2861           G75.PLAN OFFERED BY EMPLOYER
    E2870           G76.NUMBER PENSION PLANS INCLUDED
    E2875_1         G77.TYPE OF PENSION
    E2875_2         G77.TYPE OF PENSION
    E2875_3         G77.TYPE OF PENSION
HRS 1998:
    F3359           G67.PENSION RULES CHANGED
    F3361           G68.NUMBER PENSION PLANS
    F3364_1         G69.TYPE OF PENSION
    F3364_2         G69.TYPE OF PENSION
    F3364_3         G69.TYPE OF PENSION
    F3389           G75.PLAN OFFERED BY EMPLOYER
    F3398           G76.NUMBER PENSION PLANS INCLUDED
    F3403_1         G77.TYPE OF PENSION
    F3403_2         G77.TYPE OF PENSION
    F3403_3         G77.TYPE OF PENSION
HRS 2000:
    G3619           G67.PENSION RULES CHANGED
    G3621           G68.NUMBER PENSION PLANS
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    G3624_1         G69.TYPE OF PENSION
    G3624_2         G69.TYPE OF PENSION
    G3624_3         G69.TYPE OF PENSION
    G3624_4         G69.TYPE OF PENSION
    G3654           G75.PLAN OFFERED BY EMPLOYER
    G3678           G76.NUMBER PENSION PLANS INCLUDED
    G3683_1         G77.TYPE OF PENSION
    G3683_2         G77.TYPE OF PENSION
    G3683_3         G77.TYPE OF PENSION
    G3683_4         G77.TYPE OF PENSION
HRS 2002:
    HJ272_1         TYPE OF PENSION- 1
    HJ272_2         TYPE OF PENSION- 2
    HJ272_3         TYPE OF PENSION- 3
    HJ272_4         TYPE OF PENSION- 4
    HJ338_1         PENSION PLAN TYPE- 1
    HJ338_2         PENSION PLAN TYPE- 2
    HJ338_3         PENSION PLAN TYPE- 3
    HJ338_4         PENSION PLAN TYPE- 4
HRS 2006:
    KJ272A          TYPE OF PENSION- 1 -1
    KJ272B          TYPE OF PENSION- 1 -2
    KJ272C          TYPE OF PENSION- 1 -3
    KJ272D          TYPE OF PENSION- 1 -4
HRS 2008:
    LJ338_1         PENSION PLAN TYPE- 1
    LJ338_2         PENSION PLAN TYPE- 2
    LJ338_3         PENSION PLAN TYPE- 3
    LJ338_4         PENSION PLAN TYPE- 4
HRS 2010:
    MJ338_1         PENSION PLAN TYPE- 1
    MJ338_2         PENSION PLAN TYPE- 2
    MJ338_3         PENSION PLAN TYPE- 3
    MJ338_4         PENSION PLAN TYPE- 4
HRS 2002-2006:
    xJ265           J265 BRANCHPOINT
    xJ268           PENSION RULES CHANGED
    xJ324           PLAN OFFERED BY EMPLOYER
    xJ335           # PENSION PLANS INCLUDED
HRS 2004-2006:
    xJ338A          PENSION PLAN TYPE- 1
    xJ338B          PENSION PLAN TYPE- 2
    xJ338C          PENSION PLAN TYPE- 3
    xJ338D          PENSION PLAN TYPE- 4
HRS 2012-2018:
    xJ2338_10       PENSION PLAN TYPE-DB OR DC -1_10
HRS 2012-2022:
    xJ2338_1        PENSION PLAN TYPE-DB OR DC -1_1
    xJ2338_2        PENSION PLAN TYPE-DB OR DC -1_2
    xJ2338_3        PENSION PLAN TYPE-DB OR DC -1_3
    xJ2338_4        PENSION PLAN TYPE-DB OR DC -1_4
    xJ2338_5        PENSION PLAN TYPE-DB OR DC -1_5
    xJ2338_6        PENSION PLAN TYPE-DB OR DC -1_6
    xJ2338_7        PENSION PLAN TYPE-DB OR DC -1_7
    xJ2338_8        PENSION PLAN TYPE-DB OR DC -1_8
    xJ2338_9        PENSION PLAN TYPE-DB OR DC -1_9
HRS 2014-2018:
    xJ2Z140_10      PREV WAVE OLD PENSION TYPE_10
HRS 2014-2022:
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xJ2Z140_1	PREV WAVE OLD PENSION TYPE_1
xJ2Z140_2	PREV WAVE OLD PENSION TYPE_2
xJ2Z140_3	PREV WAVE OLD PENSION TYPE_3
xJ2Z140_4	PREV WAVE OLD PENSION TYPE_4
xJ2Z140_5	PREV WAVE OLD PENSION TYPE_5
xJ2Z140_6	PREV WAVE OLD PENSION TYPE_6
xJ2Z140_7	PREV WAVE OLD PENSION TYPE_7
xJ2Z140_8	PREV WAVE OLD PENSION TYPE_8
xJ2Z140_9	PREV WAVE OLD PENSION TYPE_9

Detailed type of pension plan from current job

Wave	Variable	Label	Type
9	R9PTYPD1	R9PTYPD1:W9 Current pension type in detail #1	Categ
10	R10PTYPD1	R10PTYPD1:W10 Current pension type in detail #1	Categ
11	R11PTYPD1	R11PTYPD1:W11 Current pension type in detail #1	Categ
12	R12PTYPD1	R12PTYPD1:W12 Current pension type in detail #1	Categ
13	R13PTYPD1	R13PTYPD1:W13 Current pension type in detail #1	Categ
14	R14PTYPD1	R14PTYPD1:W14 Current pension type in detail #1	Categ
15	R15PTYPD1	R15PTYPD1:W15 Current pension type in detail #1	Categ
16	R16PTYPD1	R16PTYPD1:W16 Current pension type in detail #1	Categ
9	S9PTYPD1	S9PTYPD1:W9 Current pension type in detail #1	Categ
10	S10PTYPD1	S10PTYPD1:W10 Current pension type in detail #1	Categ
11	S11PTYPD1	S11PTYPD1:W11 Current pension type in detail #1	Categ
12	S12PTYPD1	S12PTYPD1:W12 Current pension type in detail #1	Categ
13	S13PTYPD1	S13PTYPD1:W13 Current pension type in detail #1	Categ
14	S14PTYPD1	S14PTYPD1:W14 Current pension type in detail #1	Categ
15	S15PTYPD1	S15PTYPD1:W15 Current pension type in detail #1	Categ
16	S16PTYPD1	S16PTYPD1:W16 Current pension type in detail #1	Categ
9	R9PTYPD2	R9PTYPD2:W9 Current pension type in detail #2	Categ
10	R10PTYPD2	R10PTYPD2:W10 Current pension type in detail #2	Categ
11	R11PTYPD2	R11PTYPD2:W11 Current pension type in detail #2	Categ
12	R12PTYPD2	R12PTYPD2:W12 Current pension type in detail #2	Categ
13	R13PTYPD2	R13PTYPD2:W13 Current pension type in detail #2	Categ
14	R14PTYPD2	R14PTYPD2:W14 Current pension type in detail #2	Categ
15	R15PTYPD2	R15PTYPD2:W15 Current pension type in detail #2	Categ
16	R16PTYPD2	R16PTYPD2:W16 Current pension type in detail #2	Categ
9	S9PTYPD2	S9PTYPD2:W9 Current pension type in detail #2	Categ
10	S10PTYPD2	S10PTYPD2:W10 Current pension type in detail #2	Categ
11	S11PTYPD2	S11PTYPD2:W11 Current pension type in detail #2	Categ
12	S12PTYPD2	S12PTYPD2:W12 Current pension type in detail #2	Categ
13	S13PTYPD2	S13PTYPD2:W13 Current pension type in detail #2	Categ
14	S14PTYPD2	S14PTYPD2:W14 Current pension type in detail #2	Categ
15	S15PTYPD2	S15PTYPD2:W15 Current pension type in detail #2	Categ
16	S16PTYPD2	S16PTYPD2:W16 Current pension type in detail #2	Categ
9	R9PTYPD3	R9PTYPD3:W9 Current pension type in detail #3	Categ
10	R10PTYPD3	R10PTYPD3:W10 Current pension type in detail #3	Categ
11	R11PTYPD3	R11PTYPD3:W11 Current pension type in detail #3	Categ
12	R12PTYPD3	R12PTYPD3:W12 Current pension type in detail #3	Categ
13	R13PTYPD3	R13PTYPD3:W13 Current pension type in detail #3	Categ
14	R14PTYPD3	R14PTYPD3:W14 Current pension type in detail #3	Categ
15	R15PTYPD3	R15PTYPD3:W15 Current pension type in detail #3	Categ
16	R16PTYPD3	R16PTYPD3:W16 Current pension type in detail #3	Categ
9	S9PTYPD3	S9PTYPD3:W9 Current pension type in detail #3	Categ
10	S10PTYPD3	S10PTYPD3:W10 Current pension type in detail #3	Categ
11	S11PTYPD3	S11PTYPD3:W11 Current pension type in detail #3	Categ
12	S12PTYPD3	S12PTYPD3:W12 Current pension type in detail #3	Categ
13	S13PTYPD3	S13PTYPD3:W13 Current pension type in detail #3	Categ
14	S14PTYPD3	S14PTYPD3:W14 Current pension type in detail #3	Categ
15	S15PTYPD3	S15PTYPD3:W15 Current pension type in detail #3	Categ
16	S16PTYPD3	S16PTYPD3:W16 Current pension type in detail #3	Categ
9	R9PTYPD4	R9PTYPD4:W9 Current pension type in detail #4	Categ
10	R10PTYPD4	R10PTYPD4:W10 Current pension type in detail #4	Categ
11	R11PTYPD4	R11PTYPD4:W11 Current pension type in detail #4	Categ
12	R12PTYPD4	R12PTYPD4:W12 Current pension type in detail #4	Categ
13	R13PTYPD4	R13PTYPD4:W13 Current pension type in detail #4	Categ
14	R14PTYPD4	R14PTYPD4:W14 Current pension type in detail #4	Categ
15	R15PTYPD4	R15PTYPD4:W15 Current pension type in detail #4	Categ
16	R16PTYPD4	R16PTYPD4:W16 Current pension type in detail #4	Categ
9	S9PTYPD4	S9PTYPD4:W9 Current pension type in detail #4	Categ
10	S10PTYPD4	S10PTYPD4:W10 Current pension type in detail #4	Categ
11	S11PTYPD4	S11PTYPD4:W11 Current pension type in detail #4	Categ

12	S12PTYPD4	S12PTYPD4:W12 Current pension type in detail #4	Categ
13	S13PTYPD4	S13PTYPD4:W13 Current pension type in detail #4	Categ
14	S14PTYPD4	S14PTYPD4:W14 Current pension type in detail #4	Categ
15	S15PTYPD4	S15PTYPD4:W15 Current pension type in detail #4	Categ
16	S16PTYPD4	S16PTYPD4:W16 Current pension type in detail #4	Categ
9	R9PTYPF1	R9PTYPF1:W9 Does pension type match detail? #1	Categ
10	R10PTYPF1	R10PTYPF1:W10 Does pension type match detail? #1	Categ
11	R11PTYPF1	R11PTYPF1:W11 Does pension type match detail? #1	Categ
12	R12PTYPF1	R12PTYPF1:W12 Does pension type match detail? #1	Categ
13	R13PTYPF1	R13PTYPF1:W13 Does pension type match detail? #1	Categ
14	R14PTYPF1	R14PTYPF1:W14 Does pension type match detail? #1	Categ
15	R15PTYPF1	R15PTYPF1:W15 Does pension type match detail? #1	Categ
16	R16PTYPF1	R16PTYPF1:W16 Does pension type match detail? #1	Categ
9	S9PTYPF1	S9PTYPF1:W9 Does pension type match detail? #1	Categ
10	S10PTYPF1	S10PTYPF1:W10 Does pension type match detail? #1	Categ
11	S11PTYPF1	S11PTYPF1:W11 Does pension type match detail? #1	Categ
12	S12PTYPF1	S12PTYPF1:W12 Does pension type match detail? #1	Categ
13	S13PTYPF1	S13PTYPF1:W13 Does pension type match detail? #1	Categ
14	S14PTYPF1	S14PTYPF1:W14 Does pension type match detail? #1	Categ
15	S15PTYPF1	S15PTYPF1:W15 Does pension type match detail? #1	Categ
16	S16PTYPF1	S16PTYPF1:W16 Does pension type match detail? #1	Categ
9	R9PTYPF2	R9PTYPF2:W9 Does pension type match detail? #2	Categ
10	R10PTYPF2	R10PTYPF2:W10 Does pension type match detail? #2	Categ
11	R11PTYPF2	R11PTYPF2:W11 Does pension type match detail? #2	Categ
12	R12PTYPF2	R12PTYPF2:W12 Does pension type match detail? #2	Categ
13	R13PTYPF2	R13PTYPF2:W13 Does pension type match detail? #2	Categ
14	R14PTYPF2	R14PTYPF2:W14 Does pension type match detail? #2	Categ
15	R15PTYPF2	R15PTYPF2:W15 Does pension type match detail? #2	Categ
16	R16PTYPF2	R16PTYPF2:W16 Does pension type match detail? #2	Categ
9	S9PTYPF2	S9PTYPF2:W9 Does pension type match detail? #2	Categ
10	S10PTYPF2	S10PTYPF2:W10 Does pension type match detail? #2	Categ
11	S11PTYPF2	S11PTYPF2:W11 Does pension type match detail? #2	Categ
12	S12PTYPF2	S12PTYPF2:W12 Does pension type match detail? #2	Categ
13	S13PTYPF2	S13PTYPF2:W13 Does pension type match detail? #2	Categ
14	S14PTYPF2	S14PTYPF2:W14 Does pension type match detail? #2	Categ
15	S15PTYPF2	S15PTYPF2:W15 Does pension type match detail? #2	Categ
16	S16PTYPF2	S16PTYPF2:W16 Does pension type match detail? #2	Categ
9	R9PTYPF3	R9PTYPF3:W9 Does pension type match detail? #3	Categ
10	R10PTYPF3	R10PTYPF3:W10 Does pension type match detail? #3	Categ
11	R11PTYPF3	R11PTYPF3:W11 Does pension type match detail? #3	Categ
12	R12PTYPF3	R12PTYPF3:W12 Does pension type match detail? #3	Categ
13	R13PTYPF3	R13PTYPF3:W13 Does pension type match detail? #3	Categ
14	R14PTYPF3	R14PTYPF3:W14 Does pension type match detail? #3	Categ
15	R15PTYPF3	R15PTYPF3:W15 Does pension type match detail? #3	Categ
16	R16PTYPF3	R16PTYPF3:W16 Does pension type match detail? #3	Categ
9	S9PTYPF3	S9PTYPF3:W9 Does pension type match detail? #3	Categ
10	S10PTYPF3	S10PTYPF3:W10 Does pension type match detail? #3	Categ
11	S11PTYPF3	S11PTYPF3:W11 Does pension type match detail? #3	Categ
12	S12PTYPF3	S12PTYPF3:W12 Does pension type match detail? #3	Categ
13	S13PTYPF3	S13PTYPF3:W13 Does pension type match detail? #3	Categ
14	S14PTYPF3	S14PTYPF3:W14 Does pension type match detail? #3	Categ
15	S15PTYPF3	S15PTYPF3:W15 Does pension type match detail? #3	Categ
16	S16PTYPF3	S16PTYPF3:W16 Does pension type match detail? #3	Categ
9	R9PTYPF4	R9PTYPF4:W9 Does pension type match detail? #4	Categ
10	R10PTYPF4	R10PTYPF4:W10 Does pension type match detail? #4	Categ
11	R11PTYPF4	R11PTYPF4:W11 Does pension type match detail? #4	Categ
12	R12PTYPF4	R12PTYPF4:W12 Does pension type match detail? #4	Categ
13	R13PTYPF4	R13PTYPF4:W13 Does pension type match detail? #4	Categ
14	R14PTYPF4	R14PTYPF4:W14 Does pension type match detail? #4	Categ
15	R15PTYPF4	R15PTYPF4:W15 Does pension type match detail? #4	Categ
16	R16PTYPF4	R16PTYPF4:W16 Does pension type match detail? #4	Categ
9	S9PTYPF4	S9PTYPF4:W9 Does pension type match detail? #4	Categ
10	S10PTYPF4	S10PTYPF4:W10 Does pension type match detail? #4	Categ
11	S11PTYPF4	S11PTYPF4:W11 Does pension type match detail? #4	Categ

12	S12PTYPF4	S12PTYPF4:W12 Does pension type match detail? #4	Categ
13	S13PTYPF4	S13PTYPF4:W13 Does pension type match detail? #4	Categ
14	S14PTYPF4	S14PTYPF4:W14 Does pension type match detail? #4	Categ
15	S15PTYPF4	S15PTYPF4:W15 Does pension type match detail? #4	Categ
16	S16PTYPF4	S16PTYPF4:W16 Does pension type match detail? #4	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R9PTYPD1	2191	3.26	6.94	1.0	95.0
R10PTYPD1	3529	3.27	8.20	1.0	96.0
R11PTYPD1	3392	2.94	2.99	1.0	16.0
R12PTYPD1	2885	2.83	2.86	1.0	16.0
R13PTYPD1	3535	2.59	3.05	1.0	95.0
R14PTYPD1	2763	3.24	8.08	1.0	95.0
R15PTYPD1	2455	3.24	8.10	1.0	95.0
R16PTYPD1	2428	3.36	9.48	1.0	95.0
S9PTYPD1	1653	3.39	7.47	1.0	95.0
S10PTYPD1	2510	3.19	7.62	1.0	96.0
S11PTYPD1	2442	2.96	3.04	1.0	16.0
S12PTYPD1	2059	2.79	2.82	1.0	16.0
S13PTYPD1	2363	2.59	3.24	1.0	95.0
S14PTYPD1	1778	3.24	8.02	1.0	95.0
S15PTYPD1	1525	3.21	7.57	1.0	95.0
S16PTYPD1	1369	3.48	9.95	1.0	95.0
R9PTYPD2	648	5.92	12.88	1.0	96.0
R10PTYPD2	1109	6.29	15.53	1.0	96.0
R11PTYPD2	903	3.25	2.80	1.0	16.0
R12PTYPD2	723	3.22	2.75	1.0	16.0
R13PTYPD2	765	3.25	2.60	1.0	16.0
R14PTYPD2	496	3.54	6.39	1.0	95.0
R15PTYPD2	443	3.65	6.70	1.0	95.0
R16PTYPD2	399	4.56	9.51	1.0	95.0
S9PTYPD2	499	5.78	12.73	1.0	96.0
S10PTYPD2	784	6.17	15.56	1.0	96.0
S11PTYPD2	655	3.25	2.86	1.0	16.0
S12PTYPD2	527	3.13	2.62	1.0	16.0
S13PTYPD2	551	3.12	2.52	1.0	16.0
S14PTYPD2	340	3.56	7.43	1.0	95.0
S15PTYPD2	288	3.52	6.00	1.0	95.0
S16PTYPD2	236	4.39	8.81	1.0	95.0
R9PTYPD3	74	11.85	22.95	1.0	96.0
R10PTYPD3	139	12.10	24.91	1.0	96.0
R11PTYPD3	133	4.13	3.27	1.0	16.0
R12PTYPD3	104	4.10	3.25	1.0	14.0
R13PTYPD3	80	4.06	3.01	1.0	13.0
R14PTYPD3	56	5.66	12.68	1.0	95.0
R15PTYPD3	46	3.65	3.03	1.0	13.0
R16PTYPD3	52	6.69	18.00	1.0	95.0
S9PTYPD3	61	12.00	22.63	1.0	96.0
S10PTYPD3	100	11.29	23.58	1.0	96.0

S11PTYPD3	98	3.82	3.03	1.0	13.0
S12PTYPD3	79	4.27	3.50	1.0	14.0
S13PTYPD3	61	4.18	3.20	1.0	13.0
S14PTYPD3	39	6.26	15.02	1.0	95.0
S15PTYPD3	30	3.73	3.06	1.0	13.0
S16PTYPD3	28	2.93	2.24	1.0	10.0
R9PTYPD4	4	8.25	6.13	2.0	14.0
R10PTYPD4	12	27.25	41.50	2.0	96.0
R11PTYPD4	12	3.50	1.73	1.0	7.0
R12PTYPD4	9	4.44	2.60	1.0	10.0
R13PTYPD4	7	2.43	1.99	1.0	6.0
R14PTYPD4	9	2.89	1.69	1.0	6.0
R16PTYPD4	3	4.67	3.21	1.0	7.0
S9PTYPD4	3	10.33	5.51	4.0	14.0
S10PTYPD4	9	35.00	45.79	2.0	96.0
S11PTYPD4	8	3.13	1.89	1.0	7.0
S12PTYPD4	6	4.83	2.79	3.0	10.0
S13PTYPD4	4	1.50	1.00	1.0	3.0
S14PTYPD4	7	2.29	1.25	1.0	4.0
S16PTYPD4	1	7.00		7.0	7.0
R9PTYPF1	2422	0.68	0.47	0.0	1.0
R10PTYPF1	3862	0.63	0.48	0.0	1.0
R11PTYPF1	3593	0.59	0.49	0.0	1.0
R12PTYPF1	3027	0.65	0.48	0.0	1.0
R13PTYPF1	3684	0.63	0.48	0.0	1.0
R14PTYPF1	2870	0.66	0.47	0.0	1.0
R15PTYPF1	2550	0.65	0.48	0.0	1.0
R16PTYPF1	2504	0.63	0.48	0.0	1.0
S9PTYPF1	1804	0.69	0.46	0.0	1.0
S10PTYPF1	2735	0.64	0.48	0.0	1.0
S11PTYPF1	2570	0.60	0.49	0.0	1.0
S12PTYPF1	2156	0.66	0.48	0.0	1.0
S13PTYPF1	2453	0.63	0.48	0.0	1.0
S14PTYPF1	1843	0.68	0.47	0.0	1.0
S15PTYPF1	1580	0.67	0.47	0.0	1.0
S16PTYPF1	1418	0.65	0.48	0.0	1.0
R9PTYPF2	706	0.73	0.44	0.0	1.0
R10PTYPF2	1172	0.71	0.45	0.0	1.0
R11PTYPF2	952	0.60	0.49	0.0	1.0
R12PTYPF2	752	0.61	0.49	0.0	1.0
R13PTYPF2	792	0.66	0.48	0.0	1.0
R14PTYPF2	510	0.67	0.47	0.0	1.0
R15PTYPF2	460	0.66	0.47	0.0	1.0
R16PTYPF2	418	0.69	0.46	0.0	1.0
S9PTYPF2	535	0.74	0.44	0.0	1.0
S10PTYPF2	833	0.72	0.45	0.0	1.0
S11PTYPF2	687	0.60	0.49	0.0	1.0
S12PTYPF2	546	0.62	0.49	0.0	1.0
S13PTYPF2	567	0.67	0.47	0.0	1.0
S14PTYPF2	350	0.65	0.48	0.0	1.0
S15PTYPF2	297	0.68	0.47	0.0	1.0
S16PTYPF2	246	0.71	0.46	0.0	1.0

R9PTYPF3	79	0.73	0.44	0.0	1.0
R10PTYPF3	140	0.76	0.43	0.0	1.0
R11PTYPF3	139	0.63	0.48	0.0	1.0
R12PTYPF3	107	0.63	0.49	0.0	1.0
R13PTYPF3	80	0.69	0.47	0.0	1.0
R14PTYPF3	56	0.66	0.48	0.0	1.0
R15PTYPF3	47	0.70	0.46	0.0	1.0
R16PTYPF3	52	0.77	0.43	0.0	1.0
S9PTYPF3	64	0.72	0.45	0.0	1.0
S10PTYPF3	101	0.75	0.43	0.0	1.0
S11PTYPF3	103	0.66	0.48	0.0	1.0
S12PTYPF3	82	0.61	0.49	0.0	1.0
S13PTYPF3	61	0.69	0.47	0.0	1.0
S14PTYPF3	39	0.67	0.48	0.0	1.0
S15PTYPF3	31	0.74	0.44	0.0	1.0
S16PTYPF3	28	0.68	0.48	0.0	1.0
R9PTYPF4	5	0.40	0.55	0.0	1.0
R10PTYPF4	9	0.78	0.44	0.0	1.0
R11PTYPF4	13	0.69	0.48	0.0	1.0
R12PTYPF4	10	0.60	0.52	0.0	1.0
R13PTYPF4	7	0.57	0.53	0.0	1.0
R14PTYPF4	9	0.67	0.50	0.0	1.0
R16PTYPF4	3	0.67	0.58	0.0	1.0
S9PTYPF4	4	0.50	0.58	0.0	1.0
S10PTYPF4	6	0.83	0.41	0.0	1.0
S11PTYPF4	9	0.78	0.44	0.0	1.0
S12PTYPF4	7	0.71	0.49	0.0	1.0
S13PTYPF4	4	0.75	0.50	0.0	1.0
S14PTYPF4	7	0.86	0.38	0.0	1.0
S16PTYPF4	1	1.00		1.0	1.0

Categorical Variable Codes

RwPTYPD1: Current pension type in detail #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK									303	381
.J=Web interview, missing										
.M=Oth missing										
.O=Other (Specify)									84	163
.R=RF									5	11
.S=No pen									14634	17950
1.401k plan									1217	1918
2.Supplemental retirement a									93	273
3.Defined benefit plan									368	482
4.Defined contribution plan									178	377
5.401a plan									1	9
6.403b plan									107	203
7.457 plan									11	11
8.Thrift/savings plan (TSP)									39	81
9.Profit-sharing plan									59	55
10.Employee stock ownership									27	25
11.Money purchase plan									1	
12.Portable cash option pla										
13.Employee stock purchase									7	5
14.SEP or SIMPLE plan									55	46
15.Combination plan									13	15
16.Cash balance plan									5	4
95.IRA/Keogh									10	17
96.Not pension, health plan										8

Value	w11	w12	w13	w14	w15	w16
.D=DK	188	122	143	106	60	67
.J=Web interview, missing				14	22	19
.M=Oth missing	9	12	14	2	7	12
.O=Other (Specify)	249	201	212	135	108	100
.R=RF	94	83	75	48	60	24
.S=No pen	16622	15444	16933	14078	13011	13137
1.401k plan	1789	1570	2128	1629	1455	1503
2.Supplemental retirement a	196	123	86	58	42	26
3.Defined benefit plan	381	330	382	297	258	250
4.Defined contribution plan	476	424	496	412	364	341
5.401a plan	8	11	13	13	13	7
6.403b plan	209	179	205	165	153	152
7.457 plan	36	32	29	25	26	24
8.Thrift/savings plan (TSP)	85	64	64	43	40	34
9.Profit-sharing plan	59	44	34	23	16	16
10.Employee stock ownership	41	28	17	13	14	8
11.Money purchase plan			1			1
12.Portable cash option pla	2	1				
13.Employee stock purchase	18	12	13	8	9	7
14.SEP or SIMPLE plan	69	45	46	39	33	21
15.Combination plan	17	16	14	13	12	12
16.Cash balance plan	6	6	6	6	3	2
95.IRA/Keogh			1	19	17	24
96.Not pension, health plan						

SwPTYPD1: Current pension type in detail #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK									196	252
.J=Web interview, missing										
.M=Oth missing										
.O=Other (Specify)									64	111
.R=RF									3	9
.S=No pen									8730	10631
.U=Umarried									6206	7797
.V=Spouse NR									365	724
1.401k plan									915	1371
2.Supplemental retirement a									70	184
3.Defined benefit plan									270	344
4.Defined contribution plan									134	267
5.401a plan										7
6.403b plan									85	137
7.457 plan									6	7
8.Thrift/savings plan (TSP)									28	60
9.Profit-sharing plan									49	45
10.Employee stock ownership									22	19
11.Money purchase plan									1	
12.Portable cash option pla										
13.Employee stock purchase									7	2
14.SEP or SIMPLE plan									43	39
15.Combination plan									11	11
16.Cash balance plan									3	2
95.IRA/Keogh									9	11
96.Not pension, health plan										4

Value	w11	w12	w13	w14	w15	w16
.D=DK	116	79	83	64	29	41
.J=Web interview, missing				5	16	9
.M=Oth missing	6	8	8	6	5	9
.O=Other (Specify)	167	130	134	80	63	56
.R=RF	65	54	50	24	37	11
.S=No pen	9688	8682	9141	7401	6802	6345
.U=Umarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.401k plan	1301	1140	1422	1048	887	840
2.Supplemental retirement a	139	90	65	36	27	18
3.Defined benefit plan	266	226	252	190	177	149
4.Defined contribution plan	328	301	337	260	216	187
5.401a plan	7	9	8	9	7	2
6.403b plan	147	114	131	109	98	86
7.457 plan	27	24	20	16	20	13
8.Thrift/savings plan (TSP)	63	42	36	26	27	21
9.Profit-sharing plan	46	37	25	18	8	9
10.Employee stock ownership	35	24	14	12	11	4
11.Money purchase plan						
12.Portable cash option pla	1	1				
13.Employee stock purchase	10	4	6	3	4	3
14.SEP or SIMPLE plan	56	33	32	28	23	12
15.Combination plan	13	12	11	9	10	9
16.Cash balance plan	3	2	3	2	1	1
95.IRA/Keogh			1	12	9	15
96.Not pension, health plan						

RwPTYPD2: Current pension type in detail #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK									108	113
.J=Web interview, missing										
.M=Oth missing									1	17
.O=Other (Specify)									32	78
.R=RF									3	12
.S=No pen									16425	20705
1.401k plan									224	356
2.Supplemental retirement a									61	172
3.Defined benefit plan									87	152
4.Defined contribution plan									52	107
5.401a plan									3	2
6.403b plan									50	93
7.457 plan									18	39
8.Thrift/savings plan (TSP)									38	50
9.Profit-sharing plan									42	38
10.Employee stock ownership									25	28
11.Money purchase plan									1	
12.Portable cash option pla										
13.Employee stock purchase									21	31
14.SEP or SIMPLE plan									4	3
15.Combination plan									2	2
16.Cash balance plan									8	5
95.IRA/Keogh									4	4
96.Not pension, health plan									8	27

Value	w11	w12	w13	w14	w15	w16
.D=DK	38	22	21	10	5	13
.J=Web interview, missing				1	6	4
.M=Oth missing	4		2		1	3
.O=Other (Specify)	98	78	72	47	45	35
.R=RF	21	14	11	4	9	2
.S=No pen	19490	17910	20041	16588	15214	15331
1.401k plan	361	295	281	196	171	124
2.Supplemental retirement a	52	38	33	15	14	7
3.Defined benefit plan	164	125	166	108	95	91
4.Defined contribution plan	158	126	147	91	76	77
5.401a plan	7	4	5	3	5	2
6.403b plan	66	64	67	42	41	47
7.457 plan	18	19	19	8	13	18
8.Thrift/savings plan (TSP)	23	13	14	8	7	8
9.Profit-sharing plan	19	14	10	7	7	7
10.Employee stock ownership	15	11	10	7	3	6
11.Money purchase plan						
12.Portable cash option pla					1	
13.Employee stock purchase	6	2	4	2	2	2
14.SEP or SIMPLE plan	6	5	2	2	3	2
15.Combination plan	4	4	2	3	1	2
16.Cash balance plan	4	3	5	2	2	2
95.IRA/Keogh				2	2	4
96.Not pension, health plan						

SwPTYPD2: Current pension type in detail #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK									72	83
.J=Web interview, missing										
.M=Oth missing									1	12
.O=Other (Specify)									22	50
.R=RF									2	9
.S=No pen									10050	12575
.U=Umarried									6206	7797
.V=Spouse NR									365	724
1.401k plan									172	262
2.Supplemental retirement a									53	124
3.Defined benefit plan									66	110
4.Defined contribution plan									41	68
5.401a plan									3	2
6.403b plan									38	70
7.457 plan									10	29
8.Thrift/savings plan (TSP)									30	27
9.Profit-sharing plan									35	24
10.Employee stock ownership									17	20
11.Money purchase plan									1	
12.Portable cash option pla										
13.Employee stock purchase									16	18
14.SEP or SIMPLE plan									2	3
15.Combination plan									1	2
16.Cash balance plan									5	3
95.IRA/Keogh									2	3
96.Not pension, health plan									7	19

Value	w11	w12	w13	w14	w15	w16
.D=DK	21	13	13	8	3	7
.J=Web interview, missing				1	3	1
.M=Oth missing	4		1		1	2
.O=Other (Specify)	73	53	47	34	29	13
.R=RF	14	10	7	2	5	1
.S=No pen	11717	10409	11160	8973	8148	7580
.U=Umarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.401k plan	265	226	222	136	113	75
2.Supplemental retirement a	37	22	19	13	8	5
3.Defined benefit plan	112	85	113	75	69	56
4.Defined contribution plan	123	95	104	63	42	39
5.401a plan	6	2	3	2	5	2
6.403b plan	43	48	44	23	21	27
7.457 plan	15	15	14	7	11	12
8.Thrift/savings plan (TSP)	13	9	9	6	5	5
9.Profit-sharing plan	16	10	6	4	5	6
10.Employee stock ownership	8	8	9	6	2	3
11.Money purchase plan						
12.Portable cash option pla					1	
13.Employee stock purchase	5		4	1	2	1
14.SEP or SIMPLE plan	5	4	1	1	2	2
15.Combination plan	3	2	2	1	1	1
16.Cash balance plan	4	1	1			
95.IRA/Keogh				2	1	2
96.Not pension, health plan						

RwPTYPD3: Current pension type in detail #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK									16	18
.J=Web interview, missing										
.M=Oth missing										18
.O=Other (Specify)									5	16
.R=RF									5	8
.S=No pen									17117	21835
1.401k plan									11	23
2.Supplemental retirement a									7	23
3.Defined benefit plan									6	11
4.Defined contribution plan									11	21
5.401a plan									2	2
6.403b plan									3	11
7.457 plan									5	7
8.Thrift/savings plan (TSP)									3	3
9.Profit-sharing plan									4	3
10.Employee stock ownership									10	16
11.Money purchase plan										1
12.Portable cash option pla									1	
13.Employee stock purchase									6	6
14.SEP or SIMPLE plan										
15.Combination plan										
16.Cash balance plan										1
95.IRA/Keogh									3	1
96.Not pension, health plan									2	10

Value	w11	w12	w13	w14	w15	w16
.D=DK	9	3	1			
.J=Web interview, missing					1	1
.M=Oth missing						
.O=Other (Specify)	19	10	7	7	5	2
.R=RF	3					
.S=No pen	20390	18630	20824	17083	15671	15732
1.401k plan	33	32	22	18	18	23
2.Supplemental retirement a	9	9	5	3		
3.Defined benefit plan	29	11	9	9	10	6
4.Defined contribution plan	26	18	22	12	6	10
5.401a plan	1	1				
6.403b plan	14	12	6	3	4	6
7.457 plan	5	10	8	3	3	3
8.Thrift/savings plan (TSP)			1	1	1	
9.Profit-sharing plan	2	1	1			
10.Employee stock ownership	7	5	3	2	3	2
11.Money purchase plan						
12.Portable cash option pla		1				
13.Employee stock purchase	5	3	3	2	1	
14.SEP or SIMPLE plan	1	1				
15.Combination plan				2		
16.Cash balance plan	1					
95.IRA/Keogh				1		2
96.Not pension, health plan						

SwPTYPD3: Current pension type in detail #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK									11	10
.J=Web interview, missing										
.M=Oth missing										12
.O=Other (Specify)									3	13
.R=RF									4	7
.S=No pen									10567	13371
.U=Umarried									6206	7797
.V=Spouse NR									365	724
1.401k plan									8	16
2.Supplemental retirement a									5	17
3.Defined benefit plan									5	7
4.Defined contribution plan									10	18
5.401a plan									1	
6.403b plan									2	8
7.457 plan									4	4
8.Thrift/savings plan (TSP)									2	2
9.Profit-sharing plan									4	3
10.Employee stock ownership									9	12
11.Money purchase plan										1
12.Portable cash option pla									1	
13.Employee stock purchase									6	5
14.SEP or SIMPLE plan										
15.Combination plan										
95.IRA/Keogh									2	1
96.Not pension, health plan									2	6

Value	w11	w12	w13	w14	w15	w16
.D=DK	7	3	1			
.J=Web interview, missing					1	
.M=Oth missing						
.O=Other (Specify)	17	6	6	6	4	2
.R=RF	1					
.S=No pen	12361	10924	11711	9313	8442	7810
.U=Umarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.401k plan	29	25	18	14	11	13
2.Supplemental retirement a	6	7	3	1		
3.Defined benefit plan	22	6	6	7	7	3
4.Defined contribution plan	17	15	16	7	4	8
5.401a plan	1	1				
6.403b plan	8	7	4	3	2	3
7.457 plan	4	7	7	1	3	
8.Thrift/savings plan (TSP)			1	1	1	
9.Profit-sharing plan	1	1	1			
10.Employee stock ownership	7	5	2	1	1	1
11.Money purchase plan						
12.Portable cash option pla		1				
13.Employee stock purchase	3	3	3	2	1	
14.SEP or SIMPLE plan		1				
15.Combination plan				1		
95.IRA/Keogh				1		
96.Not pension, health plan						

RwPTYPD4: Current pension type in detail #4

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK									4	6
.M=Oth missing										7
.O=Other (Specify)									1	1
.R=RF										1
.S=No pen									17208	22007
1.401k plan										
2.Supplemental retirement a									1	2
3.Defined benefit plan										
4.Defined contribution plan									1	5
6.403b plan										1
7.457 plan										
9.Profit-sharing plan										1
10.Employee stock ownership										
13.Employee stock purchase									1	
14.SEP or SIMPLE plan									1	
96.Not pension, health plan										3

Value	w11	w12	w13	w14	w15	w16
.D=DK		1				
.M=Oth missing						
.O=Other (Specify)	3	2				
.R=RF	1					
.S=No pen	20538	18735	20905	17137	15723	15784
1.401k plan	2	1	4	3		1
2.Supplemental retirement a						
3.Defined benefit plan	5	3	1	3		
4.Defined contribution plan	3	2	1	2		
6.403b plan	1	2	1	1		1
7.457 plan	1					1
9.Profit-sharing plan						
10.Employee stock ownership		1				
13.Employee stock purchase						
14.SEP or SIMPLE plan						
96.Not pension, health plan						

SwPTYPD4: Current pension type in detail #4

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK									4	3
.M=Oth missing										5
.O=Other (Specify)									1	
.R=RF										1
.S=No pen									10638	13495
.U=Umarried									6206	7797
.V=Spouse NR									365	724
1.401k plan										
2.Supplemental retirement a										1
3.Defined benefit plan										
4.Defined contribution plan									1	4
6.403b plan										
7.457 plan										
9.Profit-sharing plan										1
10.Employee stock ownership										
13.Employee stock purchase									1	
14.SEP or SIMPLE plan									1	
96.Not pension, health plan										3

Value	w11	w12	w13	w14	w15	w16

.D=DK		1				
.M=Oth missing						
.O=Other (Specify)	2	1				
.R=RF	1					
.S=No pen	12473	11004	11775	9351	8477	7839
.U=Umarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.401k plan	2		3	3		
2.Supplemental retirement a						
3.Defined benefit plan	4	3	1	3		
4.Defined contribution plan	1	1		1		
6.403b plan		1				
7.457 plan	1					1
9.Profit-sharing plan						
10.Employee stock ownership		1				
13.Employee stock purchase						
14.SEP or SIMPLE plan						
96.Not pension, health plan						

RwPTYPF1: Does pension type match detail? #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA									156	211
.J=Web interview, missing										
.M=Oth missing										
.N=Not a pension, other										8
.R=RF									5	3
.S=Skip									14634	17950
0.No									782	1427
1.Yes									1640	2435

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	333	240	271	174	133	124
.J=Web interview, missing				5	7	6
.M=Oth missing		5	2		1	6
.N=Not a pension, other						
.R=RF	6	31	22	19	21	10
.S=Skip	16622	15444	16933	14078	13011	13137
0.No	1482	1068	1367	983	893	923
1.Yes	2111	1959	2317	1887	1657	1581

SwPTYPF1: Does pension type match detail? #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA									109	140
.J=Web interview, missing										
.M=Oth missing										
.N=Not a pension, other										4
.R=RF									3	3
.S=Skip									8730	10631
.U=Unmarried									6206	7797
.V=Spouse NR									365	724
0.No									556	991
1.Yes									1248	1744

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	222	153	166	103	75	66
.J=Web interview, missing				1	6	3
.M=Oth missing		4	2	2	1	4
.N=Not a pension, other						
.R=RF	4	17	17	8	13	4
.S=Skip	9688	8682	9141	7401	6802	6345
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	1023	741	896	592	527	496
1.Yes	1547	1415	1557	1251	1053	922

RwPTYPF2: Does pension type match detail? #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA									75	105
.J=Web interview, missing										
.M=Oth missing									1	15
.N=Not a pension, other									8	27
.R=RF									2	10
.S=Skip									16425	20705
0.No									188	341
1.Yes									518	831

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	110	83	78	48	48	37
.J=Web interview, missing						1
.M=Oth missing			1			
.N=Not a pension, other						
.R=RF	2	2			1	
.S=Skip	19490	17910	20041	16588	15214	15331
0.No	384	291	273	169	156	131
1.Yes	568	461	519	341	304	287

SwPTYPF2: Does pension type match detail? #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA									52	69
.M=Oth missing									1	10
.N=Not a pension, other									7	19
.R=RF									1	7
.S=Skip									10050	12575
.U=Unmarried									6206	7797
.V=Spouse NR									365	724
0.No									139	230
1.Yes									396	603

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	79	55	51	35	31	14
.M=Oth missing			1			
.N=Not a pension, other						
.R=RF	1	2			1	
.S=Skip	11717	10409	11160	8973	8148	7580
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	272	208	189	122	94	72
1.Yes	415	338	378	228	203	174

RwPTYPF3: Does pension type match detail? #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA									14	26
.J=Web interview, missing										
.M=Oth missing										18
.N=Not a pension, other									2	10
.R=RF									5	5
.S=Skip									17117	21835
0.No									21	34
1.Yes									58	106

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	24	10	8	7	5	2
.J=Web interview, missing						1
.M=Oth missing						
.N=Not a pension, other						
.R=RF	1					
.S=Skip	20390	18630	20824	17083	15671	15732
0.No	51	40	25	19	14	12
1.Yes	88	67	55	37	33	40

SwPTYPF3: Does pension type match detail? #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA									9	19
.M=Oth missing										12
.N=Not a pension, other									2	6
.R=RF									4	4
.S=Skip									10567	13371
.U=Unmarried									6206	7797
.V=Spouse NR									365	724
0.No									18	25
1.Yes									46	76

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	20	6	7	6	4	2
.M=Oth missing						
.N=Not a pension, other						
.R=RF						
.S=Skip	12361	10924	11711	9313	8442	7810
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	35	32	19	13	8	9
1.Yes	68	50	42	26	23	19

RwPTYPF4: Does pension type match detail? #4

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA									4	7
.M=Oth missing										7
.N=Not a pension, other										3
.R=RF										1
.S=Skip									17208	22007
0.No									3	2
1.Yes									2	7

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	3	2				
.M=Oth missing						
.N=Not a pension, other						
.R=RF						
.S=Skip	20538	18735	20905	17137	15723	15784
0.No	4	4	3	3		1
1.Yes	9	6	4	6		2

SwPTYPF4: Does pension type match detail? #4

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA									4	3
.M=Oth missing										5
.N=Not a pension, other										3
.R=RF										1
.S=Skip									10638	13495
.U=Unmarried									6206	7797
.V=Spouse NR									365	724
0.No									2	1
1.Yes									2	5

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	2	1				
.M=Oth missing						
.N=Not a pension, other						
.R=RF						
.S=Skip	12473	11004	11775	9351	8477	7839
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	2	2	1	1		
1.Yes	7	5	3	6	1	

Format Reference Tables – complete variable value labels

Variables: PTYPD1, PTYPD2, PTYPD3, PTYPD4

.D=DK
.J=Web interview, missing
.M=Oth missing
.O=Other (Specify)
.Q=Not asked this wv
.R=RF
.S=No pen
.U=Umarried
.V=Spouse NR
.W=Not working
1.401k plan
2.Supplemental retirement acc
3.Defined benefit plan
4.Defined contribution plan
5.401a plan
6.403b plan
7.457 plan
8.Thrift/savings plan (TSP)
9.Profit-sharing plan
10.Employee stock ownership
11.Money purchase plan
12.Portable cash option plan
13.Employee stock purchase
14.SEP or SIMPLE plan
15.Combination plan
16.Cash balance plan
95.IRA/Keogh
96.Not pension, health plan mentioned

How Constructed

RwPTYPD1, RwPTYPD2, RwPTYPD3 and RwPTYPD4 indicate the detailed types of pension plans in which the Respondent is included for the current job. This is a new question starting in Wave 9. SwPTYPD1, SwPTYPD2, SwPTYPD3 and SwPTYPD4 provide this information for the Respondent's spouse or partner.

From Wave 9 forward, if the Respondent is included in a pension in their current job then they are asked what their employer calls the plan. The Respondent may identify the plan type from a list of different plans such as 401K or 403B. In Wave 9, two new codes were added: "IRA/Keogh" (95) and "health savings account/medical plan/flexible spending account/disability mentioned" (96). RwPTYPD1-4 is recoded from these two codes to "96:Not a pension." In Wave 10, code 95 was dropped and code 96 was simplified to "Not a pension." In Wave 11, the pension questionnaire changed, but the Respondent is still asked what type of pension they have, so the response remains the same.

RwPTYPD1, RwPTYPD2, RwPTYPD3 and RwPTYPD4 are set to the type of pensions that the Respondent reports. The plan type is simply recoded for missing values. It is set to .S if the question is skipped because the Respondent does not have the pension, e.g., if the Respondent has one pension, RwPTYP2 to RwPTYP3 (or RwPTYP4 from Wave 5 on) are set to .S. They are also set to .S if the Respondent does not have a pension on the current job, did not provide a number of pensions, or is not working.

From Wave 9 forward, there are two RAND HRS pension type variables: RwPTYP1-4 indicates if a plan is DB, DC, Both, or Not a Pension and RwPTYPD1-4 indicates what the Respondent's employer calls their plan. The flags RwPTYPF1, RwPTYPF2, RwPTYPF3 and RwPTYPF4 provide a crosswalk between the two plan type variables. They indicate whether the Respondent's responses in RwPTYP1-4 match those in RwPTYPD1-4.

RwPTYPF1-4 = 1 if the Respondent can correctly identify a DB and DC plan from the employer list.

RwPTYPF1-4 = 0 if the Respondent cannot identify a DB and DC plan from the employer list.

RwPTYPF1-4 = .S if the Respondent does not report a pension.

RwPTYPF1-4 = .R if the Respondent refused to answer both RwPTYP1 and RwPTYPD1.

RwPTYPF1-4 = .N if the Respondent reports "Not a pension" in RwPTYPD1-4.

RwPTYPF1-4 = .D if both RwPTYPx and RwPTYPDx report DK or if RwPTYPDx is reported as '.O Other.' As we do not have information on what the 'Other' plan is, we cannot say if the Respondent has correctly identified it as DB or DC.

SwPTYPD1-4 and SwPTYPF1-4 information is taken from the spouse's self-reported RwPTYPD1-4 and RwPTYPF1-4 variables, if available. If the Respondent is not married, SwPTYPD1-4 and SwPTYPF1-4 are set to .U=unmarried. If the Respondent's spouse did not respond, then SwPTYPD1-4 and SwPTYPF1-4 are set to .V=Spouse is non-response.

Cross Wave Differences in Original HRS Data

From Wave 9 forward, the question asks about pension plans associated with the Respondent's current job.

If the Respondent reports having one or more pension plans from the current job, the number of pensions is ascertained and the Respondent is asked "What does your employer call your plan?" This detailed type of pension is requested for up to four pensions. If the Respondent has multiple plans of different types, the most important plan is recorded rather than combining them as "Combination Plan."

Prior to Wave 11, the Respondent was asked to list their pensions in order of importance. From Wave 11 forward, due to the questionnaire change, the Respondent answers questions about all their pensions, with no regard to importance.

The Respondent is also asked "Is your plan Type A or Type B?" The response may be Type A, Type B, or both. RwPTYPF1-4 tells us if the Respondent correctly identifies the employer plan name as DB, DC or both.

HRS Variables Used

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HRS 2008-2010:
    xJ338_1         PENSION PLAN TYPE- 1
    xJ338_2         PENSION PLAN TYPE- 2
    xJ338_3         PENSION PLAN TYPE- 3
    xJ338_4         PENSION PLAN TYPE- 4
    xJ393_1         CERTAINTY ABOUT THE PLAN NAME-BRIEF -1
    xJ393_2         CERTAINTY ABOUT THE PLAN NAME-BRIEF -2
    xJ393_3         CERTAINTY ABOUT THE PLAN NAME-BRIEF -3
    xJ393_4         CERTAINTY ABOUT THE PLAN NAME-BRIEF -4
HRS 2012-2018:
    xJ2338_10       PENSION PLAN TYPE-DB OR DC -1_10
    xJ2W407_10      TYPE -1_10
HRS 2012-2022:
    xJ2338_1        PENSION PLAN TYPE-DB OR DC -1_1
    xJ2338_2        PENSION PLAN TYPE-DB OR DC -1_2
    xJ2338_3        PENSION PLAN TYPE-DB OR DC -1_3
    xJ2338_4        PENSION PLAN TYPE-DB OR DC -1_4
    xJ2338_5        PENSION PLAN TYPE-DB OR DC -1_5
    xJ2338_6        PENSION PLAN TYPE-DB OR DC -1_6
    xJ2338_7        PENSION PLAN TYPE-DB OR DC -1_7
    xJ2338_8        PENSION PLAN TYPE-DB OR DC -1_8
    xJ2338_9        PENSION PLAN TYPE-DB OR DC -1_9
    xJ2W407_1       TYPE -1_1
    xJ2W407_2       TYPE -1_2
    xJ2W407_3       TYPE -1_3
    xJ2W407_4       TYPE -1_4
    xJ2W407_5       TYPE -1_5
    xJ2W407_6       TYPE -1_6
    xJ2W407_7       TYPE -1_7
    xJ2W407_8       TYPE -1_8
    xJ2W407_9       TYPE -1_9
HRS 2014-2018:
    xJ2Z140_10      PREV WAVE OLD PENSION TYPE_10
HRS 2014-2022:
    xJ2Z140_1       PREV WAVE OLD PENSION TYPE_1
    xJ2Z140_2       PREV WAVE OLD PENSION TYPE_2
    xJ2Z140_3       PREV WAVE OLD PENSION TYPE_3
    xJ2Z140_4       PREV WAVE OLD PENSION TYPE_4
    xJ2Z140_5       PREV WAVE OLD PENSION TYPE_5
    xJ2Z140_6       PREV WAVE OLD PENSION TYPE_6
    xJ2Z140_7       PREV WAVE OLD PENSION TYPE_7
    xJ2Z140_8       PREV WAVE OLD PENSION TYPE_8
    xJ2Z140_9       PREV WAVE OLD PENSION TYPE_9
```

Respondent's annual contribution to DC plan from current job

Wave	Variable	Label	Type
1	R1DCCONT1	R1DCCONT1:W1 Employee contribution to DC plan #1	Cont
2	R2DCCONT1	R2DCCONT1:W2 Employee contribution to DC plan #1	Cont
3	R3DCCONT1	R3DCCONT1:W3 Employee contribution to DC plan #1	Cont
4	R4DCCONT1	R4DCCONT1:W4 Employee contribution to DC plan #1	Cont
5	R5DCCONT1	R5DCCONT1:W5 Employee contribution to DC plan #1	Cont
6	R6DCCONT1	R6DCCONT1:W6 Employee contribution to DC plan #1	Cont
7	R7DCCONT1	R7DCCONT1:W7 Employee contribution to DC plan #1	Cont
8	R8DCCONT1	R8DCCONT1:W8 Employee contribution to DC plan #1	Cont
9	R9DCCONT1	R9DCCONT1:W9 Employee contribution to DC plan #1	Cont
10	R10DCCONT1	R10DCCONT1:W10 Employee contribution to DC plan #1	Cont
11	R11DCCONT1	R11DCCONT1:W11 Employee contribution to DC plan #1	Cont
12	R12DCCONT1	R12DCCONT1:W12 Employee contribution to DC plan #1	Cont
13	R13DCCONT1	R13DCCONT1:W13 Employee contribution to DC plan #1	Cont
14	R14DCCONT1	R14DCCONT1:W14 Employee contribution to DC plan #1	Cont
15	R15DCCONT1	R15DCCONT1:W15 Employee contribution to DC plan #1	Cont
16	R16DCCONT1	R16DCCONT1:W16 Employee contribution to DC plan #1	Cont
1	S1DCCONT1	S1DCCONT1:W1 Employee contribution to DC plan #1	Cont
2	S2DCCONT1	S2DCCONT1:W2 Employee contribution to DC plan #1	Cont
3	S3DCCONT1	S3DCCONT1:W3 Employee contribution to DC plan #1	Cont
4	S4DCCONT1	S4DCCONT1:W4 Employee contribution to DC plan #1	Cont
5	S5DCCONT1	S5DCCONT1:W5 Employee contribution to DC plan #1	Cont
6	S6DCCONT1	S6DCCONT1:W6 Employee contribution to DC plan #1	Cont
7	S7DCCONT1	S7DCCONT1:W7 Employee contribution to DC plan #1	Cont
8	S8DCCONT1	S8DCCONT1:W8 Employee contribution to DC plan #1	Cont
9	S9DCCONT1	S9DCCONT1:W9 Employee contribution to DC plan #1	Cont
10	S10DCCONT1	S10DCCONT1:W10 Employee contribution to DC plan #1	Cont
11	S11DCCONT1	S11DCCONT1:W11 Employee contribution to DC plan #1	Cont
12	S12DCCONT1	S12DCCONT1:W12 Employee contribution to DC plan #1	Cont
13	S13DCCONT1	S13DCCONT1:W13 Employee contribution to DC plan #1	Cont
14	S14DCCONT1	S14DCCONT1:W14 Employee contribution to DC plan #1	Cont
15	S15DCCONT1	S15DCCONT1:W15 Employee contribution to DC plan #1	Cont
16	S16DCCONT1	S16DCCONT1:W16 Employee contribution to DC plan #1	Cont
1	R1DCCONT2	R1DCCONT2:W1 Employee contribution to DC plan #2	Cont
2	R2DCCONT2	R2DCCONT2:W2 Employee contribution to DC plan #2	Cont
3	R3DCCONT2	R3DCCONT2:W3 Employee contribution to DC plan #2	Cont
4	R4DCCONT2	R4DCCONT2:W4 Employee contribution to DC plan #2	Cont
5	R5DCCONT2	R5DCCONT2:W5 Employee contribution to DC plan #2	Cont
6	R6DCCONT2	R6DCCONT2:W6 Employee contribution to DC plan #2	Cont
7	R7DCCONT2	R7DCCONT2:W7 Employee contribution to DC plan #2	Cont
8	R8DCCONT2	R8DCCONT2:W8 Employee contribution to DC plan #2	Cont
9	R9DCCONT2	R9DCCONT2:W9 Employee contribution to DC plan #2	Cont
10	R10DCCONT2	R10DCCONT2:W10 Employee contribution to DC plan #2	Cont
11	R11DCCONT2	R11DCCONT2:W11 Employee contribution to DC plan #2	Cont
12	R12DCCONT2	R12DCCONT2:W12 Employee contribution to DC plan #2	Cont
13	R13DCCONT2	R13DCCONT2:W13 Employee contribution to DC plan #2	Cont
14	R14DCCONT2	R14DCCONT2:W14 Employee contribution to DC plan #2	Cont
15	R15DCCONT2	R15DCCONT2:W15 Employee contribution to DC plan #2	Cont
16	R16DCCONT2	R16DCCONT2:W16 Employee contribution to DC plan #2	Cont
1	S1DCCONT2	S1DCCONT2:W1 Employee contribution to DC plan #2	Cont
2	S2DCCONT2	S2DCCONT2:W2 Employee contribution to DC plan #2	Cont
3	S3DCCONT2	S3DCCONT2:W3 Employee contribution to DC plan #2	Cont
4	S4DCCONT2	S4DCCONT2:W4 Employee contribution to DC plan #2	Cont
5	S5DCCONT2	S5DCCONT2:W5 Employee contribution to DC plan #2	Cont
6	S6DCCONT2	S6DCCONT2:W6 Employee contribution to DC plan #2	Cont
7	S7DCCONT2	S7DCCONT2:W7 Employee contribution to DC plan #2	Cont
8	S8DCCONT2	S8DCCONT2:W8 Employee contribution to DC plan #2	Cont
9	S9DCCONT2	S9DCCONT2:W9 Employee contribution to DC plan #2	Cont
10	S10DCCONT2	S10DCCONT2:W10 Employee contribution to DC plan #2	Cont
11	S11DCCONT2	S11DCCONT2:W11 Employee contribution to DC plan #2	Cont
12	S12DCCONT2	S12DCCONT2:W12 Employee contribution to DC plan #2	Cont
13	S13DCCONT2	S13DCCONT2:W13 Employee contribution to DC plan #2	Cont
14	S14DCCONT2	S14DCCONT2:W14 Employee contribution to DC plan #2	Cont
15	S15DCCONT2	S15DCCONT2:W15 Employee contribution to DC plan #2	Cont

16	S16DCCONT2	S16DCCONT2:W16 Employee contribution to DC plan #2	Cont
1	R1DCCONT3	R1DCCONT3:W1 Employee contribution to DC plan #3	Cont
2	R2DCCONT3	R2DCCONT3:W2 Employee contribution to DC plan #3	Cont
3	R3DCCONT3	R3DCCONT3:W3 Employee contribution to DC plan #3	Cont
4	R4DCCONT3	R4DCCONT3:W4 Employee contribution to DC plan #3	Cont
5	R5DCCONT3	R5DCCONT3:W5 Employee contribution to DC plan #3	Cont
6	R6DCCONT3	R6DCCONT3:W6 Employee contribution to DC plan #3	Cont
7	R7DCCONT3	R7DCCONT3:W7 Employee contribution to DC plan #3	Cont
8	R8DCCONT3	R8DCCONT3:W8 Employee contribution to DC plan #3	Cont
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10	R10DCCONT3	R10DCCONT3:W10 Employee contribution to DC plan #3	Cont
11	R11DCCONT3	R11DCCONT3:W11 Employee contribution to DC plan #3	Cont
12	R12DCCONT3	R12DCCONT3:W12 Employee contribution to DC plan #3	Cont
13	R13DCCONT3	R13DCCONT3:W13 Employee contribution to DC plan #3	Cont
14	R14DCCONT3	R14DCCONT3:W14 Employee contribution to DC plan #3	Cont
15	R15DCCONT3	R15DCCONT3:W15 Employee contribution to DC plan #3	Cont
16	R16DCCONT3	R16DCCONT3:W16 Employee contribution to DC plan #3	Cont
1	S1DCCONT3	S1DCCONT3:W1 Employee contribution to DC plan #3	Cont
2	S2DCCONT3	S2DCCONT3:W2 Employee contribution to DC plan #3	Cont
3	S3DCCONT3	S3DCCONT3:W3 Employee contribution to DC plan #3	Cont
4	S4DCCONT3	S4DCCONT3:W4 Employee contribution to DC plan #3	Cont
5	S5DCCONT3	S5DCCONT3:W5 Employee contribution to DC plan #3	Cont
6	S6DCCONT3	S6DCCONT3:W6 Employee contribution to DC plan #3	Cont
7	S7DCCONT3	S7DCCONT3:W7 Employee contribution to DC plan #3	Cont
8	S8DCCONT3	S8DCCONT3:W8 Employee contribution to DC plan #3	Cont
9	S9DCCONT3	S9DCCONT3:W9 Employee contribution to DC plan #3	Cont
10	S10DCCONT3	S10DCCONT3:W10 Employee contribution to DC plan #3	Cont
11	S11DCCONT3	S11DCCONT3:W11 Employee contribution to DC plan #3	Cont
12	S12DCCONT3	S12DCCONT3:W12 Employee contribution to DC plan #3	Cont
13	S13DCCONT3	S13DCCONT3:W13 Employee contribution to DC plan #3	Cont
14	S14DCCONT3	S14DCCONT3:W14 Employee contribution to DC plan #3	Cont
15	S15DCCONT3	S15DCCONT3:W15 Employee contribution to DC plan #3	Cont
16	S16DCCONT3	S16DCCONT3:W16 Employee contribution to DC plan #3	Cont
5	R5DCCONT4	R5DCCONT4:W5 Employee contribution to DC plan #4	Cont
6	R6DCCONT4	R6DCCONT4:W6 Employee contribution to DC plan #4	Cont
7	R7DCCONT4	R7DCCONT4:W7 Employee contribution to DC plan #4	Cont
8	R8DCCONT4	R8DCCONT4:W8 Employee contribution to DC plan #4	Cont
9	R9DCCONT4	R9DCCONT4:W9 Employee contribution to DC plan #4	Cont
10	R10DCCONT4	R10DCCONT4:W10 Employee contribution to DC plan #4	Cont
11	R11DCCONT4	R11DCCONT4:W11 Employee contribution to DC plan #4	Cont
12	R12DCCONT4	R12DCCONT4:W12 Employee contribution to DC plan #4	Cont
13	R13DCCONT4	R13DCCONT4:W13 Employee contribution to DC plan #4	Cont
14	R14DCCONT4	R14DCCONT4:W14 Employee contribution to DC plan #4	Cont
15	R15DCCONT4	R15DCCONT4:W15 Employee contribution to DC plan #4	Cont
16	R16DCCONT4	R16DCCONT4:W16 Employee contribution to DC plan #4	Cont
5	S5DCCONT4	S5DCCONT4:W5 Employee contribution to DC plan #4	Cont
6	S6DCCONT4	S6DCCONT4:W6 Employee contribution to DC plan #4	Cont
7	S7DCCONT4	S7DCCONT4:W7 Employee contribution to DC plan #4	Cont
8	S8DCCONT4	S8DCCONT4:W8 Employee contribution to DC plan #4	Cont
9	S9DCCONT4	S9DCCONT4:W9 Employee contribution to DC plan #4	Cont
10	S10DCCONT4	S10DCCONT4:W10 Employee contribution to DC plan #4	Cont
11	S11DCCONT4	S11DCCONT4:W11 Employee contribution to DC plan #4	Cont
12	S12DCCONT4	S12DCCONT4:W12 Employee contribution to DC plan #4	Cont
13	S13DCCONT4	S13DCCONT4:W13 Employee contribution to DC plan #4	Cont
14	S14DCCONT4	S14DCCONT4:W14 Employee contribution to DC plan #4	Cont
15	S15DCCONT4	S15DCCONT4:W15 Employee contribution to DC plan #4	Cont
16	S16DCCONT4	S16DCCONT4:W16 Employee contribution to DC plan #4	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DCCONT1	1420	2210.33	8631.86	0.0	237500.0

R2DCCONT1	420	2667.67	9721.95	0.0	150000.0
R3DCCONT1	467	2142.12	3918.74	0.0	65000.0
R4DCCONT1	930	2921.36	3960.35	0.0	32500.0
R5DCCONT1	598	3666.28	15897.11	0.0	287040.0
R6DCCONT1	1199	3803.85	13446.37	0.0	396000.0
R7DCCONT1	1754	3785.44	8255.22	0.0	148956.0
R8DCCONT1	1412	3948.44	6070.11	0.0	54600.0
R9DCCONT1	1301	4813.82	6988.76	0.0	67500.0
R10DCCONT1	1966	5172.94	15399.02	0.0	572000.0
R11DCCONT1	1795	4103.06	6249.93	0.0	62400.0
R12DCCONT1	1772	4904.67	18604.55	0.0	733200.0
R13DCCONT1	2156	4894.37	8294.86	0.0	171500.0
R14DCCONT1	1730	5604.02	14112.77	0.0	288000.0
R15DCCONT1	1518	5833.24	13044.88	0.0	386100.0
R16DCCONT1	1460	11001.30	124868.26	0.0	4680000.0
S1DCCONT1	1117	2158.81	7986.29	0.0	237500.0
S2DCCONT1	329	2776.55	10250.47	0.0	150000.0
S3DCCONT1	361	2290.42	4288.13	0.0	65000.0
S4DCCONT1	723	3062.73	3980.10	0.0	32500.0
S5DCCONT1	441	4209.64	18419.32	0.0	287040.0
S6DCCONT1	909	3807.99	8094.57	0.0	156000.0
S7DCCONT1	1335	4178.99	9213.73	0.0	148956.0
S8DCCONT1	1073	4164.89	6322.37	0.0	54600.0
S9DCCONT1	1007	4973.78	7039.05	0.0	67500.0
S10DCCONT1	1408	5421.12	16662.08	0.0	572000.0
S11DCCONT1	1326	4360.33	6473.00	0.0	62400.0
S12DCCONT1	1293	5264.02	21436.27	0.0	733200.0
S13DCCONT1	1460	5103.85	9228.61	0.0	171500.0
S14DCCONT1	1131	6260.69	16814.33	0.0	288000.0
S15DCCONT1	952	6316.92	14568.26	0.0	386100.0
S16DCCONT1	830	13842.44	163806.28	0.0	4680000.0
R1DCCONT2	922	3220.59	7594.47	0.0	149552.0
R2DCCONT2	104	3287.22	6969.19	0.0	55800.0
R3DCCONT2	126	2970.64	6361.14	0.0	65000.0
R4DCCONT2	358	3082.41	3777.78	0.0	35400.0
R5DCCONT2	137	2589.89	3021.28	0.0	14560.0
R6DCCONT2	306	6188.85	24510.85	0.0	396000.0
R7DCCONT2	660	4101.00	7494.21	0.0	105000.0
R8DCCONT2	362	4157.63	5578.70	0.0	35000.0
R9DCCONT2	436	5500.79	18306.54	0.0	356400.0
R10DCCONT2	712	5054.31	8173.61	0.0	130000.0
R11DCCONT2	463	4612.21	6331.21	0.0	46153.8
R12DCCONT2	450	5204.10	6443.73	0.0	30000.0
R13DCCONT2	461	6197.06	19998.41	0.0	408000.0
R14DCCONT2	281	6870.99	16031.11	0.0	249230.8
R15DCCONT2	271	8761.34	32383.45	0.0	520000.0
R16DCCONT2	244	13027.04	61142.06	0.0	676000.0
S1DCCONT2	747	3320.77	8319.75	0.0	149552.0
S2DCCONT2	86	3097.94	6431.59	0.0	55800.0
S3DCCONT2	105	3255.25	6890.82	0.0	65000.0
S4DCCONT2	287	3124.95	3765.03	0.0	35400.0
S5DCCONT2	102	2583.18	2831.88	0.0	12200.0
S6DCCONT2	234	5066.92	8954.93	0.0	90000.0
S7DCCONT2	505	4512.61	8314.21	0.0	105000.0
S8DCCONT2	270	4650.77	5978.87	0.0	35000.0
S9DCCONT2	339	5853.86	20472.59	0.0	356400.0

S10DCCONT2	518	4993.52	6464.17	0.0	48000.0
S11DCCONT2	340	4836.46	6701.18	0.0	46153.8
S12DCCONT2	330	5668.84	6800.01	0.0	30000.0
S13DCCONT2	327	5756.68	6624.88	0.0	40000.0
S14DCCONT2	182	6621.64	7319.59	0.0	37500.0
S15DCCONT2	170	10206.69	40373.64	0.0	520000.0
S16DCCONT2	139	13004.16	57534.97	0.0	676000.0
R1DCCONT3	98	2384.29	2574.55	0.0	11200.0
R2DCCONT3	22	2115.05	3244.74	0.0	10000.0
R3DCCONT3	19	1592.82	2808.46	0.0	9400.0
R4DCCONT3	46	3356.76	11421.44	0.0	76076.0
R5DCCONT3	22	1041.19	2603.65	0.0	12200.0
R6DCCONT3	28	2136.98	3106.26	0.0	10800.0
R7DCCONT3	86	3795.63	6389.99	0.0	42000.0
R8DCCONT3	31	3322.12	4851.87	0.0	20000.0
R9DCCONT3	52	3628.15	5939.26	0.0	20000.0
R10DCCONT3	93	3964.34	8382.90	0.0	56160.0
R11DCCONT3	71	4780.62	7394.46	0.0	31500.0
R12DCCONT3	74	3910.33	4903.54	0.0	19200.0
R13DCCONT3	57	7021.91	10330.15	0.0	60000.0
R14DCCONT3	29	4874.50	7127.85	0.0	24076.0
R15DCCONT3	23	9807.27	14806.49	0.0	60000.0
R16DCCONT3	32	11880.99	12384.43	0.0	40384.6
S1DCCONT3	76	2356.64	2528.14	0.0	11200.0
S2DCCONT3	19	1835.11	2913.16	0.0	7956.0
S3DCCONT3	17	1734.33	2941.47	0.0	9400.0
S4DCCONT3	39	3901.31	12347.01	0.0	76076.0
S5DCCONT3	16	1129.92	3031.33	0.0	12200.0
S6DCCONT3	23	2199.17	3123.76	0.0	10800.0
S7DCCONT3	67	3855.88	6813.94	0.0	42000.0
S8DCCONT3	28	2888.77	4579.66	0.0	20000.0
S9DCCONT3	41	3387.03	5459.92	0.0	20000.0
S10DCCONT3	68	4281.26	9373.00	0.0	56160.0
S11DCCONT3	57	4928.29	7053.55	0.0	30000.0
S12DCCONT3	53	4101.32	5159.02	0.0	19200.0
S13DCCONT3	45	8036.24	11323.70	0.0	60000.0
S14DCCONT3	18	4346.11	6436.77	0.0	23000.0
S15DCCONT3	17	9647.51	15100.42	0.0	60000.0
S16DCCONT3	17	12932.31	12286.25	0.0	40000.0
R5DCCONT4	3	5596.15	5968.06	588.5	12200.0
R6DCCONT4	3	4680.00	8106.00	0.0	14040.0
R7DCCONT4	15	2000.43	3310.27	0.0	11520.0
R8DCCONT4	1	20000.00		20000.0	20000.0
R9DCCONT4	5	9874.06	20218.31	0.0	46000.0
R10DCCONT4	7	7324.40	16814.56	0.0	45230.8
R11DCCONT4	7	5567.51	10036.47	0.0	27450.0
R12DCCONT4	6	1123.60	2104.73	0.0	5241.6
R13DCCONT4	3	9666.67	12662.28	0.0	24000.0
R14DCCONT4	4	14287.69	12642.78	0.0	25600.0
R16DCCONT4	2	0.00	0.00	0.0	0.0
S5DCCONT4	3	5596.15	5968.06	588.5	12200.0
S6DCCONT4	3	4680.00	8106.00	0.0	14040.0
S7DCCONT4	14	1643.31	3121.01	0.0	11520.0
S8DCCONT4	1	20000.00		20000.0	20000.0
S9DCCONT4	4	12295.00	22493.72	0.0	46000.0

S10DCCONT4	5	10046.15	19787.60	0.0	45230.8
S11DCCONT4	6	6221.15	10829.95	0.0	27450.0
S12DCCONT4	5	300.00	670.82	0.0	1500.0
S13DCCONT4	2	14500.00	13435.03	5000.0	24000.0
S14DCCONT4	4	14287.69	12642.78	0.0	25600.0
S16DCCONT4	1	0.00		0.0	0.0

How Constructed

RwDCCONT1, RwDCCONT2, RwDCCONT3 and RwDCCONT4 indicate the amount in nominal dollars that the Respondent contributes annually to a defined contribution pension plan at their current, primary job. Before Wave 5, employee contributions may be reported for up to 3 plans. From Wave 5 through Wave 10, employee contributions may be reported for up to 4 plans. From Wave 11 forward, Respondents may report information on up to 10 plans, but we are limiting the RAND HRS Longitudinal File to the first four active plans as they appear in the data, to align with previous waves. SwDCCONT1, SwDCCONT2, SwDCCONT3 and SwDCCONT4 provide this information for the Respondent's spouse or partner.

If the Respondent is working for the same employer as in the previous wave and was previously included in a pension plan, then they are asked if the rules of the pension plan have changed. If the Respondent indicates that the rules have changed, they are asked the complete set of questions about newly reported pensions. Prior to Wave 6, if the rules have not changed, Respondents are not asked how much they contribute to the plan, and these responses are set to .Q. Beginning in Wave 6, all Respondents are asked how much they contribute to each defined contribution plan.

If the Respondent is included in a pension in their current job, then they are asked for the type of plan. In Waves 1-8 and Wave 11 forward, employee contributions are calculated for Respondents who indicate a plan type of Type B or both. In Waves 9-10, dollar amounts are calculated for Respondents who either a) consistently identify a defined contribution plan through the plan type (i.e., Type B or both) and the detailed plan name (e.g., 401K, 403b, etc.) or b) indicate a plan type of Type B or both and have a high level of confidence in their plan type selection. In all Waves, Respondents who indicate a plan type of Type A (defined benefit), or who do not know or refuse to disclose the plan type, are set to .B.

In all Waves, Respondents have the option to report employee contributions as a percentage of their annual wages or as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are annualized. If the Respondent reports contributions as a percentage, annual contributions are calculated by multiplying the reported percent by the Respondent's annual wages from their current, primary job. If the Respondent reports contributions as a fixed dollar amount per time period, annual contributions are calculated based on the hours and weeks the Respondent reports working for their current, primary job.

If the amount contributed is missing, the variables are recoded. RwDCCONTx is set to .Q for defined contribution plans if the questions are not asked of any Respondent in a given wave (e.g., Respondents to Wave 2A or Respondents with plans with no rule changes in Waves 2H-5). If the Respondent does not have a given pension plan, the variables are set to .S (e.g., if the Respondent has one pension, RwDCCONT2, RwDCCONT3, and from Wave 5 on, RwDCCONT4 equal .S). RwDCCONTx is also set to .S if the Respondent does not have a pension plan associated with the current job, or does not provide a number of pension plans in waves prior to 11. RwDCCONTx is set to .W if the Respondent is not working, and to .K if one of the following is missing: wage information, the amount period, hours worked or weeks worked on primary job.

Cross Wave Differences in Original HRS Data

In Waves 1-8 and Wave 11 forward, employee contributions to a defined contribution plan are calculated for Respondents who indicate a plan type equal to Type B or Both. In Waves 9 and 10, DC plans are defined in one of two ways: a) plans that are consistently identified as DC through the plan type (i.e., Type B or both) and the detailed plan name (e.g., 401K, 403b, etc.) or b) plans with a type of Type B or Both where Respondents have a high level of confidence in their plan type selection.

The wording of the employee contribution question varies slightly across waves and in some cases, by plan type. In Waves 1, 2H, 3A and 3H, all Respondents are asked, "How much do you contribute (as a percent of your pay or amount of money per month

or year)?" This wording is also used for Respondents in Wave 4 who indicate that they have a newly reported plan with a plan type of both.

In Waves 4-8, for Respondents who indicate a newly reported Type B plan, or who in Waves 6 and 8 indicate a previously reported plan, the question is worded as follows, "How much do you currently contribute, that is, what is the sum of any amount that you are required to contribute plus any amount that you voluntarily contribute?"

For newly reported plans with a plan type of both in Waves 5-8, the question is worded as, "How much do you currently contribute, either as a percent of your pay or as an amount of money per month or year?"

Beginning in Wave 9, two separate questions are asked of the Respondent about each plan. The first asks, "Do you make any contributions toward [that plan/(plan name)]?" The second has the same wording as those for newly reported plans in Waves 5-8.

In Waves 2H and 3A, the questions are asked separately for those employed by a firm and those that are self-employed. The question wording is the same in both places.

In Wave 3A, Respondents who work at a firm are asked to report on employee contributions to up to three plans. The self-employed are asked to report on only one plan.

In Waves 2H, 3A, 3H, 4 and 5, employee contribution questions are not asked of those who are with the same employer and who reported having a pension plan at the previous wave where the rules have not changed. The variables for these Respondents are set to .Q.

The questions are not asked in Wave 2A.

Beginning in Wave 5, a fourth plan is added if the Respondent reports having at least four plans.

Prior to Wave 11, the Respondent is asked to list their pensions in order of importance. From Wave 11 forward, due to the questionnaire change, the Respondent answers questions about all pension plans, with no regard to importance. We report employee contributions for up to the first four active plans in the data to remain consistent with earlier waves.

HRS Variables Used

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HRS 1992:
    V2909           F39:P1-TYPE OF PLAN
    V2911           F41:P1-  ADD TO ACCT
    V2912           F41:P1-$ ADD TO ACCT
    V2913           F41:P1-ADD TO ACCT-FREQ
    V2937           F57:TB/P1:  YOU CONTRIB
    V2938           F57:TB/P1:$ YOU CONTRIB
    V2939           F57:TB/P1:FREQ YOU CONTR
    V3009           F39:P2-TYPE OF PLAN
    V3011           F41:P2-  ADD TO ACCT
    V3012           F41:P2-$ ADD TO ACCT
    V3013           F41:P2-ADD TO ACCT-FREQ
    V3037           F57:TB/P2:  YOU CONTRIB
    V3038           F57:TB/P2:$ YOU CONTRIB
    V3039           F57:TB/P2:FREQ YOU CONTR
    V3109           F39:P3-TYPE OF PLAN
    V3111           F41:P3-  ADD TO ACCT
    V3112           F41:P3-$ ADD TO ACCT
    V3113           F41:P3-ADD TO ACCT-FREQ
    V3137           F57:TB/P3:  YOU CONTRIB
    V3138           F57:TB/P3:$ YOU CONTRIB
    V3139           F57:TB/P3:FREQ YOU CONTR
HRS 1994:
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W3712	1. FA65.TYPE OF PENSION
W3724	2. FA65.TYPE OF PENSION
W3736	3. FA65.TYPE OF PENSION
W3756	1. FA73.TYPE OF PENSION
W3758	1. FA75.FORM OF CONTRIBU
W3759	1. FA75a.% OF PAY
W3760	1. FA75b.AMOUNT OF CONTR
W3761	1. FA75c.AMOUNT PER TIME
W3793	1. FA91.AMOUNT OF OWN CO
W3794	1. FA91a.OWN CONTRIBUTIO
W3795	1. FA91b.OWN CONTRIBUTIO
W3796	1. FA91c.OWN CONTRIBUTIO
W3808	2. FA73.TYPE OF PENSION
W3810	2. FA75.FORM OF CONTRIBU
W3811	2. FA75a.% OF PAY
W3812	2. FA75b.AMOUNT CONTRIBU
W3813	2. FA75c.AMOUNT PER TIME
W3845	2. FA91.FORM OF OWN CONT
W3846	2. FA91a.OWN CONTRIBUTIO
W3847	2. FA91b.OWN CONTRIBUTIO
W3848	2. FA91c.OWN CONTRIBUTIO
W3860	3. FA73.TYPE OF PENSION
W3862	3. FA75.FORM OF CONTRIBU
W3863	3. FA75a.% OF PAY
W3864	3. FA75b.AMOUNT OF CONTR
W3865	3. FA75c.AMOUNT PER TIME
W3897	3. FA91.FORM OF OWN CONT
W3898	3. FA91a.OWN CONTRIBUTIO
W3899	3. FA91b.OWN CONTRIBUTIO
W3900	3. FA91c.OWN CONTRIBUTIO
W4378	1. FB29.TYPE OF RETIREME
W4390	2. FB29.TYPE OF RETIREME
W4402	3. FB29.TYPE OF RETIREME
W4415	1. FB37.TYPE OF PENSION
W4417	1. FB39.FORM OF OWN CONT
W4418	1. FB39a.OWN CONTRIBUTIO
W4419	1. FB39b.OWN CONTRIBUTIO
W4420	1. FB39c.OWN CONTRIBUTIO
W4447	1. FB53.# OF YEARS IN PL
W4452	1. FB55.FORM OF RS CONTR
W4453	1. FB55a.% OF PAY
W4454	1. FB55b.AMOUNT OF RS CO
W4455	1. FB55c.AMOUNT OF RS CO
W4467	2. FB37.TYPE OF PENSION
W4469	2. FB39.TYPE OF CONTRIBU
W4470	2. FB39a.% OF PAY CONTRI
W4504	2. FB55.FORM OF RS CONTR
W4505	2. FB55a.% OF PAY
W4506	2. FB55b.AMOUNT OF RS CO
W4507	2. FB55c.AMOUNT OF RS CO
W4519	3. FB37.TYPE OF PENSION
W4520	3. FB38.AMOUNT IN ACCOUN
W4522	3. FB39a.% OF PAY CONTRI
W4523	3. FB39b.AMOUNT CURRENTL
W4524	3. FB39c.AMOUNT CURRENTL
W4556	3. FB55.FORM OF RS CONTR
W4557	3. FB55a.% OF PAY
W4558	3. FB55b.AMOUNT OF RS CO
W4559	3. FB55c.AMOUNT OF RS CO

AHEAD 1995:

D2928	GA63.PENSION RULES CHANGED
D2969_1	GA73. TYPE PENSION
D2969_2	GA73. TYPE PENSION
D2969_3	GA73. TYPE PENSION
D2971_1	GA75. AMOUNT R CONTRIBUTES
D2971_2	GA75. AMOUNT R CONTRIBUTES
D2971_3	GA75. AMOUNT R CONTRIBUTES
D2972_1	GA75A. PERCENT PAY CONTRIBUTED
D2972_2	GA75A. PERCENT PAY CONTRIBUTED
D2972_3	GA75A. PERCENT PAY CONTRIBUTED
D2973_1	GA75B. AMOUNT DOLLARS CONTRIBUTED
D2973_2	GA75B. AMOUNT DOLLARS CONTRIBUTED
D2973_3	GA75B. AMOUNT DOLLARS CONTRIBUTED
D2974_1	GA75C. AMOUNT CONTRIBUTED PER
D2974_2	GA75C. AMOUNT CONTRIBUTED PER
D2974_3	GA75C. AMOUNT CONTRIBUTED PER
D3031_1	GA91. HOW R CONTRIBUTE DC
D3031_2	GA91. HOW R CONTRIBUTE DC
D3031_3	GA91. HOW R CONTRIBUTE DC
D3032_1	GA91A. R CONTRIBUTE PERCENT PAY
D3032_2	GA91A. R CONTRIBUTE PERCENT PAY
D3032_3	GA91A. R CONTRIBUTE PERCENT PAY
D3033_1	GA91B. AMOUNT R CONTRIBUTE DC
D3033_2	GA91B. AMOUNT R CONTRIBUTE DC
D3033_3	GA91B. AMOUNT R CONTRIBUTE DC
D3034_1	GA91C. AMOUNT R CONTRIBUTE PER
D3034_2	GA91C. AMOUNT R CONTRIBUTE PER
D3034_3	GA91C. AMOUNT R CONTRIBUTE PER
D3330_1	GB37. TYPE PENSION
D3332_1	GB39. AMOUNT R CONTRIBUTES
D3333_1	GB39A. PERCENT PAY CONTRIBUTED
D3334_1	GB39B. AMOUNT DOLLARS CONTRIBUTED
D3335_1	GB39C. AMOUNT CONTRIBUTED PER
D3395_1	GB55. HOW R CONTRIBUTE DC
D3396_1	GB55A. R CONTRIBUTE PERCENT PAY
D3397_1	GB55B. AMOUNT R CONTRIBUTE DC
D3398_1	GB55C. AMOUNT R CONTRIBUTE PER

HRS 1996:

E2834	G67_.BRANCHPOINT
E2835	G67.PENSION RULES CHANGED
E2840_1	G69.TYPE OF PENSION
E2840_2	G69.TYPE OF PENSION
E2840_3	G69.TYPE OF PENSION
E2875_1	G77.TYPE OF PENSION
E2875_2	G77.TYPE OF PENSION
E2875_3	G77.TYPE OF PENSION
E2877_1	G79.FORM OF CONTRIBUTION
E2877_2	G79.FORM OF CONTRIBUTION
E2877_3	G79.FORM OF CONTRIBUTION
E2878_1	G79A.CONTRIBUTION-% OF PAY
E2878_2	G79A.CONTRIBUTION-% OF PAY
E2878_3	G79A.CONTRIBUTION-% OF PAY
E2879_1	G79B.CONTRIBUTION-AMOUNT
E2879_2	G79B.CONTRIBUTION-AMOUNT
E2879_3	G79B.CONTRIBUTION-AMOUNT
E2880_1	G79C.CONTRIBUTION-PER
E2880_2	G79C.CONTRIBUTION-PER
E2880_3	G79C.CONTRIBUTION-PER

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    E2936_1         G95.FORM OF OWN CONTRIBUTION
    E2936_2         G95.FORM OF OWN CONTRIBUTION
    E2936_3         G95.FORM OF OWN CONTRIBUTION
    E2937_1         G95A.OWN CONTRIBUTION-%
    E2937_2         G95A.OWN CONTRIBUTION-%
    E2937_3         G95A.OWN CONTRIBUTION-%
    E2938_1         G95B.OWN CONTRIBUTION-AMOUNT
    E2938_2         G95B.OWN CONTRIBUTION-AMOUNT
    E2938_3         G95B.OWN CONTRIBUTION-AMOUNT
    E2939_1         G95C.OWN CONTRIBUTION-PER
    E2939_2         G95C.OWN CONTRIBUTION-PER
    E2939_3         G95C.OWN CONTRIBUTION-PER
HRS 1998:
    F3358           G67 BRANCHPOINT
    F3359           G67.PENSION RULES CHANGED
    F3364_1         G69.TYPE OF PENSION
    F3364_2         G69.TYPE OF PENSION
    F3364_3         G69.TYPE OF PENSION
    F3403_1         G77.TYPE OF PENSION
    F3403_2         G77.TYPE OF PENSION
    F3403_3         G77.TYPE OF PENSION
    F3405_1         G79.FORM OF CONTRIBUTION
    F3405_2         G79.FORM OF CONTRIBUTION
    F3405_3         G79.FORM OF CONTRIBUTION
    F3406_1         G79A.CONTRIBUTION-% OF PAY
    F3406_2         G79A.CONTRIBUTION-% OF PAY
    F3406_3         G79A.CONTRIBUTION-% OF PAY
    F3407_1         G79B.CONTRIBUTION-AMOUNT
    F3407_2         G79B.CONTRIBUTION-AMOUNT
    F3407_3         G79B.CONTRIBUTION-AMOUNT
    F3408_1         G79C.CONTRIBUTION-PER
    F3408_2         G79C.CONTRIBUTION-PER
    F3408_3         G79C.CONTRIBUTION-PER
    F3464_1         G95.FORM OF OWN CONTRIBUTION
    F3464_2         G95.FORM OF OWN CONTRIBUTION
    F3464_3         G95.FORM OF OWN CONTRIBUTION
    F3465_1         G95A.OWN CONTRIBUTION-%
    F3465_2         G95A.OWN CONTRIBUTION-%
    F3465_3         G95A.OWN CONTRIBUTION-%
    F3466_1         G95B.OWN CONTRIBUTION-AMOUNT
    F3466_2         G95B.OWN CONTRIBUTION-AMOUNT
    F3466_3         G95B.OWN CONTRIBUTION-AMOUNT
    F3467_1         G95C.OWN CONTRIBUTION-PER
    F3467_2         G95C.OWN CONTRIBUTION-PER
    F3467_3         G95C.OWN CONTRIBUTION-PER
HRS 2000:
    G3618           G67Y1.G67 BRANCHPOINT
    G3619           G67.PENSION RULES CHANGED
    G3624_1         G69.TYPE OF PENSION
    G3624_2         G69.TYPE OF PENSION
    G3624_3         G69.TYPE OF PENSION
    G3624_4         G69.TYPE OF PENSION
    G3683_1         G77.TYPE OF PENSION
    G3683_2         G77.TYPE OF PENSION
    G3683_3         G77.TYPE OF PENSION
    G3683_4         G77.TYPE OF PENSION
    G3689_1         G79.FORM OF CONTRIBUTION
    G3689_2         G79.FORM OF CONTRIBUTION
    G3689_3         G79.FORM OF CONTRIBUTION
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    G3689_4         G79.FORM OF CONTRIBUTION
    G3690_1         G79A.CONTRIBUTION-PCT OF PAY
    G3690_2         G79A.CONTRIBUTION-PCT OF PAY
    G3690_3         G79A.CONTRIBUTION-PCT OF PAY
    G3690_4         G79A.CONTRIBUTION-PCT OF PAY
    G3691_1         G79B.CONTRIBUTION-AMOUNT
    G3691_2         G79B.CONTRIBUTION-AMOUNT
    G3691_3         G79B.CONTRIBUTION-AMOUNT
    G3691_4         G79B.CONTRIBUTION-AMOUNT
    G3692_1         G79C.CONTRIBUTION-PER
    G3692_2         G79C.CONTRIBUTION-PER
    G3692_3         G79C.CONTRIBUTION-PER
    G3692_4         G79C.CONTRIBUTION-PER
    G3749_1         G95.FORM OF OWN CONTRIBUTION
    G3749_2         G95.FORM OF OWN CONTRIBUTION
    G3749_3         G95.FORM OF OWN CONTRIBUTION
    G3749_4         G95.FORM OF OWN CONTRIBUTION
    G3750_1         G95A.OWN CONTRIBUTION-PCT
    G3750_2         G95A.OWN CONTRIBUTION-PCT
    G3750_3         G95A.OWN CONTRIBUTION-PCT
    G3750_4         G95A.OWN CONTRIBUTION-PCT
    G3751_1         G95B.OWN CONTRIBUTION-AMOUNT
    G3751_2         G95B.OWN CONTRIBUTION-AMOUNT
    G3751_3         G95B.OWN CONTRIBUTION-AMOUNT
    G3751_4         G95B.OWN CONTRIBUTION-AMOUNT
    G3752_1         G95C.OWN CONTRIBUTION-PER
    G3752_2         G95C.OWN CONTRIBUTION-PER
    G3752_3         G95C.OWN CONTRIBUTION-PER
    G3752_4         G95C.OWN CONTRIBUTION-PER
HRS 2002:
    HJ267           J267 BRANCHPOINT
    HJ268           PENSION RULES CHANGED
    HJ272_1         TYPE OF PENSION- 1
    HJ272_2         TYPE OF PENSION- 2
    HJ272_3         TYPE OF PENSION- 3
    HJ272_4         TYPE OF PENSION- 4
    HJ281_1         CURRENTLY CONTRIBUTE- BOTH A/B PART-1
    HJ281_2         CURRENTLY CONTRIBUTE- BOTH A/B PART-2
    HJ281_3         CURRENTLY CONTRIBUTE- BOTH A/B PART-3
    HJ281_4         CURRENTLY CONTRIBUTE- BOTH A/B PART-4
    HJ282_1         CURRENTLY CONTRIB- BOTH A/B PART-PCT-1
    HJ282_2         CURRENTLY CONTRIB- BOTH A/B PART-PCT-2
    HJ282_3         CURRENTLY CONTRIB- BOTH A/B PART-PCT-3
    HJ282_4         CURRENTLY CONTRIB- BOTH A/B PART-PCT-4
    HJ283_1         CURRENTLY CONTRIB- BOTH A/B PART-AMT-1
    HJ283_2         CURRENTLY CONTRIB- BOTH A/B PART-AMT-2
    HJ283_3         CURRENTLY CONTRIB- BOTH A/B PART-AMT-3
    HJ283_4         CURRENTLY CONTRIB- BOTH A/B PART-AMT-4
    HJ284_1         CURRENT CONTRIB-BOTH A/B PART-AMT-PER-1
    HJ284_2         CURREN CONTRIB-BOTH A/B PART-AMT-PER-1
    HJ284_3         CURRENT CONTRIB-BOTH A/B PART-AMT-PER-3
    HJ284_4         CURREN CONTRIB-BOTH A/B PART-AMT-PER-1
    HJ318_1         CURRENTLY CONTRIBUTE-  TYPE B ONLY-1
    HJ318_2         CURRENTLY CONTRIBUTE-  TYPE B ONLY-2
    HJ318_3         CURRENTLY CONTRIBUTE-  TYPE B ONLY-3
    HJ318_4         CURRENTLY CONTRIBUTE-  TYPE B ONLY-4
    HJ319_1         CURRENTLY CONTRIBUTE- B ONLY- PERCENT-1
    HJ319_2         CURRENTLY CONTRIBUTE- B ONLY- PERCENT-2
    HJ319_3         CURRENTLY CONTRIBUTE- B ONLY- PERCENT-3
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HJ319_4	CURRENTLY CONTRIBUTE- B ONLY- PERCENT-4
HJ320_1	AMT CONTRIBUTE- TYPE B ONLY-1
HJ320_2	AMT CONTRIBUTE- TYPE B ONLY-2
HJ320_3	AMT CONTRIBUTE- TYPE B ONLY-3
HJ320_4	AMT CONTRIBUTE- TYPE B ONLY-4
HJ321_1	AMT CONTRIBUTE- TYPE B ONLY- PER-1
HJ321_2	AMT CONTRIBUTE- TYPE B ONLY- PER-2
HJ321_3	AMT CONTRIBUTE- TYPE B ONLY- PER-3
HJ321_4	AMT CONTRIBUTE- TYPE B ONLY- PER-4
HJ338_1	PENSION PLAN TYPE- 1
HJ338_2	PENSION PLAN TYPE- 2
HJ338_3	PENSION PLAN TYPE- 3
HJ338_4	PENSION PLAN TYPE- 4
HJ343_1	FORM OF CONTRIBUTION-1
HJ343_2	FORM OF CONTRIBUTION-2
HJ343_3	FORM OF CONTRIBUTION-3
HJ343_4	FORM OF CONTRIBUTION-4
HJ344_1	CONTRIBUTION-PCT OF PAY-1
HJ344_2	CONTRIBUTION-PCT OF PAY-2
HJ344_3	CONTRIBUTION-PCT OF PAY-3
HJ344_4	CONTRIBUTION-PCT OF PAY-4
HJ345_1	CURRENT AMOUNT OF CONTRIBUTION-1
HJ345_2	CURRENT AMOUNT OF CONTRIBUTION-2
HJ345_3	CURRENT AMOUNT OF CONTRIBUTION-3
HJ345_4	CURRENT AMOUNT OF CONTRIBUTION-4
HJ349_1	CURRENT AMOUNT OF CONTRIBUTION PER-1
HJ349_2	CURRENT AMOUNT OF CONTRIBUTION PER-2
HJ349_3	CURRENT AMOUNT OF CONTRIBUTION PER-3
HJ349_4	CURRENT AMOUNT OF CONTRIBUTION PER-4
HJ404_1	FORM OF OWN CONTRIBUTION-1
HJ404_2	FORM OF OWN CONTRIBUTION-2
HJ404_3	FORM OF OWN CONTRIBUTION-3
HJ404_4	FORM OF OWN CONTRIBUTION-4
HJ405_1	OWN CONTRIBUTION-PCT-1
HJ405_2	OWN CONTRIBUTION-PCT-2
HJ405_3	OWN CONTRIBUTION-PCT-3
HJ405_4	OWN CONTRIBUTION-PCT-4
HJ406_1	OWN CONTRIBUTION-AMOUNT-1
HJ406_2	OWN CONTRIBUTION-AMOUNT-2
HJ406_3	OWN CONTRIBUTION-AMOUNT-3
HJ406_4	OWN CONTRIBUTION-AMOUNT-4
HJ410_1	OWN CONTRIBUTION- AMT- PER-1
HJ410_2	OWN CONTRIBUTION- AMT- PER-2
HJ410_3	OWN CONTRIBUTION- AMT- PER-3
HJ410_4	OWN CONTRIBUTION- AMT- PER-4

HRS 2006:

KJ272A	TYPE OF PENSION- 1 -1
KJ272B	TYPE OF PENSION- 1 -2
KJ272C	TYPE OF PENSION- 1 -3
KJ272D	TYPE OF PENSION- 1 -4
KJ281A	CURRENTLY CONTRIBUTE- TYPE B PART -1
KJ281B	CURRENTLY CONTRIBUTE- TYPE B PART -2
KJ281C	CURRENTLY CONTRIBUTE- TYPE B PART -3
KJ281D	CURRENTLY CONTRIBUTE- TYPE B PART -4
KJ282A	CURRENTLY CONTRIB-TYPE B PART-PERCENT -1
KJ282B	CURRENTLY CONTRIB- TYPE B PART-PERCENT-2
KJ282C	CURRENTLY CONTRIB-TYPE B PART-PERCENT -3
KJ282D	CURRENTLY CONTRIB- TYPE B PART-PERCENT-4
KJ283A	CURRENTLY CONTRIBUTE-TYPE B PART- AMT -1

KJ283B	CURRENTLY CONTRIBUTE-TYPE B PART- AMT -2
KJ283C	CURRENTLY CONTRIBUTE- TYPE B PART- AMT-3
KJ283D	CURRENTLY CONTRIBUTE- TYPE B PART- AMT-4
KJ284A	CURRENTLY CONTRIB-TYPE B PART-AMT-PER -1
KJ284B	CURRENTLY CONTRIB- TYPE B PART-AMT-PER-2
KJ284C	CURRENTLY CONTRIB-TYPE B PART-AMT-PER -3
KJ284D	CURRENTLY CONTRIB- TYPE B PART-AMT-PER-4
KJ318A	CURRENTLY CONTRIBUTE- TYPE B ONLY -1
KJ318B	CURRENTLY CONTRIBUTE- TYPE B ONLY -2
KJ318C	CURRENTLY CONTRIBUTE- TYPE B ONLY -3
KJ318D	CURRENTLY CONTRIBUTE- TYPE B ONLY -4
KJ319A	CURRENTLY CONTRIBUTE- B ONLY- PERCENT -1
KJ319B	CURRENTLY CONTRIBUTE- B ONLY- PERCENT -2
KJ319C	CURRENTLY CONTRIBUTE- B ONLY- PERCENT -3
KJ319D	CURRENTLY CONTRIBUTE- B ONLY- PERCENT -4
KJ320A	AMT CONTRIBUTE- TYPE B ONLY -1
KJ320B	AMT CONTRIBUTE- TYPE B ONLY -2
KJ320C	AMT CONTRIBUTE- TYPE B ONLY -3
KJ320D	AMT CONTRIBUTE- TYPE B ONLY -4
KJ321A	AMT CONTRIBUTE- TYPE B ONLY- PER -1
KJ321B	AMT CONTRIBUTE- TYPE B ONLY- PER -2
KJ321C	AMT CONTRIBUTE- TYPE B ONLY- PER -3
KJ321D	AMT CONTRIBUTE- TYPE B ONLY- PER -4
HRS 2008:	
LJ338_1	PENSION PLAN TYPE- 1
LJ338_2	PENSION PLAN TYPE- 2
LJ338_3	PENSION PLAN TYPE- 3
LJ338_4	PENSION PLAN TYPE- 4
LJ404_1	FORM OF OWN CONTRIBUTION-1
LJ404_2	FORM OF OWN CONTRIBUTION-2
LJ404_3	FORM OF OWN CONTRIBUTION-3
LJ404_4	FORM OF OWN CONTRIBUTION-4
LJ405_1	OWN CONTRIBUTION-PCT-1
LJ405_2	OWN CONTRIBUTION-PCT-2
LJ405_3	OWN CONTRIBUTION-PCT-3
LJ405_4	OWN CONTRIBUTION-PCT-4
LJ406_1	OWN CONTRIBUTION-AMOUNT-1
LJ406_2	OWN CONTRIBUTION-AMOUNT-2
LJ406_3	OWN CONTRIBUTION-AMOUNT-3
LJ406_4	OWN CONTRIBUTION-AMOUNT-4
LJ410_1	OWN CONTRIBUTION- AMT- PER-1
LJ410_2	OWN CONTRIBUTION- AMT- PER-2
LJ410_3	OWN CONTRIBUTION- AMT- PER-3
LJ410_4	OWN CONTRIBUTION- AMT- PER-4
HRS 2010:	
MJ338_1	PENSION PLAN TYPE- 1
MJ338_2	PENSION PLAN TYPE- 2
MJ338_3	PENSION PLAN TYPE- 3
MJ338_4	PENSION PLAN TYPE- 4
MJ404_1	FORM OF OWN CONTRIBUTION-1
MJ404_2	FORM OF OWN CONTRIBUTION-2
MJ404_3	FORM OF OWN CONTRIBUTION-3
MJ404_4	FORM OF OWN CONTRIBUTION-4
MJ405_1	OWN CONTRIBUTION-PCT-1
MJ405_2	OWN CONTRIBUTION-PCT-2
MJ405_3	OWN CONTRIBUTION-PCT-3
MJ405_4	OWN CONTRIBUTION-PCT-4
MJ406_1	OWN CONTRIBUTION-AMOUNT-1
MJ406_2	OWN CONTRIBUTION-AMOUNT-2

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    MJ406_3         OWN CONTRIBUTION-AMOUNT-3
    MJ406_4         OWN CONTRIBUTION-AMOUNT-4
    MJ410_1         OWN CONTRIBUTION- AMT- PER-1
    MJ410_2         OWN CONTRIBUTION- AMT- PER-2
    MJ410_3         OWN CONTRIBUTION- AMT- PER-3
    MJ410_4         OWN CONTRIBUTION- AMT- PER-4
HRS 2004-2006:
    xJ338A          PENSION PLAN TYPE- 1
    xJ338B          PENSION PLAN TYPE- 2
    xJ338C          PENSION PLAN TYPE- 3
    xJ338D          PENSION PLAN TYPE- 4
    xJ343A          FORM OF CONTRIBUTION-1
    xJ343B          FORM OF CONTRIBUTION-2
    xJ343C          FORM OF CONTRIBUTION-3
    xJ343D          FORM OF CONTRIBUTION-4
    xJ344A          CONTRIBUTION-PCT OF PAY-1
    xJ344B          CONTRIBUTION-PCT OF PAY-2
    xJ344C          CONTRIBUTION-PCT OF PAY-3
    xJ344D          CONTRIBUTION-PCT OF PAY-4
    xJ345A          CURRENT AMOUNT OF CONTRIBUTION-1
    xJ345B          CURRENT AMOUNT OF CONTRIBUTION-2
    xJ345C          CURRENT AMOUNT OF CONTRIBUTION-3
    xJ345D          CURRENT AMOUNT OF CONTRIBUTION-4
    xJ349A          CURRENT AMOUNT OF CONTRIBUTION PER-1
    xJ349B          CURRENT AMOUNT OF CONTRIBUTION PER-2
    xJ349C          CURRENT AMOUNT OF CONTRIBUTION PER-3
    xJ349D          CURRENT AMOUNT OF CONTRIBUTION PER-4
    xJ404A          FORM OF OWN CONTRIBUTION-1
    xJ404B          FORM OF OWN CONTRIBUTION-2
    xJ404C          FORM OF OWN CONTRIBUTION-3
    xJ404D          FORM OF OWN CONTRIBUTION-4
    xJ405A          OWN CONTRIBUTION-PCT-1
    xJ405B          OWN CONTRIBUTION-PCT-2
    xJ405C          OWN CONTRIBUTION-PCT-3
    xJ405D          OWN CONTRIBUTION-PCT-4
    xJ406A          OWN CONTRIBUTION-AMOUNT-1
    xJ406B          OWN CONTRIBUTION-AMOUNT-2
    xJ406C          OWN CONTRIBUTION-AMOUNT-3
    xJ406D          OWN CONTRIBUTION-AMOUNT-4
    xJ410A          OWN CONTRIBUTION- AMT- PER-1
    xJ410B          OWN CONTRIBUTION- AMT- PER-2
    xJ410C          OWN CONTRIBUTION- AMT- PER-3
    xJ410D          OWN CONTRIBUTION- AMT- PER-4
HRS 2008-2010:
    xJ393_1         CERTAINTY ABOUT THE PLAN NAME-BRIEF -1
    xJ393_2         CERTAINTY ABOUT THE PLAN NAME-BRIEF -2
    xJ393_3         CERTAINTY ABOUT THE PLAN NAME-BRIEF -3
    xJ393_4         CERTAINTY ABOUT THE PLAN NAME-BRIEF -4
    xJ863_1         CERTAINTY ABOUT TYPE OF PLAN -1
    xJ863_2         CERTAINTY ABOUT TYPE OF PLAN -2
    xJ863_3         CERTAINTY ABOUT TYPE OF PLAN -3
    xJ863_4         CERTAINTY ABOUT TYPE OF PLAN -4
    xJ881_1         IF R CONTRIBUTES -1
    xJ881_2         IF R CONTRIBUTES -2
    xJ881_3         IF R CONTRIBUTES -3
    xJ881_4         IF R CONTRIBUTES -4
HRS 2012-2016:
    xJ2410_1        AMT-OWN CONTRIBUTION - PER -1_1
    xJ2410_10       AMT-OWN CONTRIBUTION - PER -1_10
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    xJ2410_2        AMT-OWN CONTRIBUTION - PER -1_2
    xJ2410_3        AMT-OWN CONTRIBUTION - PER -1_3
    xJ2410_4        AMT-OWN CONTRIBUTION - PER -1_4
    xJ2410_5        AMT-OWN CONTRIBUTION - PER -1_5
    xJ2410_6        AMT-OWN CONTRIBUTION - PER -1_6
    xJ2410_7        AMT-OWN CONTRIBUTION - PER -1_7
    xJ2410_8        AMT-OWN CONTRIBUTION - PER -1_8
    xJ2410_9        AMT-OWN CONTRIBUTION - PER -1_9
HRS 2012-2018:
    xJ2338_10       PENSION PLAN TYPE-DB OR DC -1_10
    xJ2404_10       FORM OF OWN CONTRIBUTION -1_10
    xJ2405_10       PCT-OWN CONTRIBUTION -1_10
    xJ2406_10       AMT-OWN CONTRIBUTION -1_10
    xJ2881_10       R CONTRIBUTE TO PLAN -1_10
HRS 2012-2022:
    xJ2338_1        PENSION PLAN TYPE-DB OR DC -1_1
    xJ2338_2        PENSION PLAN TYPE-DB OR DC -1_2
    xJ2338_3        PENSION PLAN TYPE-DB OR DC -1_3
    xJ2338_4        PENSION PLAN TYPE-DB OR DC -1_4
    xJ2338_5        PENSION PLAN TYPE-DB OR DC -1_5
    xJ2338_6        PENSION PLAN TYPE-DB OR DC -1_6
    xJ2338_7        PENSION PLAN TYPE-DB OR DC -1_7
    xJ2338_8        PENSION PLAN TYPE-DB OR DC -1_8
    xJ2338_9        PENSION PLAN TYPE-DB OR DC -1_9
    xJ2404_1        FORM OF OWN CONTRIBUTION -1_1
    xJ2404_2        FORM OF OWN CONTRIBUTION -1_2
    xJ2404_3        FORM OF OWN CONTRIBUTION -1_3
    xJ2404_4        FORM OF OWN CONTRIBUTION -1_4
    xJ2404_5        FORM OF OWN CONTRIBUTION -1_5
    xJ2404_6        FORM OF OWN CONTRIBUTION -1_6
    xJ2404_7        FORM OF OWN CONTRIBUTION -1_7
    xJ2404_8        FORM OF OWN CONTRIBUTION -1_8
    xJ2404_9        FORM OF OWN CONTRIBUTION -1_9
    xJ2405_1        PCT-OWN CONTRIBUTION -1_1
    xJ2405_2        PCT-OWN CONTRIBUTION -1_2
    xJ2405_3        PCT-OWN CONTRIBUTION -1_3
    xJ2405_4        PCT-OWN CONTRIBUTION -1_4
    xJ2405_5        PCT-OWN CONTRIBUTION -1_5
    xJ2405_6        PCT-OWN CONTRIBUTION -1_6
    xJ2405_7        PCT-OWN CONTRIBUTION -1_7
    xJ2405_8        PCT-OWN CONTRIBUTION -1_8
    xJ2405_9        PCT-OWN CONTRIBUTION -1_9
    xJ2406_1        AMT-OWN CONTRIBUTION -1_1
    xJ2406_2        AMT-OWN CONTRIBUTION -1_2
    xJ2406_3        AMT-OWN CONTRIBUTION -1_3
    xJ2406_4        AMT-OWN CONTRIBUTION -1_4
    xJ2406_5        AMT-OWN CONTRIBUTION -1_5
    xJ2406_6        AMT-OWN CONTRIBUTION -1_6
    xJ2406_7        AMT-OWN CONTRIBUTION -1_7
    xJ2406_8        AMT-OWN CONTRIBUTION -1_8
    xJ2406_9        AMT-OWN CONTRIBUTION -1_9
    xJ2881_1        R CONTRIBUTE TO PLAN -1_1
    xJ2881_2        R CONTRIBUTE TO PLAN -1_2
    xJ2881_3        R CONTRIBUTE TO PLAN -1_3
    xJ2881_4        R CONTRIBUTE TO PLAN -1_4
    xJ2881_5        R CONTRIBUTE TO PLAN -1_5
    xJ2881_6        R CONTRIBUTE TO PLAN -1_6
    xJ2881_7        R CONTRIBUTE TO PLAN -1_7
    xJ2881_8        R CONTRIBUTE TO PLAN -1_8
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    xJ2881_9        R CONTRIBUTE TO PLAN -1_9
HRS 2014-2018:
    xJ2Z140_10      PREV WAVE OLD PENSION TYPE_10
HRS 2014-2022:
    xJ2Z140_1       PREV WAVE OLD PENSION TYPE_1
    xJ2Z140_2       PREV WAVE OLD PENSION TYPE_2
    xJ2Z140_3       PREV WAVE OLD PENSION TYPE_3
    xJ2Z140_4       PREV WAVE OLD PENSION TYPE_4
    xJ2Z140_5       PREV WAVE OLD PENSION TYPE_5
    xJ2Z140_6       PREV WAVE OLD PENSION TYPE_6
    xJ2Z140_7       PREV WAVE OLD PENSION TYPE_7
    xJ2Z140_8       PREV WAVE OLD PENSION TYPE_8
    xJ2Z140_9       PREV WAVE OLD PENSION TYPE_9
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Respondent's account balance for DC plan from current job

Wave	Variable	Label	Type
1	R1DCBAL1	R1DCBAL1:W1 Pension Amt:Current balance of DC plan #1	Cont
2	R2DCBAL1	R2DCBAL1:W2 Pension Amt:Current balance of DC plan #1	Cont
3	R3DCBAL1	R3DCBAL1:W3 Pension Amt:Current balance of DC plan #1	Cont
4	R4DCBAL1	R4DCBAL1:W4 Pension Amt:Current balance of DC plan #1	Cont
5	R5DCBAL1	R5DCBAL1:W5 Pension Amt:Current balance of DC plan #1	Cont
6	R6DCBAL1	R6DCBAL1:W6 Pension Amt:Current balance of DC plan #1	Cont
7	R7DCBAL1	R7DCBAL1:W7 Pension Amt:Current balance of DC plan #1	Cont
8	R8DCBAL1	R8DCBAL1:W8 Pension Amt:Current balance of DC plan #1	Cont
9	R9DCBAL1	R9DCBAL1:W9 Pension Amt:Current balance of DC plan #1	Cont
10	R10DCBAL1	R10DCBAL1:W10 Pension Amt:Current balance of DC plan #1	Cont
11	R11DCBAL1	R11DCBAL1:W11 Pension Amt:Current balance of DC plan #1	Cont
12	R12DCBAL1	R12DCBAL1:W12 Pension Amt:Current balance of DC plan #1	Cont
13	R13DCBAL1	R13DCBAL1:W13 Pension Amt:Current balance of DC plan #1	Cont
14	R14DCBAL1	R14DCBAL1:W14 Pension Amt:Current balance of DC plan #1	Cont
15	R15DCBAL1	R15DCBAL1:W15 Pension Amt:Current balance of DC plan #1	Cont
16	R16DCBAL1	R16DCBAL1:W16 Pension Amt:Current balance of DC plan #1	Cont
1	S1DCBAL1	S1DCBAL1:W1 Pension Amt:Current balance of DC plan #1	Cont
2	S2DCBAL1	S2DCBAL1:W2 Pension Amt:Current balance of DC plan #1	Cont
3	S3DCBAL1	S3DCBAL1:W3 Pension Amt:Current balance of DC plan #1	Cont
4	S4DCBAL1	S4DCBAL1:W4 Pension Amt:Current balance of DC plan #1	Cont
5	S5DCBAL1	S5DCBAL1:W5 Pension Amt:Current balance of DC plan #1	Cont
6	S6DCBAL1	S6DCBAL1:W6 Pension Amt:Current balance of DC plan #1	Cont
7	S7DCBAL1	S7DCBAL1:W7 Pension Amt:Current balance of DC plan #1	Cont
8	S8DCBAL1	S8DCBAL1:W8 Pension Amt:Current balance of DC plan #1	Cont
9	S9DCBAL1	S9DCBAL1:W9 Pension Amt:Current balance of DC plan #1	Cont
10	S10DCBAL1	S10DCBAL1:W10 Pension Amt:Current balance of DC plan #1	Cont
11	S11DCBAL1	S11DCBAL1:W11 Pension Amt:Current balance of DC plan #1	Cont
12	S12DCBAL1	S12DCBAL1:W12 Pension Amt:Current balance of DC plan #1	Cont
13	S13DCBAL1	S13DCBAL1:W13 Pension Amt:Current balance of DC plan #1	Cont
14	S14DCBAL1	S14DCBAL1:W14 Pension Amt:Current balance of DC plan #1	Cont
15	S15DCBAL1	S15DCBAL1:W15 Pension Amt:Current balance of DC plan #1	Cont
16	S16DCBAL1	S16DCBAL1:W16 Pension Amt:Current balance of DC plan #1	Cont
1	R1DCBAL2	R1DCBAL2:W1 Pension Amt:Current balance of DC plan #2	Cont
2	R2DCBAL2	R2DCBAL2:W2 Pension Amt:Current balance of DC plan #2	Cont
3	R3DCBAL2	R3DCBAL2:W3 Pension Amt:Current balance of DC plan #2	Cont
4	R4DCBAL2	R4DCBAL2:W4 Pension Amt:Current balance of DC plan #2	Cont
5	R5DCBAL2	R5DCBAL2:W5 Pension Amt:Current balance of DC plan #2	Cont
6	R6DCBAL2	R6DCBAL2:W6 Pension Amt:Current balance of DC plan #2	Cont
7	R7DCBAL2	R7DCBAL2:W7 Pension Amt:Current balance of DC plan #2	Cont
8	R8DCBAL2	R8DCBAL2:W8 Pension Amt:Current balance of DC plan #2	Cont
9	R9DCBAL2	R9DCBAL2:W9 Pension Amt:Current balance of DC plan #2	Cont
10	R10DCBAL2	R10DCBAL2:W10 Pension Amt:Current balance of DC plan #2	Cont
11	R11DCBAL2	R11DCBAL2:W11 Pension Amt:Current balance of DC plan #2	Cont
12	R12DCBAL2	R12DCBAL2:W12 Pension Amt:Current balance of DC plan #2	Cont
13	R13DCBAL2	R13DCBAL2:W13 Pension Amt:Current balance of DC plan #2	Cont
14	R14DCBAL2	R14DCBAL2:W14 Pension Amt:Current balance of DC plan #2	Cont
15	R15DCBAL2	R15DCBAL2:W15 Pension Amt:Current balance of DC plan #2	Cont
16	R16DCBAL2	R16DCBAL2:W16 Pension Amt:Current balance of DC plan #2	Cont
1	S1DCBAL2	S1DCBAL2:W1 Pension Amt:Current balance of DC plan #2	Cont
2	S2DCBAL2	S2DCBAL2:W2 Pension Amt:Current balance of DC plan #2	Cont
3	S3DCBAL2	S3DCBAL2:W3 Pension Amt:Current balance of DC plan #2	Cont
4	S4DCBAL2	S4DCBAL2:W4 Pension Amt:Current balance of DC plan #2	Cont
5	S5DCBAL2	S5DCBAL2:W5 Pension Amt:Current balance of DC plan #2	Cont
6	S6DCBAL2	S6DCBAL2:W6 Pension Amt:Current balance of DC plan #2	Cont
7	S7DCBAL2	S7DCBAL2:W7 Pension Amt:Current balance of DC plan #2	Cont
8	S8DCBAL2	S8DCBAL2:W8 Pension Amt:Current balance of DC plan #2	Cont
9	S9DCBAL2	S9DCBAL2:W9 Pension Amt:Current balance of DC plan #2	Cont
10	S10DCBAL2	S10DCBAL2:W10 Pension Amt:Current balance of DC plan #2	Cont
11	S11DCBAL2	S11DCBAL2:W11 Pension Amt:Current balance of DC plan #2	Cont
12	S12DCBAL2	S12DCBAL2:W12 Pension Amt:Current balance of DC plan #2	Cont
13	S13DCBAL2	S13DCBAL2:W13 Pension Amt:Current balance of DC plan #2	Cont
14	S14DCBAL2	S14DCBAL2:W14 Pension Amt:Current balance of DC plan #2	Cont
15	S15DCBAL2	S15DCBAL2:W15 Pension Amt:Current balance of DC plan #2	Cont

16	S16DCBAL2	S16DCBAL2:W16 Pension Amt:Current balance of DC plan #2	Cont
1	R1DCBAL3	R1DCBAL3:W1 Pension Amt:Current balance of DC plan #3	Cont
2	R2DCBAL3	R2DCBAL3:W2 Pension Amt:Current balance of DC plan #3	Cont
3	R3DCBAL3	R3DCBAL3:W3 Pension Amt:Current balance of DC plan #3	Cont
4	R4DCBAL3	R4DCBAL3:W4 Pension Amt:Current balance of DC plan #3	Cont
5	R5DCBAL3	R5DCBAL3:W5 Pension Amt:Current balance of DC plan #3	Cont
6	R6DCBAL3	R6DCBAL3:W6 Pension Amt:Current balance of DC plan #3	Cont
7	R7DCBAL3	R7DCBAL3:W7 Pension Amt:Current balance of DC plan #3	Cont
8	R8DCBAL3	R8DCBAL3:W8 Pension Amt:Current balance of DC plan #3	Cont
9	R9DCBAL3	R9DCBAL3:W9 Pension Amt:Current balance of DC plan #3	Cont
10	R10DCBAL3	R10DCBAL3:W10 Pension Amt:Current balance of DC plan #3	Cont
11	R11DCBAL3	R11DCBAL3:W11 Pension Amt:Current balance of DC plan #3	Cont
12	R12DCBAL3	R12DCBAL3:W12 Pension Amt:Current balance of DC plan #3	Cont
13	R13DCBAL3	R13DCBAL3:W13 Pension Amt:Current balance of DC plan #3	Cont
14	R14DCBAL3	R14DCBAL3:W14 Pension Amt:Current balance of DC plan #3	Cont
15	R15DCBAL3	R15DCBAL3:W15 Pension Amt:Current balance of DC plan #3	Cont
16	R16DCBAL3	R16DCBAL3:W16 Pension Amt:Current balance of DC plan #3	Cont
1	S1DCBAL3	S1DCBAL3:W1 Pension Amt:Current balance of DC plan #3	Cont
2	S2DCBAL3	S2DCBAL3:W2 Pension Amt:Current balance of DC plan #3	Cont
3	S3DCBAL3	S3DCBAL3:W3 Pension Amt:Current balance of DC plan #3	Cont
4	S4DCBAL3	S4DCBAL3:W4 Pension Amt:Current balance of DC plan #3	Cont
5	S5DCBAL3	S5DCBAL3:W5 Pension Amt:Current balance of DC plan #3	Cont
6	S6DCBAL3	S6DCBAL3:W6 Pension Amt:Current balance of DC plan #3	Cont
7	S7DCBAL3	S7DCBAL3:W7 Pension Amt:Current balance of DC plan #3	Cont
8	S8DCBAL3	S8DCBAL3:W8 Pension Amt:Current balance of DC plan #3	Cont
9	S9DCBAL3	S9DCBAL3:W9 Pension Amt:Current balance of DC plan #3	Cont
10	S10DCBAL3	S10DCBAL3:W10 Pension Amt:Current balance of DC plan #3	Cont
11	S11DCBAL3	S11DCBAL3:W11 Pension Amt:Current balance of DC plan #3	Cont
12	S12DCBAL3	S12DCBAL3:W12 Pension Amt:Current balance of DC plan #3	Cont
13	S13DCBAL3	S13DCBAL3:W13 Pension Amt:Current balance of DC plan #3	Cont
14	S14DCBAL3	S14DCBAL3:W14 Pension Amt:Current balance of DC plan #3	Cont
15	S15DCBAL3	S15DCBAL3:W15 Pension Amt:Current balance of DC plan #3	Cont
16	S16DCBAL3	S16DCBAL3:W16 Pension Amt:Current balance of DC plan #3	Cont
5	R5DCBAL4	R5DCBAL4:W5 Pension Amt:Current balance of DC plan #4	Cont
6	R6DCBAL4	R6DCBAL4:W6 Pension Amt:Current balance of DC plan #4	Cont
7	R7DCBAL4	R7DCBAL4:W7 Pension Amt:Current balance of DC plan #4	Cont
8	R8DCBAL4	R8DCBAL4:W8 Pension Amt:Current balance of DC plan #4	Cont
9	R9DCBAL4	R9DCBAL4:W9 Pension Amt:Current balance of DC plan #4	Cont
10	R10DCBAL4	R10DCBAL4:W10 Pension Amt:Current balance of DC plan #4	Cont
11	R11DCBAL4	R11DCBAL4:W11 Pension Amt:Current balance of DC plan #4	Cont
12	R12DCBAL4	R12DCBAL4:W12 Pension Amt:Current balance of DC plan #4	Cont
13	R13DCBAL4	R13DCBAL4:W13 Pension Amt:Current balance of DC plan #4	Cont
14	R14DCBAL4	R14DCBAL4:W14 Pension Amt:Current balance of DC plan #4	Cont
15	R15DCBAL4	R15DCBAL4:W15 Pension Amt:Current balance of DC plan #4	Cont
16	R16DCBAL4	R16DCBAL4:W16 Pension Amt:Current balance of DC plan #4	Cont
5	S5DCBAL4	S5DCBAL4:W5 Pension Amt:Current balance of DC plan #4	Cont
6	S6DCBAL4	S6DCBAL4:W6 Pension Amt:Current balance of DC plan #4	Cont
7	S7DCBAL4	S7DCBAL4:W7 Pension Amt:Current balance of DC plan #4	Cont
8	S8DCBAL4	S8DCBAL4:W8 Pension Amt:Current balance of DC plan #4	Cont
9	S9DCBAL4	S9DCBAL4:W9 Pension Amt:Current balance of DC plan #4	Cont
10	S10DCBAL4	S10DCBAL4:W10 Pension Amt:Current balance of DC plan #4	Cont
11	S11DCBAL4	S11DCBAL4:W11 Pension Amt:Current balance of DC plan #4	Cont
12	S12DCBAL4	S12DCBAL4:W12 Pension Amt:Current balance of DC plan #4	Cont
13	S13DCBAL4	S13DCBAL4:W13 Pension Amt:Current balance of DC plan #4	Cont
14	S14DCBAL4	S14DCBAL4:W14 Pension Amt:Current balance of DC plan #4	Cont
15	S15DCBAL4	S15DCBAL4:W15 Pension Amt:Current balance of DC plan #4	Cont
16	S16DCBAL4	S16DCBAL4:W16 Pension Amt:Current balance of DC plan #4	Cont
1	R1FDCBAL1	R1FDCBAL1:W1 ImpFlag: Current balance of DC plan #1	Categ
2	R2FDCBAL1	R2FDCBAL1:W2 ImpFlag: Current balance of DC plan #1	Categ
3	R3FDCBAL1	R3FDCBAL1:W3 ImpFlag: Current balance of DC plan #1	Categ
4	R4FDCBAL1	R4FDCBAL1:W4 ImpFlag: Current balance of DC plan #1	Categ
5	R5FDCBAL1	R5FDCBAL1:W5 ImpFlag: Current balance of DC plan #1	Categ
6	R6FDCBAL1	R6FDCBAL1:W6 ImpFlag: Current balance of DC plan #1	Categ
7	R7FDCBAL1	R7FDCBAL1:W7 ImpFlag: Current balance of DC plan #1	Categ
8	R8FDCBAL1	R8FDCBAL1:W8 ImpFlag: Current balance of DC plan #1	Categ
9	R9FDCBAL1	R9FDCBAL1:W9 ImpFlag: Current balance of DC plan #1	Categ
10	R10FDCBAL1	R10FDCBAL1:W10 ImpFlag: Current balance of DC plan #1	Categ

11	R11FDCBAL1	R11FDCBAL1:W11 ImpFlag: Current balance of DC plan #1	Categ
12	R12FDCBAL1	R12FDCBAL1:W12 ImpFlag: Current balance of DC plan #1	Categ
13	R13FDCBAL1	R13FDCBAL1:W13 ImpFlag: Current balance of DC plan #1	Categ
14	R14FDCBAL1	R14FDCBAL1:W14 ImpFlag: Current balance of DC plan #1	Categ
15	R15FDCBAL1	R15FDCBAL1:W15 ImpFlag: Current balance of DC plan #1	Categ
16	R16FDCBAL1	R16FDCBAL1:W16 ImpFlag: Current balance of DC plan #1	Categ

1	S1FDCBAL1	S1FDCBAL1:W1 ImpFlag: Current balance of DC plan #1	Categ
2	S2FDCBAL1	S2FDCBAL1:W2 ImpFlag: Current balance of DC plan #1	Categ
3	S3FDCBAL1	S3FDCBAL1:W3 ImpFlag: Current balance of DC plan #1	Categ
4	S4FDCBAL1	S4FDCBAL1:W4 ImpFlag: Current balance of DC plan #1	Categ
5	S5FDCBAL1	S5FDCBAL1:W5 ImpFlag: Current balance of DC plan #1	Categ
6	S6FDCBAL1	S6FDCBAL1:W6 ImpFlag: Current balance of DC plan #1	Categ
7	S7FDCBAL1	S7FDCBAL1:W7 ImpFlag: Current balance of DC plan #1	Categ
8	S8FDCBAL1	S8FDCBAL1:W8 ImpFlag: Current balance of DC plan #1	Categ
9	S9FDCBAL1	S9FDCBAL1:W9 ImpFlag: Current balance of DC plan #1	Categ
10	S10FDCBAL1	S10FDCBAL1:W10 ImpFlag: Current balance of DC plan #1	Categ
11	S11FDCBAL1	S11FDCBAL1:W11 ImpFlag: Current balance of DC plan #1	Categ
12	S12FDCBAL1	S12FDCBAL1:W12 ImpFlag: Current balance of DC plan #1	Categ
13	S13FDCBAL1	S13FDCBAL1:W13 ImpFlag: Current balance of DC plan #1	Categ
14	S14FDCBAL1	S14FDCBAL1:W14 ImpFlag: Current balance of DC plan #1	Categ
15	S15FDCBAL1	S15FDCBAL1:W15 ImpFlag: Current balance of DC plan #1	Categ
16	S16FDCBAL1	S16FDCBAL1:W16 ImpFlag: Current balance of DC plan #1	Categ

1	R1FDCBAL2	R1FDCBAL2:W1 ImpFlag: Current balance of DC plan #2	Categ
2	R2FDCBAL2	R2FDCBAL2:W2 ImpFlag: Current balance of DC plan #2	Categ
3	R3FDCBAL2	R3FDCBAL2:W3 ImpFlag: Current balance of DC plan #2	Categ
4	R4FDCBAL2	R4FDCBAL2:W4 ImpFlag: Current balance of DC plan #2	Categ
5	R5FDCBAL2	R5FDCBAL2:W5 ImpFlag: Current balance of DC plan #2	Categ
6	R6FDCBAL2	R6FDCBAL2:W6 ImpFlag: Current balance of DC plan #2	Categ
7	R7FDCBAL2	R7FDCBAL2:W7 ImpFlag: Current balance of DC plan #2	Categ
8	R8FDCBAL2	R8FDCBAL2:W8 ImpFlag: Current balance of DC plan #2	Categ
9	R9FDCBAL2	R9FDCBAL2:W9 ImpFlag: Current balance of DC plan #2	Categ
10	R10FDCBAL2	R10FDCBAL2:W10 ImpFlag: Current balance of DC plan #2	Categ
11	R11FDCBAL2	R11FDCBAL2:W11 ImpFlag: Current balance of DC plan #2	Categ
12	R12FDCBAL2	R12FDCBAL2:W12 ImpFlag: Current balance of DC plan #2	Categ
13	R13FDCBAL2	R13FDCBAL2:W13 ImpFlag: Current balance of DC plan #2	Categ
14	R14FDCBAL2	R14FDCBAL2:W14 ImpFlag: Current balance of DC plan #2	Categ
15	R15FDCBAL2	R15FDCBAL2:W15 ImpFlag: Current balance of DC plan #2	Categ
16	R16FDCBAL2	R16FDCBAL2:W16 ImpFlag: Current balance of DC plan #2	Categ

1	S1FDCBAL2	S1FDCBAL2:W1 ImpFlag: Current balance of DC plan #2	Categ
2	S2FDCBAL2	S2FDCBAL2:W2 ImpFlag: Current balance of DC plan #2	Categ
3	S3FDCBAL2	S3FDCBAL2:W3 ImpFlag: Current balance of DC plan #2	Categ
4	S4FDCBAL2	S4FDCBAL2:W4 ImpFlag: Current balance of DC plan #2	Categ
5	S5FDCBAL2	S5FDCBAL2:W5 ImpFlag: Current balance of DC plan #2	Categ
6	S6FDCBAL2	S6FDCBAL2:W6 ImpFlag: Current balance of DC plan #2	Categ
7	S7FDCBAL2	S7FDCBAL2:W7 ImpFlag: Current balance of DC plan #2	Categ
8	S8FDCBAL2	S8FDCBAL2:W8 ImpFlag: Current balance of DC plan #2	Categ
9	S9FDCBAL2	S9FDCBAL2:W9 ImpFlag: Current balance of DC plan #2	Categ
10	S10FDCBAL2	S10FDCBAL2:W10 ImpFlag: Current balance of DC plan #2	Categ
11	S11FDCBAL2	S11FDCBAL2:W11 ImpFlag: Current balance of DC plan #2	Categ
12	S12FDCBAL2	S12FDCBAL2:W12 ImpFlag: Current balance of DC plan #2	Categ
13	S13FDCBAL2	S13FDCBAL2:W13 ImpFlag: Current balance of DC plan #2	Categ
14	S14FDCBAL2	S14FDCBAL2:W14 ImpFlag: Current balance of DC plan #2	Categ
15	S15FDCBAL2	S15FDCBAL2:W15 ImpFlag: Current balance of DC plan #2	Categ
16	S16FDCBAL2	S16FDCBAL2:W16 ImpFlag: Current balance of DC plan #2	Categ

1	R1FDCBAL3	R1FDCBAL3:W1 ImpFlag: Current balance of DC plan #3	Categ
2	R2FDCBAL3	R2FDCBAL3:W2 ImpFlag: Current balance of DC plan #3	Categ
3	R3FDCBAL3	R3FDCBAL3:W3 ImpFlag: Current balance of DC plan #3	Categ
4	R4FDCBAL3	R4FDCBAL3:W4 ImpFlag: Current balance of DC plan #3	Categ
5	R5FDCBAL3	R5FDCBAL3:W5 ImpFlag: Current balance of DC plan #3	Categ
6	R6FDCBAL3	R6FDCBAL3:W6 ImpFlag: Current balance of DC plan #3	Categ
7	R7FDCBAL3	R7FDCBAL3:W7 ImpFlag: Current balance of DC plan #3	Categ
8	R8FDCBAL3	R8FDCBAL3:W8 ImpFlag: Current balance of DC plan #3	Categ
9	R9FDCBAL3	R9FDCBAL3:W9 ImpFlag: Current balance of DC plan #3	Categ
10	R10FDCBAL3	R10FDCBAL3:W10 ImpFlag: Current balance of DC plan #3	Categ
11	R11FDCBAL3	R11FDCBAL3:W11 ImpFlag: Current balance of DC plan #3	Categ
12	R12FDCBAL3	R12FDCBAL3:W12 ImpFlag: Current balance of DC plan #3	Categ
13	R13FDCBAL3	R13FDCBAL3:W13 ImpFlag: Current balance of DC plan #3	Categ
14	R14FDCBAL3	R14FDCBAL3:W14 ImpFlag: Current balance of DC plan #3	Categ

15	R15FDCBAL3	R15FDCBAL3:W15 ImpFlag: Current balance of DC plan #3	Categ
16	R16FDCBAL3	R16FDCBAL3:W16 ImpFlag: Current balance of DC plan #3	Categ
1	S1FDCBAL3	S1FDCBAL3:W1 ImpFlag: Current balance of DC plan #3	Categ
2	S2FDCBAL3	S2FDCBAL3:W2 ImpFlag: Current balance of DC plan #3	Categ
3	S3FDCBAL3	S3FDCBAL3:W3 ImpFlag: Current balance of DC plan #3	Categ
4	S4FDCBAL3	S4FDCBAL3:W4 ImpFlag: Current balance of DC plan #3	Categ
5	S5FDCBAL3	S5FDCBAL3:W5 ImpFlag: Current balance of DC plan #3	Categ
6	S6FDCBAL3	S6FDCBAL3:W6 ImpFlag: Current balance of DC plan #3	Categ
7	S7FDCBAL3	S7FDCBAL3:W7 ImpFlag: Current balance of DC plan #3	Categ
8	S8FDCBAL3	S8FDCBAL3:W8 ImpFlag: Current balance of DC plan #3	Categ
9	S9FDCBAL3	S9FDCBAL3:W9 ImpFlag: Current balance of DC plan #3	Categ
10	S10FDCBAL3	S10FDCBAL3:W10 ImpFlag: Current balance of DC plan #3	Categ
11	S11FDCBAL3	S11FDCBAL3:W11 ImpFlag: Current balance of DC plan #3	Categ
12	S12FDCBAL3	S12FDCBAL3:W12 ImpFlag: Current balance of DC plan #3	Categ
13	S13FDCBAL3	S13FDCBAL3:W13 ImpFlag: Current balance of DC plan #3	Categ
14	S14FDCBAL3	S14FDCBAL3:W14 ImpFlag: Current balance of DC plan #3	Categ
15	S15FDCBAL3	S15FDCBAL3:W15 ImpFlag: Current balance of DC plan #3	Categ
16	S16FDCBAL3	S16FDCBAL3:W16 ImpFlag: Current balance of DC plan #3	Categ
5	R5FDCBAL4	R5FDCBAL4:W5 ImpFlag: Current balance of DC plan #4	Categ
6	R6FDCBAL4	R6FDCBAL4:W6 ImpFlag: Current balance of DC plan #4	Categ
7	R7FDCBAL4	R7FDCBAL4:W7 ImpFlag: Current balance of DC plan #4	Categ
8	R8FDCBAL4	R8FDCBAL4:W8 ImpFlag: Current balance of DC plan #4	Categ
9	R9FDCBAL4	R9FDCBAL4:W9 ImpFlag: Current balance of DC plan #4	Categ
10	R10FDCBAL4	R10FDCBAL4:W10 ImpFlag: Current balance of DC plan #4	Categ
11	R11FDCBAL4	R11FDCBAL4:W11 ImpFlag: Current balance of DC plan #4	Categ
12	R12FDCBAL4	R12FDCBAL4:W12 ImpFlag: Current balance of DC plan #4	Categ
13	R13FDCBAL4	R13FDCBAL4:W13 ImpFlag: Current balance of DC plan #4	Categ
14	R14FDCBAL4	R14FDCBAL4:W14 ImpFlag: Current balance of DC plan #4	Categ
15	R15FDCBAL4	R15FDCBAL4:W15 ImpFlag: Current balance of DC plan #4	Categ
16	R16FDCBAL4	R16FDCBAL4:W16 ImpFlag: Current balance of DC plan #4	Categ
5	S5FDCBAL4	S5FDCBAL4:W5 ImpFlag: Current balance of DC plan #4	Categ
6	S6FDCBAL4	S6FDCBAL4:W6 ImpFlag: Current balance of DC plan #4	Categ
7	S7FDCBAL4	S7FDCBAL4:W7 ImpFlag: Current balance of DC plan #4	Categ
8	S8FDCBAL4	S8FDCBAL4:W8 ImpFlag: Current balance of DC plan #4	Categ
9	S9FDCBAL4	S9FDCBAL4:W9 ImpFlag: Current balance of DC plan #4	Categ
10	S10FDCBAL4	S10FDCBAL4:W10 ImpFlag: Current balance of DC plan #4	Categ
11	S11FDCBAL4	S11FDCBAL4:W11 ImpFlag: Current balance of DC plan #4	Categ
12	S12FDCBAL4	S12FDCBAL4:W12 ImpFlag: Current balance of DC plan #4	Categ
13	S13FDCBAL4	S13FDCBAL4:W13 ImpFlag: Current balance of DC plan #4	Categ
14	S14FDCBAL4	S14FDCBAL4:W14 ImpFlag: Current balance of DC plan #4	Categ
15	S15FDCBAL4	S15FDCBAL4:W15 ImpFlag: Current balance of DC plan #4	Categ
16	S16FDCBAL4	S16FDCBAL4:W16 ImpFlag: Current balance of DC plan #4	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DCBAL1	12466	5118.71	35923.23	0.0	1200000.0
R2DCBAL1	11282	10415.64	213663.69	0.0	9999994.0
R3DCBAL1	17613	5184.58	61768.76	0.0	6000000.0
R4DCBAL1	21130	7436.25	99660.44	0.0	12000000.0
R5DCBAL1	19323	7457.62	62707.56	0.0	2220000.0
R6DCBAL1	17985	7242.79	95102.17	0.0	10000000.0
R7DCBAL1	19952	8129.59	60732.37	0.0	3000000.0
R8DCBAL1	18295	9100.79	128187.27	0.0	15000000.0
R9DCBAL1	16963	10117.56	77611.93	0.0	5000000.0
R10DCBAL1	21702	10130.41	64360.79	0.0	2500000.0
R11DCBAL1	19910	12288.67	125048.54	0.0	10000000.0
R12DCBAL1	18305	13360.87	108410.15	0.0	9000000.0
R13DCBAL1	20325	14118.13	87705.44	0.0	4150000.0
R14DCBAL1	16742	13687.66	77491.07	0.0	2400000.0

R15DCBAL1	15307	14767.03	87618.90	0.0	3764800.0
R16DCBAL1	15333	16265.33	128904.67	0.0	10000000.0
S1DCBAL1	9763	5323.65	36096.63	0.0	1200000.0
S2DCBAL1	8636	12207.74	243642.98	0.0	9999994.0
S3DCBAL1	11658	6488.20	73307.89	0.0	6000000.0
S4DCBAL1	13808	9931.27	121697.48	0.0	12000000.0
S5DCBAL1	12534	9590.31	73474.91	0.0	2220000.0
S6DCBAL1	11506	9454.41	113306.58	0.0	10000000.0
S7DCBAL1	12836	10456.59	70684.03	0.0	3000000.0
S8DCBAL1	11609	12030.97	158377.61	0.0	15000000.0
S9DCBAL1	10476	13709.96	94676.95	0.0	5000000.0
S10DCBAL1	13297	12688.74	75066.35	0.0	2500000.0
S11DCBAL1	12060	15242.17	126556.72	0.0	10000000.0
S12DCBAL1	10732	17153.74	130839.60	0.0	9000000.0
S13DCBAL1	11428	17344.70	101378.64	0.0	4150000.0
S14DCBAL1	9124	17421.41	88537.82	0.0	2400000.0
S15DCBAL1	8251	18459.71	99698.36	0.0	3764800.0
S16DCBAL1	7631	19576.80	122657.91	0.0	5800000.0
R1DCBAL2	12549	2842.06	20625.42	0.0	1250000.0
R2DCBAL2	11338	1772.98	16673.59	0.0	500000.0
R3DCBAL2	17652	1478.40	47287.68	0.0	6000000.0
R4DCBAL2	21185	1932.48	24171.99	0.0	1200000.0
R5DCBAL2	19417	1403.46	20888.91	0.0	1300000.0
R6DCBAL2	18033	1608.83	23390.83	0.0	1600000.0
R7DCBAL2	20009	2571.19	24701.26	0.0	900000.0
R8DCBAL2	18342	2413.85	84803.67	0.0	11000000.0
R9DCBAL2	17049	2796.71	31611.91	0.0	1400000.0
R10DCBAL2	21758	3405.92	35268.68	0.0	1976000.0
R11DCBAL2	20312	3428.66	33388.49	0.0	1200000.0
R12DCBAL2	18581	4163.14	44580.72	0.0	1900000.0
R13DCBAL2	20677	4097.74	49953.04	0.0	3000000.0
R14DCBAL2	17005	3671.80	47610.24	0.0	2100000.0
R15DCBAL2	15554	3901.49	48579.48	0.0	2150000.0
R16DCBAL2	15627	4160.33	56972.44	0.0	2500000.0
S1DCBAL2	9830	2904.93	21476.14	0.0	1250000.0
S2DCBAL2	8679	1971.23	17803.73	0.0	500000.0
S3DCBAL2	11693	1934.48	57687.74	0.0	6000000.0
S4DCBAL2	13839	2450.17	26808.42	0.0	1200000.0
S5DCBAL2	12608	1701.06	22607.60	0.0	1300000.0
S6DCBAL2	11539	2124.46	27541.86	0.0	1600000.0
S7DCBAL2	12878	3068.40	26223.18	0.0	900000.0
S8DCBAL2	11642	3045.09	104830.18	0.0	11000000.0
S9DCBAL2	10528	3690.91	37083.86	0.0	1400000.0
S10DCBAL2	13336	4328.39	41796.73	0.0	1976000.0
S11DCBAL2	12327	4550.22	39816.89	0.0	1200000.0
S12DCBAL2	10910	5920.42	54926.72	0.0	1900000.0
S13DCBAL2	11641	5956.09	63359.49	0.0	3000000.0
S14DCBAL2	9273	4906.03	57620.12	0.0	2100000.0
S15DCBAL2	8391	5191.94	58740.48	0.0	2150000.0
S16DCBAL2	7776	4837.68	60022.23	0.0	1700000.0
R1DCBAL3	12555	442.51	9607.10	0.0	600000.0
R2DCBAL3	11347	63.86	2057.28	0.0	100000.0
R3DCBAL3	17661	530.70	46608.65	0.0	6000000.0
R4DCBAL3	21199	153.33	4714.24	0.0	275000.0
R5DCBAL3	19437	158.96	9135.96	0.0	1000000.0

R6DCBAL3	18055	73.76	3633.56	0.0	400000.0
R7DCBAL3	20021	232.91	5575.17	0.0	300000.0
R8DCBAL3	18361	112.52	4721.75	0.0	425000.0
R9DCBAL3	17115	246.82	7840.19	0.0	575000.0
R10DCBAL3	21832	400.15	16334.22	0.0	1796000.0
R11DCBAL3	20406	551.21	18459.25	0.0	2000000.0
R12DCBAL3	18623	472.64	13349.24	0.0	1300000.0
R13DCBAL3	20722	430.69	15261.93	0.0	1200000.0
R14DCBAL3	17028	429.61	15602.46	0.0	1500000.0
R15DCBAL3	15581	545.20	24368.28	0.0	2500000.0
R16DCBAL3	15653	1096.98	41647.35	0.0	2614000.0
S1DCBAL3	9831	474.29	9997.68	0.0	600000.0
S2DCBAL3	8687	76.45	2327.05	0.0	100000.0
S3DCBAL3	11695	776.67	57259.91	0.0	6000000.0
S4DCBAL3	13847	210.53	5669.76	0.0	275000.0
S5DCBAL3	12621	223.43	11282.53	0.0	1000000.0
S6DCBAL3	11555	109.24	4530.29	0.0	400000.0
S7DCBAL3	12889	299.79	6399.54	0.0	300000.0
S8DCBAL3	11657	156.99	5792.91	0.0	425000.0
S9DCBAL3	10576	368.92	9897.85	0.0	575000.0
S10DCBAL3	13380	569.45	20633.75	0.0	1796000.0
S11DCBAL3	12389	724.88	22522.26	0.0	2000000.0
S12DCBAL3	10938	650.49	16615.69	0.0	1300000.0
S13DCBAL3	11669	624.46	19000.98	0.0	1200000.0
S14DCBAL3	9288	514.82	18414.43	0.0	1500000.0
S15DCBAL3	8407	784.19	30922.18	0.0	2500000.0
S16DCBAL3	7789	1216.46	45010.08	0.0	2614000.0
R5DCBAL4	19445	31.47	3029.64	0.0	400000.0
R6DCBAL4	18061	25.38	3005.42	0.0	400000.0
R7DCBAL4	20035	39.16	1704.34	0.0	130000.0
R8DCBAL4	18366	5.44	737.89	0.0	100000.0
R9DCBAL4	17130	72.89	7798.91	0.0	1000000.0
R10DCBAL4	21867	129.40	13125.16	0.0	1796000.0
R11DCBAL4	20425	37.81	3536.38	0.0	450000.0
R12DCBAL4	18631	22.49	1672.29	0.0	185000.0
R13DCBAL4	20728	23.25	2809.40	0.0	400000.0
R14DCBAL4	17031	44.72	4671.98	0.0	585000.0
R15DCBAL4	15583	0.00	0.00	0.0	0.0
R16DCBAL4	15657	3.50	353.98	0.0	42550.9
S5DCBAL4	12627	47.68	3758.53	0.0	400000.0
S6DCBAL4	11560	39.65	3756.60	0.0	400000.0
S7DCBAL4	12899	56.33	2088.52	0.0	130000.0
S8DCBAL4	11660	8.58	926.08	0.0	100000.0
S9DCBAL4	10586	117.95	9920.72	0.0	1000000.0
S10DCBAL4	13405	210.30	16763.14	0.0	1796000.0
S11DCBAL4	12404	43.47	4062.90	0.0	450000.0
S12DCBAL4	10945	21.38	1278.16	0.0	102000.0
S13DCBAL4	11675	36.83	3712.33	0.0	400000.0
S14DCBAL4	9291	81.98	6325.35	0.0	585000.0
S15DCBAL4	8409	0.00	0.00	0.0	0.0
S16DCBAL4	7792	5.46	482.04	0.0	42550.9
R1FDCBAL1	12652	5.54	1.42	1.0	7.0
R2FDCBAL1	11420	5.49	1.48	1.0	7.0
R3FDCBAL1	17991	5.67	1.25	1.0	7.0
R4FDCBAL1	21384	5.65	1.26	1.0	7.0

R5FDCBAL1	19578	5.62	1.31	1.0	7.0
R6FDCBAL1	18165	5.67	1.21	1.0	7.0
R7FDCBAL1	20129	5.55	1.39	1.0	7.0
R8FDCBAL1	18469	5.61	1.31	1.0	7.0
R9FDCBAL1	17217	5.61	1.32	1.0	7.0
R10FDCBAL1	22034	5.54	1.43	1.0	7.0
R11FDCBAL1	20554	5.52	1.48	1.0	7.0
R12FDCBAL1	18747	5.54	1.45	1.0	7.0
R13FDCBAL1	20912	5.50	1.49	1.0	7.0
R14FDCBAL1	17146	5.50	1.49	1.0	7.0
R15FDCBAL1	15723	5.53	1.45	1.0	7.0
R16FDCBAL1	15787	5.56	1.42	1.0	7.0
S1FDCBAL1	9900	5.53	1.43	1.0	7.0
S2FDCBAL1	8741	5.48	1.50	1.0	7.0
S3FDCBAL1	11917	5.61	1.35	1.0	7.0
S4FDCBAL1	13980	5.57	1.38	1.0	7.0
S5FDCBAL1	12730	5.56	1.41	1.0	7.0
S6FDCBAL1	11639	5.61	1.31	1.0	7.0
S7FDCBAL1	12972	5.47	1.51	1.0	7.0
S8FDCBAL1	11735	5.54	1.42	1.0	7.0
S9FDCBAL1	10646	5.52	1.46	1.0	7.0
S10FDCBAL1	13513	5.46	1.53	1.0	7.0
S11FDCBAL1	12484	5.42	1.61	1.0	7.0
S12FDCBAL1	11012	5.42	1.60	1.0	7.0
S13FDCBAL1	11779	5.40	1.62	1.0	7.0
S14FDCBAL1	9358	5.40	1.63	1.0	7.0
S15FDCBAL1	8477	5.45	1.56	1.0	7.0
S16FDCBAL1	7840	5.49	1.51	1.0	7.0
R1FDCBAL2	12652	5.68	1.21	1.0	7.0
R2FDCBAL2	11420	5.84	0.88	1.0	7.0
R3FDCBAL2	17991	5.92	0.70	1.0	7.0
R4FDCBAL2	21384	5.89	0.74	1.0	7.0
R5FDCBAL2	19578	5.90	0.70	1.0	7.0
R6FDCBAL2	18165	5.92	0.63	1.0	7.0
R7FDCBAL2	20129	5.84	0.86	1.0	7.0
R8FDCBAL2	18469	5.91	0.67	1.0	7.0
R9FDCBAL2	17217	5.88	0.78	1.0	7.0
R10FDCBAL2	22034	5.84	0.89	1.0	7.0
R11FDCBAL2	20554	5.88	0.78	1.0	7.0
R12FDCBAL2	18747	5.89	0.76	1.0	7.0
R13FDCBAL2	20912	5.90	0.73	1.0	7.0
R14FDCBAL2	17146	5.92	0.64	1.0	7.0
R15FDCBAL2	15723	5.93	0.63	1.0	7.0
R16FDCBAL2	15787	5.93	0.61	1.0	7.0
S1FDCBAL2	9900	5.67	1.23	1.0	7.0
S2FDCBAL2	8741	5.83	0.90	1.0	7.0
S3FDCBAL2	11917	5.90	0.76	1.0	7.0
S4FDCBAL2	13980	5.86	0.82	1.0	7.0
S5FDCBAL2	12730	5.89	0.76	1.0	7.0
S6FDCBAL2	11639	5.91	0.68	1.0	7.0
S7FDCBAL2	12972	5.82	0.93	1.0	7.0
S8FDCBAL2	11735	5.90	0.72	1.0	7.0
S9FDCBAL2	10646	5.85	0.86	1.0	7.0
S10FDCBAL2	13513	5.82	0.96	1.0	7.0
S11FDCBAL2	12484	5.86	0.85	1.0	7.0
S12FDCBAL2	11012	5.86	0.84	1.0	7.0

S13FDCBAL2	11779	5.87	0.83	1.0	7.0
S14FDCBAL2	9358	5.90	0.71	1.0	7.0
S15FDCBAL2	8477	5.91	0.68	1.0	7.0
S16FDCBAL2	7840	5.92	0.66	1.0	7.0
R1FDCBAL3	12652	5.96	0.47	1.0	7.0
R2FDCBAL3	11420	5.98	0.34	1.0	7.0
R3FDCBAL3	17991	6.01	0.29	1.0	7.0
R4FDCBAL3	21384	5.99	0.27	1.0	7.0
R5FDCBAL3	19578	6.00	0.23	1.0	7.0
R6FDCBAL3	18165	6.00	0.20	1.0	7.0
R7FDCBAL3	20129	5.98	0.32	1.0	7.0
R8FDCBAL3	18469	6.00	0.22	1.0	7.0
R9FDCBAL3	17217	5.99	0.27	1.0	7.0
R10FDCBAL3	22034	5.99	0.34	1.0	7.0
R11FDCBAL3	20554	5.99	0.31	1.0	7.0
R12FDCBAL3	18747	5.99	0.32	1.0	7.0
R13FDCBAL3	20912	6.00	0.27	1.0	7.0
R14FDCBAL3	17146	6.00	0.22	1.0	7.0
R15FDCBAL3	15723	6.00	0.21	1.0	7.0
R16FDCBAL3	15787	6.00	0.24	1.0	7.0
S1FDCBAL3	9900	5.96	0.48	1.0	7.0
S2FDCBAL3	8741	5.98	0.36	1.0	7.0
S3FDCBAL3	11917	6.00	0.32	1.0	7.0
S4FDCBAL3	13980	5.99	0.30	1.0	7.0
S5FDCBAL3	12730	6.00	0.23	1.0	7.0
S6FDCBAL3	11639	6.00	0.22	1.0	7.0
S7FDCBAL3	12972	5.98	0.35	1.0	7.0
S8FDCBAL3	11735	6.00	0.25	1.0	7.0
S9FDCBAL3	10646	5.99	0.31	1.0	7.0
S10FDCBAL3	13513	5.98	0.38	1.0	7.0
S11FDCBAL3	12484	5.98	0.35	1.0	7.0
S12FDCBAL3	11012	5.98	0.34	1.0	7.0
S13FDCBAL3	11779	5.99	0.32	1.0	7.0
S14FDCBAL3	9358	6.00	0.24	1.0	7.0
S15FDCBAL3	8477	6.00	0.24	1.0	7.0
S16FDCBAL3	7840	6.00	0.24	1.0	7.0
R5FDCBAL4	19578	6.01	0.13	1.0	7.0
R6FDCBAL4	18165	6.01	0.08	1.0	7.0
R7FDCBAL4	20129	6.00	0.16	1.0	7.0
R8FDCBAL4	18469	6.01	0.08	1.0	7.0
R9FDCBAL4	17217	6.00	0.11	1.0	7.0
R10FDCBAL4	22034	6.01	0.12	1.0	7.0
R11FDCBAL4	20554	6.00	0.13	1.0	7.0
R12FDCBAL4	18747	6.00	0.12	1.0	7.0
R13FDCBAL4	20912	6.01	0.11	1.0	7.0
R14FDCBAL4	17146	6.01	0.11	1.0	7.0
R15FDCBAL4	15723	6.01	0.09	6.0	7.0
R16FDCBAL4	15787	6.01	0.10	1.0	7.0
S5FDCBAL4	12730	6.01	0.14	1.0	7.0
S6FDCBAL4	11639	6.01	0.10	1.0	7.0
S7FDCBAL4	12972	6.00	0.18	1.0	7.0
S8FDCBAL4	11735	6.01	0.09	1.0	7.0
S9FDCBAL4	10646	6.00	0.12	1.0	7.0
S10FDCBAL4	13513	6.01	0.13	1.0	7.0
S11FDCBAL4	12484	6.00	0.14	1.0	7.0

S12FDCBAL4	11012	6.00	0.13	1.0	7.0
S13FDCBAL4	11779	6.01	0.11	1.0	7.0
S14FDCBAL4	9358	6.01	0.13	1.0	7.0
S15FDCBAL4	8477	6.01	0.09	6.0	7.0
S16FDCBAL4	7840	6.01	0.09	2.0	7.0

Categorical Variable Codes

RwFDCBAL1: ImpFlag: Current balance of DC plan #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		8222								
1.Continuous value	1102	1096	1165	1428	1203	893	1367	1118	1074	1632
2.Complete bracket					331	353	518	364	329	510
3.Incomplete bracket					41	42	40	38	29	61
5.No value/bracket	549	442	409	671	168	164	192	137	148	165
6.No pension asset	10815	9744	16039	19031	17580	16533	17835	16638	15383	19334
7.DK ownership	186	138	378	254	255	180	177	174	254	332

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
1.Continuous value	1629	1468	1652	1392	1171	1098
2.Complete bracket	497	370	557	417	382	403
3.Incomplete bracket	53	44	87	52	57	58
5.No value/bracket	218	190	245	162	191	171
6.No pension asset	17513	16233	17784	14719	13506	13603
7.DK ownership	644	442	587	404	416	454

SwFDCBAL1: ImpFlag: Current balance of DC plan #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		4549								
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
1.Continuous value	879	868	916	1137	920	688	1050	854	823	1176
2.Complete bracket					255	260	395	278	247	346
3.Incomplete bracket					32	32	29	29	20	43
5.No value/bracket	420	327	312	497	118	125	137	104	100	109
6.No pension asset	8464	7441	10430	12174	11209	10401	11225	10344	9286	11623
7.DK ownership	137	105	259	172	196	133	136	126	170	216

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Continuous value	1201	1082	1142	947	777	640
2.Complete bracket	349	267	359	246	197	207
3.Incomplete bracket	35	27	53	27	33	39
5.No value/bracket	151	115	140	88	109	99
6.No pension asset	10324	9241	9734	7816	7135	6646
7.DK ownership	424	280	351	234	226	209

RwFDCBAL2: ImpFlag: Current balance of DC plan #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		8222								
1.Continuous value	773	357	336	469	333	235	480	276	350	596
2.Complete bracket					78	71	184	77	96	153
3.Incomplete bracket					11	7	15	8	9	17
5.No value/bracket	257	116	109	188	27	39	75	40	56	54
6.No pension asset	11519	10865	17207	20528	18968	17681	19255	17941	16538	20938
7.DK ownership	103	82	339	199	161	132	120	127	168	276

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
1.Continuous value	415	377	382	244	205	198
2.Complete bracket	128	79	94	48	57	45
3.Incomplete bracket	10	12	9	6	8	4
5.No value/bracket	53	34	43	25	27	25
6.No pension asset	19706	18079	20149	16682	15257	15355
7.DK ownership	242	166	235	141	169	160

SwFDCBAL2: ImpFlag: Current balance of DC plan #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		4549								
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
1.Continuous value	628	286	265	378	250	184	369	211	269	436
2.Complete bracket					67	48	138	53	72	106
3.Incomplete bracket					11	5	9	5	7	10
5.No value/bracket	197	87	93	144	18	31	55	29	42	37
6.No pension asset	9005	8306	11335	13317	12262	11271	12307	11344	10138	12747
7.DK ownership	70	62	224	141	122	100	94	93	118	177

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Continuous value	301	278	285	173	132	115
2.Complete bracket	93	55	57	25	34	28
3.Incomplete bracket	7	8	5	4	6	3
5.No value/bracket	39	27	25	11	15	9
6.No pension asset	11887	10542	11269	9060	8204	7621
7.DK ownership	157	102	138	85	86	64

RwFDCBAL3: ImpFlag: Current balance of DC plan #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		8222								
1.Continuous value	109	51	45	54	30	18	65	26	38	82
2.Complete bracket					6	8	19	7	15	22
3.Incomplete bracket					1		3			1
5.No value/bracket	52	7	15	22	3	7	13	3	7	7
6.No pension asset	12394	11289	17601	21123	19397	18022	19921	18325	17055	21720
7.DK ownership	97	73	330	185	141	110	108	108	102	202

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
1.Continuous value	66	61	46	24	18	26
2.Complete bracket	14	12	11	8	6	7
3.Incomplete bracket	1	2	2	1	2	
5.No value/bracket	8	7	2	4	4	2
6.No pension asset	20317	18541	20661	16991	15551	15618
7.DK ownership	148	124	190	118	142	134

SwFDCBAL3: ImpFlag: Current balance of DC plan #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		4549								
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
1.Continuous value	87	44	41	46	18	15	51	21	31	62
2.Complete bracket					6	7	13	7	12	13
3.Incomplete bracket					1		2			1
5.No value/bracket	43	7	10	14	3	4	9	3	5	5
6.No pension asset	9701	8636	11644	13787	12593	11529	12814	11626	10528	13299
7.DK ownership	69	54	222	133	109	84	83	78	70	133

Value	w11	w12	w13	w14	w15	w16
.Q=Not asked this wv						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Continuous value	51	43	38	16	14	14
2.Complete bracket	12	8	6	5	4	3
3.Incomplete bracket	1	2	2		1	
5.No value/bracket	4	6	1	3	3	
6.No pension asset	12321	10879	11622	9264	8385	7772
7.DK ownership	95	74	110	70	70	51

RwFDCBAL4: ImpFlag: Current balance of DC plan #4

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value					7	1	16	1	4	7
2.Complete bracket									1	
3.Incomplete bracket							1			
5.No value/bracket						2	2			
6.No pension asset					19438	18058	20016	18365	17125	21860
7.DK ownership					133	104	94	103	87	167

Value	w11	w12	w13	w14	w15	w16
1.Continuous value	8	6	3	3		1
2.Complete bracket						1
3.Incomplete bracket				1		
5.No value/bracket						
6.No pension asset	20417	18625	20725	17027	15583	15655
7.DK ownership	129	116	184	115	140	130

SwFDCBAL4: ImpFlag: Current balance of DC plan #4

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried					6537	6306	6777	6417	6206	7797
.V=Spouse NR					311	220	380	317	365	724
1.Continuous value					6	1	14	1	3	5
2.Complete bracket									1	
3.Incomplete bracket							1			
5.No value/bracket						2	2			
6.No pension asset					12621	11557	12882	11659	10582	13400
7.DK ownership					103	79	73	75	60	108

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Continuous value	6	5	2	3		
2.Complete bracket						1
3.Incomplete bracket				1		
5.No value/bracket						
6.No pension asset	12398	10940	11673	9287	8409	7791
7.DK ownership	80	67	104	67	68	48

General Comments

Defined contribution (DC) pension plan account balances are reported in nominal dollars. When an account balance is missing, it is imputed using the method described in the introduction section titled "Pension Imputations: Account Balance for Defined Contribution Plan from Current Job" earlier in this document. Note that we do not impute ownership for these variables.

How Constructed

RwDCBAL1, RwDCBAL2, RwDCBAL3 and RwDCBAL4 indicate the amount in nominal dollars that the Respondent currently has in a defined contribution (DC) pension plan account from their current, primary employer. Before Wave 5 (2000), account balances may be reported for up to 3 plans. From Wave 5 through Wave 10 (2010), account balances may be reported for up to 4 plans. From Wave 11 (2012) forward, Respondents may report information on up to 10 plans, but we limit the RAND HRS Longitudinal File to the first four

active plans as they appear in the data, to align with previous waves. RwFDCBAL1, RwFDCBAL2, RwFDCBAL3, and RwFDCBAL4 indicate whether RwDCBAL1, RwDCBAL2, RwDCBAL3 and RwDCBAL4 were imputed. SwDCBAL1, SwDCBAL2, SwDCBAL3, SwDCBAL4, SwFDCBAL1, SwFDCBAL2, SwFDCBAL3, and SwFDCBAL4 provide the information for the Respondent's spouse or partner.

Respondents who indicate they are included in a pension plan at their current job are asked for the number of plans and then the type of each plan. In Waves 1-8 (1992-2006) and Wave 11 forward, DC account balances are reported for Respondents who indicate a plan type of Type B or both. In Waves 9-10 (2008-2010), dollar amounts are calculated for Respondents who either a) consistently identify a defined contribution plan through the plan type (i.e., Type B or both) and the detailed plan name (e.g., 401K, 403b, etc.) or b) indicate a plan type of Type B or both and have a high level of confidence in their plan type selection. In all Waves, for Respondents who indicate a plan type of Type A (defined benefit) or who do not know or refuse to disclose the plan type, RwDCBALx is set to .M and RwFDCBALx is set to 7.DK ownership. In Waves 1-10, RwDCBALx is also set to .M and RwFDCBALx is set to 7.DK ownership if the Respondent did not provide a number of pensions.

If the Respondent reports a plan type of Type B or both and the account balance is missing, the variables are imputed using the method described in the introduction section titled "Pension imputation Process" earlier in this document. Note that we do not impute ownership for these variables. R2DCBAL1-3 and R2FDCBAL1-3 are set to .Q for AHEAD respondents (Respondents to Wave 2A) because the defined contribution plan amount questions were not asked in Wave 2A.

If the Respondent does not have a particular pension plan, RwDCBALx is set to 0 and RwFDCBALx is set to 6.No pension asset. (e.g., if the Respondent has one pension, RwDCBAL2, RwDCBAL3, and from Wave 5 on, RwDCBAL4 equal 0). RwDCBALx is also set to 0 and RwFDCBALx is set to 6.No pension asset if the Respondent is not working or does not have a pension from the current job.

Please note that the high maximum values come directly from HRS raw variables. For example, R8DCBAL1=15,000,000 was reported in KJ307A.

Cross Wave Differences in Original HRS Data

In Waves 1-8 and 11 forward, account balances of a defined contribution plan are calculated for Respondents who indicate a plan type equal to Type B or Both. In Waves 9 and 10, DC plans are defined in one of two ways: a) plans that are consistently identified as DC through the plan type (i.e., Type B or both) and the detailed plan name (e.g., 401K, 403b, etc.) or b) plans with a type of Type B or Both where Respondents have a high level of confidence in their plan type selection.

In Waves 1-10, the wording of the question varies depending on the plan type indicated. Respondents who indicate a Type B plan are asked, "How much money is in your account at present?", whereas Respondents who indicate a plan type of both are asked, "For that part of your plan where money is accumulated in an account, how much is in the account at present?" From Wave 11 forward, for all Respondents, the wording of the question is, "How much is in the [Insert Plan Name] account now?"

Questions are not asked in Wave 2A (1993). All variables are set to .Q.

In Wave 2H (1994), eight separate questions are asked, depending on whether the Respondent is employed by a firm or self-employed, the plan type is Type B or both, and whether the plan is newly reported or the rules have changed, or if it has been previously reported and there have been no rule changes.

In Wave 3A (1995), questions are asked separately for those employed by someone else and the self-employed. Respondents who work for someone else or a firm are asked to report on account balances for up to three plans. The self-employed are asked to report on only one plan.

In Waves 3H (1996), 4-6, and 8, Respondents are asked one of four account balance questions depending on plan type and whether the plan is newly or previously reported.

In Waves 9 (2008) and 10 (2010), only one account balance question is asked of all Respondents, but the wording of the question varies based on plan type, as described above.

Beginning in Wave 5 (2000), a fourth plan is added if the Respondent reports having at least four plans.

Prior to Wave 11 (2012), the Respondent was asked to list their pensions in order of importance. From Wave 11 forward, due to the questionnaire change, the Respondent answers questions about all pension plans, with no regard to importance. We report account balances for up to the first four active plans in the data to remain consistent with earlier waves.

HRS Variables Used

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HRS 1992:
    V2909           F39:P1-TYPE OF PLAN
    V2910           F40:P1-MNY IN ACCT NOW:$
    V2940           F58:TB/P1:$ IN ACCT
    V3009           F39:P2-TYPE OF PLAN
    V3010           F40:P2-MNY IN ACCT NOW:$
    V3040           F58:TB/P2:$ IN ACCT
    V3109           F39:P3-TYPE OF PLAN
    V3110           F40:P3-MNY IN ACCT NOW:$
    V3140           F58:TB/P3:$ IN ACCT
HRS 1994:
    W3712           1. FA65.TYPE OF PENSION
    W3713           1. FA66.AMOUNT IN ACCOUN
    W3723           1. FA70.AMOUNT IN ACCOUN
    W3724           2. FA65.TYPE OF PENSION
    W3725           2. FA66.AMOUNT IN ACCOUN
    W3735           2. FA70.AMOUNT IN ACCOUN
    W3736           3. FA65.TYPE OF PENSION
    W3737           3. FA66.AMOUNT IN ACCOUN
    W3747           3  FA70.AMOUNT IN PRESEN
    W3756           1. FA73.TYPE OF PENSION
    W3757           1. FA74.AMOUNT IN ACCOUN
    W3797           1. FA92.AMOUNT IN ACCOUN
    W3808           2. FA73.TYPE OF PENSION
    W3809           2. FA74.AMOUNT IN ACCOUN
    W3849           2. FA92.AMOUNT IN ACCOUN
    W3860           3. FA73.TYPE OF PENSION
    W3861           3. FA74.AMOUNT IN ACCOUN
    W3901           3. FA92.AMOUNT IN ACCOUN
    W4378           1. FB29.TYPE OF RETIREME
    W4379           1. FB30.AMOUNT IN ACCOUN
    W4389           1. FB34.AMOUNT IN ACCOUN
    W4390           2. FB29.TYPE OF RETIREME
    W4391           2. FB30.AMOUNT IN ACCOUN
    W4401           2. FB34.AMOUNT IN ACCOUN
    W4402           3. FB29.TYPE OF RETIREME
    W4403           3. FB30.AMOUNT IN PENSIO
    W4413           3. FB34.AMOUNT IN ACCOUN
    W4415           1. FB37.TYPE OF PENSION
    W4416           1. FB38.AMOUNT IN ACCOUN
    W4456           1. FB56.AMOUNT IN ACCOUN
    W4467           2. FB37.TYPE OF PENSION
    W4468           2. FB38.AMOUNT IN ACCOUN
    W4508           2. FB56.AMOUNT IN ACCOUN
    W4519           3. FB37.TYPE OF PENSION
    W4520           3. FB38.AMOUNT IN ACCOUN
    W4560           3. FB56.AMOUNT IN ACCOUN
AHEAD 1995:
    D2969_1         GA73. TYPE PENSION
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    D2969_2         GA73. TYPE PENSION
    D2969_3         GA73. TYPE PENSION
    D2970_1         GA74. AMOUNT PENSION ACCOUNT
    D2970_2         GA74. AMOUNT PENSION ACCOUNT
    D2970_3         GA74. AMOUNT PENSION ACCOUNT
    D3037_1         GA92. AMOUNT DC ACCOUNT
    D3037_2         GA92. AMOUNT DC ACCOUNT
    D3037_3         GA92. AMOUNT DC ACCOUNT
    D3330_1         GB37. TYPE PENSION
    D3331_1         GB38. AMOUNT PENSION ACCOUNT
    D3401_1         GB56. AMOUNT DC ACCOUNT
HRS 1996:
    E2840_1         G69.TYPE OF PENSION
    E2840_2         G69.TYPE OF PENSION
    E2840_3         G69.TYPE OF PENSION
    E2841_1         G70.AMOUNT IN ACCOUNT PRESENTLY
    E2841_2         G70.AMOUNT IN ACCOUNT PRESENTLY
    E2841_3         G70.AMOUNT IN ACCOUNT PRESENTLY
    E2856_1         G74.AMOUNT IN ACCOUNT PRESENTLY
    E2856_2         G74.AMOUNT IN ACCOUNT PRESENTLY
    E2856_3         G74.AMOUNT IN ACCOUNT PRESENTLY
    E2875_1         G77.TYPE OF PENSION
    E2875_2         G77.TYPE OF PENSION
    E2875_3         G77.TYPE OF PENSION
    E2876_1         G78.AMOUNT IN ACCOUNT PRESENTLY
    E2876_2         G78.AMOUNT IN ACCOUNT PRESENTLY
    E2876_3         G78.AMOUNT IN ACCOUNT PRESENTLY
    E2942_1         G96.AMOUNT IN ACCOUNT PRESENTLY
    E2942_2         G96.AMOUNT IN ACCOUNT PRESENTLY
    E2942_3         G96.AMOUNT IN ACCOUNT PRESENTLY
HRS 1998:
    F3364_1         G69.TYPE OF PENSION
    F3364_2         G69.TYPE OF PENSION
    F3364_3         G69.TYPE OF PENSION
    F3365_1         G70.AMOUNT IN ACCOUNT PRESENTLY
    F3365_2         G70.AMOUNT IN ACCOUNT PRESENTLY
    F3365_3         G70.AMOUNT IN ACCOUNT PRESENTLY
    F3383_1         G74.AMOUNT IN ACCOUNT PRESENTLY
    F3383_2         G74.AMOUNT IN ACCOUNT PRESENTLY
    F3383_3         G74.AMOUNT IN ACCOUNT PRESENTLY
    F3403_1         G77.TYPE OF PENSION
    F3403_2         G77.TYPE OF PENSION
    F3403_3         G77.TYPE OF PENSION
    F3404_1         G78.AMOUNT IN ACCOUNT PRESENTLY
    F3404_2         G78.AMOUNT IN ACCOUNT PRESENTLY
    F3404_3         G78.AMOUNT IN ACCOUNT PRESENTLY
    F3470_1         G96.AMOUNT IN ACCOUNT PRESENTLY
    F3470_2         G96.AMOUNT IN ACCOUNT PRESENTLY
    F3470_3         G96.AMOUNT IN ACCOUNT PRESENTLY
HRS 2000:
    G3624_1         G69.TYPE OF PENSION
    G3624_2         G69.TYPE OF PENSION
    G3624_3         G69.TYPE OF PENSION
    G3624_4         G69.TYPE OF PENSION
    G3625_1         G70.AMOUNT IN ACCOUNT PRESENTLY
    G3625_2         G70.AMOUNT IN ACCOUNT PRESENTLY
    G3625_3         G70.AMOUNT IN ACCOUNT PRESENTLY
    G3625_4         G70.AMOUNT IN ACCOUNT PRESENTLY
    G3643_1         G74.AMOUNT IN ACCOUNT PRESENTLY
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G3643_2	G74.AMOUNT IN ACCOUNT PRESENTLY
G3643_3	G74.AMOUNT IN ACCOUNT PRESENTLY
G3643_4	G74.AMOUNT IN ACCOUNT PRESENTLY
G3644_1	G74AA.R DK-20K
G3644_2	G74AA.R DK-20K
G3644_3	G74AA.R DK-20K
G3644_4	G74AA.R DK-20K
G3645_1	G74AB.R DK-5K
G3645_2	G74AB.R DK-5K
G3645_3	G74AB.R DK-5K
G3645_4	G74AB.R DK-5K
G3646_1	G74AC.R DK-50K
G3646_2	G74AC.R DK-50K
G3646_3	G74AC.R DK-50K
G3646_4	G74AC.R DK-50K
G3647_1	G74AD.R DK-150K
G3647_2	G74AD.R DK-150K
G3647_3	G74AD.R DK-150K
G3647_4	G74AD.R DK-150K
G3683_1	G77.TYPE OF PENSION
G3683_2	G77.TYPE OF PENSION
G3683_3	G77.TYPE OF PENSION
G3683_4	G77.TYPE OF PENSION
G3684_1	G78.AMOUNT IN ACCOUNT PRESENTLY
G3684_2	G78.AMOUNT IN ACCOUNT PRESENTLY
G3684_3	G78.AMOUNT IN ACCOUNT PRESENTLY
G3684_4	G78.AMOUNT IN ACCOUNT PRESENTLY
G3685_1	G78A.R DK-20K
G3685_2	G78A.R DK-20K
G3685_3	G78A.R DK-20K
G3685_4	G78A.R DK-20K
G3686_1	G78B.R DK-5K
G3686_2	G78B.R DK-5K
G3686_3	G78B.R DK-5K
G3686_4	G78B.R DK-5K
G3687_1	G78C.R DK-50K
G3687_2	G78C.R DK-50K
G3687_3	G78C.R DK-50K
G3687_4	G78C.R DK-50K
G3688_1	G78D.R DK-150K
G3688_2	G78D.R DK-150K
G3688_3	G78D.R DK-150K
G3688_4	G78D.R DK-150K
G3755_1	G96.AMOUNT IN ACCOUNT PRESENTLY
G3755_2	G96.AMOUNT IN ACCOUNT PRESENTLY
G3755_3	G96.AMOUNT IN ACCOUNT PRESENTLY
G3755_4	G96.AMOUNT IN ACCOUNT PRESENTLY
G3756_1	G96A.R DK-20K
G3756_2	G96A.R DK-20K
G3756_3	G96A.R DK-20K
G3756_4	G96A.R DK-20K
G3757_1	G96B.R DK-5K
G3757_2	G96B.R DK-5K
G3757_3	G96B.R DK-5K
G3757_4	G96B.R DK-5K
G3758_1	G96C.R DK-50K
G3758_2	G96C.R DK-50K
G3758_3	G96C.R DK-50K
G3758_4	G96C.R DK-50K

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    G3759_1         G96D.R DK-150K
    G3759_2         G96D.R DK-150K
    G3759_3         G96D.R DK-150K
    G3759_4         G96D.R DK-150K
HRS 2002:
    HJ272_1         TYPE OF PENSION- 1
    HJ272_2         TYPE OF PENSION- 2
    HJ272_3         TYPE OF PENSION- 3
    HJ272_4         TYPE OF PENSION- 4
    HJ273_1         AMT IN PENSION ACCOUNT-BOTH A/B-1
    HJ273_2         AMT IN PENSION ACCOUNT-BOTH A/B-2
    HJ273_3         AMT IN PENSION ACCOUNT-BOTH A/B-3
    HJ273_4         AMT IN PENSION ACCOUNT-BOTH A/B-4
    HJ274_1         AMT IN PENSION ACCOUNT-BOTH A/B-MIN-1
    HJ274_2         AMT IN PENSION ACCOUNT-BOTH A/B-MIN-2
    HJ274_3         AMT IN PENSION ACCOUNT-BOTH A/B-MIN-3
    HJ274_4         AMT IN PENSION ACCOUNT-BOTH A/B-MIN-4
    HJ275_1         AMT IN PENSION ACCOUNT-BOTH A/B-MAX-1
    HJ275_2         AMT IN PENSION ACCOUNT-BOTH A/B-MAX-2
    HJ275_3         AMT IN PENSION ACCOUNT-BOTH A/B-MAX-3
    HJ275_4         AMT IN PENSION ACCOUNT-BOTH A/B-MAX-4
    HJ307_1         AMT IN PENSION ACCOUNT- TYPE B ONLY-1
    HJ307_2         AMT IN PENSION ACCOUNT- TYPE B ONLY-2
    HJ307_3         AMT IN PENSION ACCOUNT- TYPE B ONLY-3
    HJ307_4         AMT IN PENSION ACCOUNT- TYPE B ONLY-4
    HJ308_1         AMT IN PENSION ACCOUNT- B ONLY- MIN-1
    HJ308_2         AMT IN PENSION ACCOUNT- B ONLY- MIN-2
    HJ308_3         AMT IN PENSION ACCOUNT- B ONLY- MIN-3
    HJ308_4         AMT IN PENSION ACCOUNT- B ONLY- MIN-4
    HJ309_1         AMT IN PENSION ACCOUNT- B ONLY- MAX-1
    HJ309_2         AMT IN PENSION ACCOUNT- B ONLY- MAX-2
    HJ309_3         AMT IN PENSION ACCOUNT- B ONLY- MAX-3
    HJ309_4         AMT IN PENSION ACCOUNT- B ONLY- MAX-4
    HJ338_1         PENSION PLAN TYPE- 1
    HJ338_2         PENSION PLAN TYPE- 2
    HJ338_3         PENSION PLAN TYPE- 3
    HJ338_4         PENSION PLAN TYPE- 4
    HJ339_1         AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-1
    HJ339_2         AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-2
    HJ339_3         AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-3
    HJ339_4         AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-4
    HJ340_1         AMOUNT IN ACCOUNT PRESENTLY- MIN-1
    HJ340_2         AMOUNT IN ACCOUNT PRESENTLY- MIN-2
    HJ340_3         AMOUNT IN ACCOUNT PRESENTLY- MIN-3
    HJ340_4         AMOUNT IN ACCOUNT PRESENTLY- MIN-4
    HJ341_1         AMOUNT IN ACCOUNT PRESENTLY- MAX-1
    HJ341_2         AMOUNT IN ACCOUNT PRESENTLY- MAX-2
    HJ341_3         AMOUNT IN ACCOUNT PRESENTLY- MAX-3
    HJ341_4         AMOUNT IN ACCOUNT PRESENTLY- MAX-4
    HJ413_1         AMOUNT IN ACCOUNT PRESENTLY-PLAN B-1
    HJ413_2         AMOUNT IN ACCOUNT PRESENTLY-PLAN B-2
    HJ413_3         AMOUNT IN ACCOUNT PRESENTLY-PLAN B-3
    HJ413_4         AMOUNT IN ACCOUNT PRESENTLY-PLAN B-4
    HJ414_1         AMOUNT CURRENTLY IN ACCOUNT-MIN-1
    HJ414_2         AMOUNT CURRENTLY IN ACCOUNT-MIN-2
    HJ414_3         AMOUNT CURRENTLY IN ACCOUNT-MIN-3
    HJ414_4         AMOUNT CURRENTLY IN ACCOUNT-MIN-4
    HJ415_1         AMOUNT CURRENTLY IN ACCOUNT-MAX-1
    HJ415_2         AMOUNT CURRENTLY IN ACCOUNT-MAX-2
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HJ415_3	AMOUNT CURRENTLY IN ACCOUNT-MAX-3
HJ415_4	AMOUNT CURRENTLY IN ACCOUNT-MAX-4
HRS 2006:	
KJ272A	TYPE OF PENSION- 1 -1
KJ272B	TYPE OF PENSION- 1 -2
KJ272C	TYPE OF PENSION- 1 -3
KJ272D	TYPE OF PENSION- 1 -4
KJ273A	AMOUNT IN PENSION ACCOUNT-TYPE B PART -1
KJ273B	AMOUNT IN PENSION ACCOUNT-TYPE B PART -2
KJ273C	AMOUNT IN PENSION ACCOUNT-TYPE B PART -3
KJ273D	AMOUNT IN PENSION ACCOUNT-TYPE B PART -4
KJ274A	AMT IN PENS ACCOUNT- TYPE B PART- MIN -1
KJ274B	AMT IN PENSION ACCT- TYPE B PART- MIN -2
KJ274C	AMT IN PENS ACCOUNT- TYPE B PART- MIN -3
KJ274D	AMT IN PENS ACCOUNT- TYPE B PART- MIN -4
KJ275A	AMT IN PENS ACCOUNT- TYPE B PART- MAX -1
KJ275B	AMT IN PENS ACCOUNT- TYPE B PART- MAX -2
KJ275C	AMT IN PENS ACCOUNT- TYPE B PART- MAX -3
KJ275D	AMT IN PENS ACCOUNT- TYPE B PART- MAX -4
KJ307A	AMT IN PENSION ACCOUNT- TYPE B ONLY -1
KJ307B	AMT IN PENSION ACCOUNT- TYPE B ONLY -2
KJ307C	AMT IN PENSION ACCOUNT- TYPE B ONLY -3
KJ307D	AMT IN PENSION ACCOUNT- TYPE B ONLY -4
KJ308A	AMT IN PENSION ACCOUNT- B ONLY- MIN -1
KJ308B	AMT IN PENSION ACCOUNT- B ONLY- MIN -2
KJ308C	AMT IN PENSION ACCOUNT- B ONLY- MIN -3
KJ308D	AMT IN PENSION ACCOUNT- B ONLY- MIN -4
KJ309A	AMT IN PENSION ACCOUNT- B ONLY- MAX -1
KJ309B	AMT IN PENSION ACCOUNT- B ONLY- MAX -2
KJ309C	AMT IN PENSION ACCOUNT- B ONLY- MAX -3
KJ309D	AMT IN PENSION ACCOUNT- B ONLY- MAX -4
HRS 2008:	
LJ338_1	PENSION PLAN TYPE- 1
LJ338_2	PENSION PLAN TYPE- 2
LJ338_3	PENSION PLAN TYPE- 3
LJ338_4	PENSION PLAN TYPE- 4
LJ413_1	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-1
LJ413_2	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-2
LJ413_3	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-3
LJ413_4	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-4
LJ414_1	AMOUNT CURRENTLY IN ACCOUNT-MIN-1
LJ414_2	AMOUNT CURRENTLY IN ACCOUNT-MIN-2
LJ414_3	AMOUNT CURRENTLY IN ACCOUNT-MIN-3
LJ414_4	AMOUNT CURRENTLY IN ACCOUNT-MIN-4
LJ415_1	AMOUNT CURRENTLY IN ACCOUNT-MAX-1
LJ415_2	AMOUNT CURRENTLY IN ACCOUNT-MAX-2
LJ415_3	AMOUNT CURRENTLY IN ACCOUNT-MAX-3
LJ415_4	AMOUNT CURRENTLY IN ACCOUNT-MAX-4
HRS 2010:	
MJ338_1	PENSION PLAN TYPE- 1
MJ338_2	PENSION PLAN TYPE- 2
MJ338_3	PENSION PLAN TYPE- 3
MJ338_4	PENSION PLAN TYPE- 4
MJ413_1	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-1
MJ413_2	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-2
MJ413_3	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-3
MJ413_4	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-4
MJ414_1	AMOUNT CURRENTLY IN ACCOUNT-MIN-1
MJ414_2	AMOUNT CURRENTLY IN ACCOUNT-MIN-2

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    MJ414_3         AMOUNT CURRENTLY IN ACCOUNT-MIN-3
    MJ414_4         AMOUNT CURRENTLY IN ACCOUNT-MIN-4
    MJ415_1         AMOUNT CURRENTLY IN ACCOUNT-MAX-1
    MJ415_2         AMOUNT CURRENTLY IN ACCOUNT-MAX-2
    MJ415_3         AMOUNT CURRENTLY IN ACCOUNT-MAX-3
    MJ415_4         AMOUNT CURRENTLY IN ACCOUNT-MAX-4
HRS 2004-2006:
    xJ338A          PENSION PLAN TYPE- 1
    xJ338B          PENSION PLAN TYPE- 2
    xJ338C          PENSION PLAN TYPE- 3
    xJ338D          PENSION PLAN TYPE- 4
    xJ339A          AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-1
    xJ339B          AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-2
    xJ339C          AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-3
    xJ339D          AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-4
    xJ340A          AMOUNT IN ACCOUNT PRESENTLY- MIN-1
    xJ340B          AMOUNT IN ACCOUNT PRESENTLY- MIN-2
    xJ340C          AMOUNT IN ACCOUNT PRESENTLY- MIN-3
    xJ340D          AMOUNT IN ACCOUNT PRESENTLY- MIN-4
    xJ341A          AMOUNT IN ACCOUNT PRESENTLY- MAX-1
    xJ341B          AMOUNT IN ACCOUNT PRESENTLY- MAX-2
    xJ341C          AMOUNT IN ACCOUNT PRESENTLY- MAX-3
    xJ341D          AMOUNT IN ACCOUNT PRESENTLY- MAX-4
    xJ413A          AMOUNT IN ACCOUNT PRESENTLY-PLAN B-1
    xJ413B          AMOUNT IN ACCOUNT PRESENTLY-PLAN B-2
    xJ413C          AMOUNT IN ACCOUNT PRESENTLY-PLAN B-3
    xJ413D          AMOUNT IN ACCOUNT PRESENTLY-PLAN B-4
    xJ414A          AMOUNT CURRENTLY IN ACCOUNT-MIN-1
    xJ414B          AMOUNT CURRENTLY IN ACCOUNT-MIN-2
    xJ414C          AMOUNT CURRENTLY IN ACCOUNT-MIN-3
    xJ414D          AMOUNT CURRENTLY IN ACCOUNT-MIN-4
    xJ415A          AMOUNT CURRENTLY IN ACCOUNT-MAX-1
    xJ415B          AMOUNT CURRENTLY IN ACCOUNT-MAX-2
    xJ415C          AMOUNT CURRENTLY IN ACCOUNT-MAX-3
    xJ415D          AMOUNT CURRENTLY IN ACCOUNT-MAX-4
HRS 2008-2010:
    xJ393_1         CERTAINTY ABOUT THE PLAN NAME-BRIEF -1
    xJ393_2         CERTAINTY ABOUT THE PLAN NAME-BRIEF -2
    xJ393_3         CERTAINTY ABOUT THE PLAN NAME-BRIEF -3
    xJ393_4         CERTAINTY ABOUT THE PLAN NAME-BRIEF -4
    xJ863_1         CERTAINTY ABOUT TYPE OF PLAN -1
    xJ863_2         CERTAINTY ABOUT TYPE OF PLAN -2
    xJ863_3         CERTAINTY ABOUT TYPE OF PLAN -3
    xJ863_4         CERTAINTY ABOUT TYPE OF PLAN -4
HRS 2012-2018:
    xJ2338_10       PENSION PLAN TYPE-DB OR DC -1_10
    xJ2W009_10      AMOUNT IN PENSION NOW -1_10
    xJ2W010_10      AMOUNT IN PENSION NOW - MIN -1_10
    xJ2W011_10      AMOUNT IN PENSION NOW - MAX -1_10
HRS 2012-2022:
    xJ2338_1        PENSION PLAN TYPE-DB OR DC -1_1
    xJ2338_2        PENSION PLAN TYPE-DB OR DC -1_2
    xJ2338_3        PENSION PLAN TYPE-DB OR DC -1_3
    xJ2338_4        PENSION PLAN TYPE-DB OR DC -1_4
    xJ2338_5        PENSION PLAN TYPE-DB OR DC -1_5
    xJ2338_6        PENSION PLAN TYPE-DB OR DC -1_6
    xJ2338_7        PENSION PLAN TYPE-DB OR DC -1_7
    xJ2338_8        PENSION PLAN TYPE-DB OR DC -1_8
    xJ2338_9        PENSION PLAN TYPE-DB OR DC -1_9
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    xJ2W009_1       AMOUNT IN PENSION NOW -1_1
    xJ2W009_2       AMOUNT IN PENSION NOW -1_2
    xJ2W009_3       AMOUNT IN PENSION NOW -1_3
    xJ2W009_4       AMOUNT IN PENSION NOW -1_4
    xJ2W009_5       AMOUNT IN PENSION NOW -1_5
    xJ2W009_6       AMOUNT IN PENSION NOW -1_6
    xJ2W009_7       AMOUNT IN PENSION NOW -1_7
    xJ2W009_8       AMOUNT IN PENSION NOW -1_8
    xJ2W009_9       AMOUNT IN PENSION NOW -1_9
    xJ2W010_1       AMOUNT IN PENSION NOW - MIN -1_1
    xJ2W010_2       AMOUNT IN PENSION NOW - MIN -1_2
    xJ2W010_3       AMOUNT IN PENSION NOW - MIN -1_3
    xJ2W010_4       AMOUNT IN PENSION NOW - MIN -1_4
    xJ2W010_5       AMOUNT IN PENSION NOW - MIN -1_5
    xJ2W010_6       AMOUNT IN PENSION NOW - MIN -1_6
    xJ2W010_7       AMOUNT IN PENSION NOW - MIN -1_7
    xJ2W010_8       AMOUNT IN PENSION NOW - MIN -1_8
    xJ2W010_9       AMOUNT IN PENSION NOW - MIN -1_9
    xJ2W011_1       AMOUNT IN PENSION NOW - MAX -1_1
    xJ2W011_2       AMOUNT IN PENSION NOW - MAX -1_2
    xJ2W011_3       AMOUNT IN PENSION NOW - MAX -1_3
    xJ2W011_4       AMOUNT IN PENSION NOW - MAX -1_4
    xJ2W011_5       AMOUNT IN PENSION NOW - MAX -1_5
    xJ2W011_6       AMOUNT IN PENSION NOW - MAX -1_6
    xJ2W011_7       AMOUNT IN PENSION NOW - MAX -1_7
    xJ2W011_8       AMOUNT IN PENSION NOW - MAX -1_8
    xJ2W011_9       AMOUNT IN PENSION NOW - MAX -1_9
HRS 2014-2018:
    xJ2Z140_10      PREV WAVE OLD PENSION TYPE_10
HRS 2014-2022:
    xJ2Z140_1       PREV WAVE OLD PENSION TYPE_1
    xJ2Z140_2       PREV WAVE OLD PENSION TYPE_2
    xJ2Z140_3       PREV WAVE OLD PENSION TYPE_3
    xJ2Z140_4       PREV WAVE OLD PENSION TYPE_4
    xJ2Z140_5       PREV WAVE OLD PENSION TYPE_5
    xJ2Z140_6       PREV WAVE OLD PENSION TYPE_6
    xJ2Z140_7       PREV WAVE OLD PENSION TYPE_7
    xJ2Z140_8       PREV WAVE OLD PENSION TYPE_8
    xJ2Z140_9       PREV WAVE OLD PENSION TYPE_9
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Employer's annual contribution to Respondent's DC plan

Wave	Variable	Label	Type
1	R1DCBENE1	R1DCBENE1:W1 Employer contribution to DC plan #1	Cont
2	R2DCBENE1	R2DCBENE1:W2 Employer contribution to DC plan #1	Cont
3	R3DCBENE1	R3DCBENE1:W3 Employer contribution to DC plan #1	Cont
4	R4DCBENE1	R4DCBENE1:W4 Employer contribution to DC plan #1	Cont
5	R5DCBENE1	R5DCBENE1:W5 Employer contribution to DC plan #1	Cont
6	R6DCBENE1	R6DCBENE1:W6 Employer contribution to DC plan #1	Cont
7	R7DCBENE1	R7DCBENE1:W7 Employer contribution to DC plan #1	Cont
8	R8DCBENE1	R8DCBENE1:W8 Employer contribution to DC plan #1	Cont
9	R9DCBENE1	R9DCBENE1:W9 Employer contribution to DC plan #1	Cont
10	R10DCBENE1	R10DCBENE1:W10 Employer contribution to DC plan #1	Cont
11	R11DCBENE1	R11DCBENE1:W11 Employer contribution to DC plan #1	Cont
12	R12DCBENE1	R12DCBENE1:W12 Employer contribution to DC plan #1	Cont
13	R13DCBENE1	R13DCBENE1:W13 Employer contribution to DC plan #1	Cont
14	R14DCBENE1	R14DCBENE1:W14 Employer contribution to DC plan #1	Cont
15	R15DCBENE1	R15DCBENE1:W15 Employer contribution to DC plan #1	Cont
16	R16DCBENE1	R16DCBENE1:W16 Employer contribution to DC plan #1	Cont
1	S1DCBENE1	S1DCBENE1:W1 Employer contribution to DC plan #1	Cont
2	S2DCBENE1	S2DCBENE1:W2 Employer contribution to DC plan #1	Cont
3	S3DCBENE1	S3DCBENE1:W3 Employer contribution to DC plan #1	Cont
4	S4DCBENE1	S4DCBENE1:W4 Employer contribution to DC plan #1	Cont
5	S5DCBENE1	S5DCBENE1:W5 Employer contribution to DC plan #1	Cont
6	S6DCBENE1	S6DCBENE1:W6 Employer contribution to DC plan #1	Cont
7	S7DCBENE1	S7DCBENE1:W7 Employer contribution to DC plan #1	Cont
8	S8DCBENE1	S8DCBENE1:W8 Employer contribution to DC plan #1	Cont
9	S9DCBENE1	S9DCBENE1:W9 Employer contribution to DC plan #1	Cont
10	S10DCBENE1	S10DCBENE1:W10 Employer contribution to DC plan #1	Cont
11	S11DCBENE1	S11DCBENE1:W11 Employer contribution to DC plan #1	Cont
12	S12DCBENE1	S12DCBENE1:W12 Employer contribution to DC plan #1	Cont
13	S13DCBENE1	S13DCBENE1:W13 Employer contribution to DC plan #1	Cont
14	S14DCBENE1	S14DCBENE1:W14 Employer contribution to DC plan #1	Cont
15	S15DCBENE1	S15DCBENE1:W15 Employer contribution to DC plan #1	Cont
16	S16DCBENE1	S16DCBENE1:W16 Employer contribution to DC plan #1	Cont
1	R1DCBENE2	R1DCBENE2:W1 Employer contribution to DC plan #2	Cont
2	R2DCBENE2	R2DCBENE2:W2 Employer contribution to DC plan #2	Cont
3	R3DCBENE2	R3DCBENE2:W3 Employer contribution to DC plan #2	Cont
4	R4DCBENE2	R4DCBENE2:W4 Employer contribution to DC plan #2	Cont
5	R5DCBENE2	R5DCBENE2:W5 Employer contribution to DC plan #2	Cont
6	R6DCBENE2	R6DCBENE2:W6 Employer contribution to DC plan #2	Cont
7	R7DCBENE2	R7DCBENE2:W7 Employer contribution to DC plan #2	Cont
8	R8DCBENE2	R8DCBENE2:W8 Employer contribution to DC plan #2	Cont
9	R9DCBENE2	R9DCBENE2:W9 Employer contribution to DC plan #2	Cont
10	R10DCBENE2	R10DCBENE2:W10 Employer contribution to DC plan #2	Cont
11	R11DCBENE2	R11DCBENE2:W11 Employer contribution to DC plan #2	Cont
12	R12DCBENE2	R12DCBENE2:W12 Employer contribution to DC plan #2	Cont
13	R13DCBENE2	R13DCBENE2:W13 Employer contribution to DC plan #2	Cont
14	R14DCBENE2	R14DCBENE2:W14 Employer contribution to DC plan #2	Cont
15	R15DCBENE2	R15DCBENE2:W15 Employer contribution to DC plan #2	Cont
16	R16DCBENE2	R16DCBENE2:W16 Employer contribution to DC plan #2	Cont
1	S1DCBENE2	S1DCBENE2:W1 Employer contribution to DC plan #2	Cont
2	S2DCBENE2	S2DCBENE2:W2 Employer contribution to DC plan #2	Cont
3	S3DCBENE2	S3DCBENE2:W3 Employer contribution to DC plan #2	Cont
4	S4DCBENE2	S4DCBENE2:W4 Employer contribution to DC plan #2	Cont
5	S5DCBENE2	S5DCBENE2:W5 Employer contribution to DC plan #2	Cont
6	S6DCBENE2	S6DCBENE2:W6 Employer contribution to DC plan #2	Cont
7	S7DCBENE2	S7DCBENE2:W7 Employer contribution to DC plan #2	Cont
8	S8DCBENE2	S8DCBENE2:W8 Employer contribution to DC plan #2	Cont
9	S9DCBENE2	S9DCBENE2:W9 Employer contribution to DC plan #2	Cont
10	S10DCBENE2	S10DCBENE2:W10 Employer contribution to DC plan #2	Cont
11	S11DCBENE2	S11DCBENE2:W11 Employer contribution to DC plan #2	Cont
12	S12DCBENE2	S12DCBENE2:W12 Employer contribution to DC plan #2	Cont
13	S13DCBENE2	S13DCBENE2:W13 Employer contribution to DC plan #2	Cont
14	S14DCBENE2	S14DCBENE2:W14 Employer contribution to DC plan #2	Cont
15	S15DCBENE2	S15DCBENE2:W15 Employer contribution to DC plan #2	Cont

16	S16DCBENE2	S16DCBENE2:W16 Employer contribution to DC plan #2	Cont
1	R1DCBENE3	R1DCBENE3:W1 Employer contribution to DC plan #3	Cont
2	R2DCBENE3	R2DCBENE3:W2 Employer contribution to DC plan #3	Cont
3	R3DCBENE3	R3DCBENE3:W3 Employer contribution to DC plan #3	Cont
4	R4DCBENE3	R4DCBENE3:W4 Employer contribution to DC plan #3	Cont
5	R5DCBENE3	R5DCBENE3:W5 Employer contribution to DC plan #3	Cont
6	R6DCBENE3	R6DCBENE3:W6 Employer contribution to DC plan #3	Cont
7	R7DCBENE3	R7DCBENE3:W7 Employer contribution to DC plan #3	Cont
8	R8DCBENE3	R8DCBENE3:W8 Employer contribution to DC plan #3	Cont
9	R9DCBENE3	R9DCBENE3:W9 Employer contribution to DC plan #3	Cont
10	R10DCBENE3	R10DCBENE3:W10 Employer contribution to DC plan #3	Cont
11	R11DCBENE3	R11DCBENE3:W11 Employer contribution to DC plan #3	Cont
12	R12DCBENE3	R12DCBENE3:W12 Employer contribution to DC plan #3	Cont
13	R13DCBENE3	R13DCBENE3:W13 Employer contribution to DC plan #3	Cont
14	R14DCBENE3	R14DCBENE3:W14 Employer contribution to DC plan #3	Cont
15	R15DCBENE3	R15DCBENE3:W15 Employer contribution to DC plan #3	Cont
16	R16DCBENE3	R16DCBENE3:W16 Employer contribution to DC plan #3	Cont
1	S1DCBENE3	S1DCBENE3:W1 Employer contribution to DC plan #3	Cont
2	S2DCBENE3	S2DCBENE3:W2 Employer contribution to DC plan #3	Cont
3	S3DCBENE3	S3DCBENE3:W3 Employer contribution to DC plan #3	Cont
4	S4DCBENE3	S4DCBENE3:W4 Employer contribution to DC plan #3	Cont
5	S5DCBENE3	S5DCBENE3:W5 Employer contribution to DC plan #3	Cont
6	S6DCBENE3	S6DCBENE3:W6 Employer contribution to DC plan #3	Cont
7	S7DCBENE3	S7DCBENE3:W7 Employer contribution to DC plan #3	Cont
8	S8DCBENE3	S8DCBENE3:W8 Employer contribution to DC plan #3	Cont
9	S9DCBENE3	S9DCBENE3:W9 Employer contribution to DC plan #3	Cont
10	S10DCBENE3	S10DCBENE3:W10 Employer contribution to DC plan #3	Cont
11	S11DCBENE3	S11DCBENE3:W11 Employer contribution to DC plan #3	Cont
12	S12DCBENE3	S12DCBENE3:W12 Employer contribution to DC plan #3	Cont
13	S13DCBENE3	S13DCBENE3:W13 Employer contribution to DC plan #3	Cont
14	S14DCBENE3	S14DCBENE3:W14 Employer contribution to DC plan #3	Cont
15	S15DCBENE3	S15DCBENE3:W15 Employer contribution to DC plan #3	Cont
16	S16DCBENE3	S16DCBENE3:W16 Employer contribution to DC plan #3	Cont
5	R5DCBENE4	R5DCBENE4:W5 Employer contribution to DC plan #4	Cont
6	R6DCBENE4	R6DCBENE4:W6 Employer contribution to DC plan #4	Cont
7	R7DCBENE4	R7DCBENE4:W7 Employer contribution to DC plan #4	Cont
8	R8DCBENE4	R8DCBENE4:W8 Employer contribution to DC plan #4	Cont
9	R9DCBENE4	R9DCBENE4:W9 Employer contribution to DC plan #4	Cont
10	R10DCBENE4	R10DCBENE4:W10 Employer contribution to DC plan #4	Cont
11	R11DCBENE4	R11DCBENE4:W11 Employer contribution to DC plan #4	Cont
12	R12DCBENE4	R12DCBENE4:W12 Employer contribution to DC plan #4	Cont
13	R13DCBENE4	R13DCBENE4:W13 Employer contribution to DC plan #4	Cont
14	R14DCBENE4	R14DCBENE4:W14 Employer contribution to DC plan #4	Cont
15	R15DCBENE4	R15DCBENE4:W15 Employer contribution to DC plan #4	Cont
16	R16DCBENE4	R16DCBENE4:W16 Employer contribution to DC plan #4	Cont
5	S5DCBENE4	S5DCBENE4:W5 Employer contribution to DC plan #4	Cont
6	S6DCBENE4	S6DCBENE4:W6 Employer contribution to DC plan #4	Cont
7	S7DCBENE4	S7DCBENE4:W7 Employer contribution to DC plan #4	Cont
8	S8DCBENE4	S8DCBENE4:W8 Employer contribution to DC plan #4	Cont
9	S9DCBENE4	S9DCBENE4:W9 Employer contribution to DC plan #4	Cont
10	S10DCBENE4	S10DCBENE4:W10 Employer contribution to DC plan #4	Cont
11	S11DCBENE4	S11DCBENE4:W11 Employer contribution to DC plan #4	Cont
12	S12DCBENE4	S12DCBENE4:W12 Employer contribution to DC plan #4	Cont
13	S13DCBENE4	S13DCBENE4:W13 Employer contribution to DC plan #4	Cont
14	S14DCBENE4	S14DCBENE4:W14 Employer contribution to DC plan #4	Cont
15	S15DCBENE4	S15DCBENE4:W15 Employer contribution to DC plan #4	Cont
16	S16DCBENE4	S16DCBENE4:W16 Employer contribution to DC plan #4	Cont
1	R1DCMODE1	R1DCMODE1:W1 Employer contribution: $ or % #1	Categ
2	R2DCMODE1	R2DCMODE1:W2 Employer contribution: $ or % #1	Categ
3	R3DCMODE1	R3DCMODE1:W3 Employer contribution: $ or % #1	Categ
4	R4DCMODE1	R4DCMODE1:W4 Employer contribution: $ or % #1	Categ
5	R5DCMODE1	R5DCMODE1:W5 Employer contribution: $ or % #1	Categ
6	R6DCMODE1	R6DCMODE1:W6 Employer contribution: $ or % #1	Categ
7	R7DCMODE1	R7DCMODE1:W7 Employer contribution: $ or % #1	Categ
8	R8DCMODE1	R8DCMODE1:W8 Employer contribution: $ or % #1	Categ
9	R9DCMODE1	R9DCMODE1:W9 Employer contribution: $ or % #1	Categ
10	R10DCMODE1	R10DCMODE1:W10 Employer contribution: $ or % #1	Categ

11	R11DCMODE1	R11DCMODE1:W11 Employer contribution: $ or % #1	Categ
12	R12DCMODE1	R12DCMODE1:W12 Employer contribution: $ or % #1	Categ
13	R13DCMODE1	R13DCMODE1:W13 Employer contribution: $ or % #1	Categ
14	R14DCMODE1	R14DCMODE1:W14 Employer contribution: $ or % #1	Categ
15	R15DCMODE1	R15DCMODE1:W15 Employer contribution: $ or % #1	Categ
16	R16DCMODE1	R16DCMODE1:W16 Employer contribution: $ or % #1	Categ
1	S1DCMODE1	S1DCMODE1:W1 Employer contribution: $ or % #1	Categ
2	S2DCMODE1	S2DCMODE1:W2 Employer contribution: $ or % #1	Categ
3	S3DCMODE1	S3DCMODE1:W3 Employer contribution: $ or % #1	Categ
4	S4DCMODE1	S4DCMODE1:W4 Employer contribution: $ or % #1	Categ
5	S5DCMODE1	S5DCMODE1:W5 Employer contribution: $ or % #1	Categ
6	S6DCMODE1	S6DCMODE1:W6 Employer contribution: $ or % #1	Categ
7	S7DCMODE1	S7DCMODE1:W7 Employer contribution: $ or % #1	Categ
8	S8DCMODE1	S8DCMODE1:W8 Employer contribution: $ or % #1	Categ
9	S9DCMODE1	S9DCMODE1:W9 Employer contribution: $ or % #1	Categ
10	S10DCMODE1	S10DCMODE1:W10 Employer contribution: $ or % #1	Categ
11	S11DCMODE1	S11DCMODE1:W11 Employer contribution: $ or % #1	Categ
12	S12DCMODE1	S12DCMODE1:W12 Employer contribution: $ or % #1	Categ
13	S13DCMODE1	S13DCMODE1:W13 Employer contribution: $ or % #1	Categ
14	S14DCMODE1	S14DCMODE1:W14 Employer contribution: $ or % #1	Categ
15	S15DCMODE1	S15DCMODE1:W15 Employer contribution: $ or % #1	Categ
16	S16DCMODE1	S16DCMODE1:W16 Employer contribution: $ or % #1	Categ
1	R1DCMODE2	R1DCMODE2:W1 Employer contribution: $ or % #2	Categ
2	R2DCMODE2	R2DCMODE2:W2 Employer contribution: $ or % #2	Categ
3	R3DCMODE2	R3DCMODE2:W3 Employer contribution: $ or % #2	Categ
4	R4DCMODE2	R4DCMODE2:W4 Employer contribution: $ or % #2	Categ
5	R5DCMODE2	R5DCMODE2:W5 Employer contribution: $ or % #2	Categ
6	R6DCMODE2	R6DCMODE2:W6 Employer contribution: $ or % #2	Categ
7	R7DCMODE2	R7DCMODE2:W7 Employer contribution: $ or % #2	Categ
8	R8DCMODE2	R8DCMODE2:W8 Employer contribution: $ or % #2	Categ
9	R9DCMODE2	R9DCMODE2:W9 Employer contribution: $ or % #2	Categ
10	R10DCMODE2	R10DCMODE2:W10 Employer contribution: $ or % #2	Categ
11	R11DCMODE2	R11DCMODE2:W11 Employer contribution: $ or % #2	Categ
12	R12DCMODE2	R12DCMODE2:W12 Employer contribution: $ or % #2	Categ
13	R13DCMODE2	R13DCMODE2:W13 Employer contribution: $ or % #2	Categ
14	R14DCMODE2	R14DCMODE2:W14 Employer contribution: $ or % #2	Categ
15	R15DCMODE2	R15DCMODE2:W15 Employer contribution: $ or % #2	Categ
16	R16DCMODE2	R16DCMODE2:W16 Employer contribution: $ or % #2	Categ
1	S1DCMODE2	S1DCMODE2:W1 Employer contribution: $ or % #2	Categ
2	S2DCMODE2	S2DCMODE2:W2 Employer contribution: $ or % #2	Categ
3	S3DCMODE2	S3DCMODE2:W3 Employer contribution: $ or % #2	Categ
4	S4DCMODE2	S4DCMODE2:W4 Employer contribution: $ or % #2	Categ
5	S5DCMODE2	S5DCMODE2:W5 Employer contribution: $ or % #2	Categ
6	S6DCMODE2	S6DCMODE2:W6 Employer contribution: $ or % #2	Categ
7	S7DCMODE2	S7DCMODE2:W7 Employer contribution: $ or % #2	Categ
8	S8DCMODE2	S8DCMODE2:W8 Employer contribution: $ or % #2	Categ
9	S9DCMODE2	S9DCMODE2:W9 Employer contribution: $ or % #2	Categ
10	S10DCMODE2	S10DCMODE2:W10 Employer contribution: $ or % #2	Categ
11	S11DCMODE2	S11DCMODE2:W11 Employer contribution: $ or % #2	Categ
12	S12DCMODE2	S12DCMODE2:W12 Employer contribution: $ or % #2	Categ
13	S13DCMODE2	S13DCMODE2:W13 Employer contribution: $ or % #2	Categ
14	S14DCMODE2	S14DCMODE2:W14 Employer contribution: $ or % #2	Categ
15	S15DCMODE2	S15DCMODE2:W15 Employer contribution: $ or % #2	Categ
16	S16DCMODE2	S16DCMODE2:W16 Employer contribution: $ or % #2	Categ
1	R1DCMODE3	R1DCMODE3:W1 Employer contribution: $ or % #3	Categ
2	R2DCMODE3	R2DCMODE3:W2 Employer contribution: $ or % #3	Categ
3	R3DCMODE3	R3DCMODE3:W3 Employer contribution: $ or % #3	Categ
4	R4DCMODE3	R4DCMODE3:W4 Employer contribution: $ or % #3	Categ
5	R5DCMODE3	R5DCMODE3:W5 Employer contribution: $ or % #3	Categ
6	R6DCMODE3	R6DCMODE3:W6 Employer contribution: $ or % #3	Categ
7	R7DCMODE3	R7DCMODE3:W7 Employer contribution: $ or % #3	Categ
8	R8DCMODE3	R8DCMODE3:W8 Employer contribution: $ or % #3	Categ
9	R9DCMODE3	R9DCMODE3:W9 Employer contribution: $ or % #3	Categ
10	R10DCMODE3	R10DCMODE3:W10 Employer contribution: $ or % #3	Categ
11	R11DCMODE3	R11DCMODE3:W11 Employer contribution: $ or % #3	Categ
12	R12DCMODE3	R12DCMODE3:W12 Employer contribution: $ or % #3	Categ
13	R13DCMODE3	R13DCMODE3:W13 Employer contribution: $ or % #3	Categ
14	R14DCMODE3	R14DCMODE3:W14 Employer contribution: $ or % #3	Categ

15	R15DCMODE3	R15DCMODE3:W15 Employer contribution: $ or % #3	Categ
16	R16DCMODE3	R16DCMODE3:W16 Employer contribution: $ or % #3	Categ
1	S1DCMODE3	S1DCMODE3:W1 Employer contribution: $ or % #3	Categ
2	S2DCMODE3	S2DCMODE3:W2 Employer contribution: $ or % #3	Categ
3	S3DCMODE3	S3DCMODE3:W3 Employer contribution: $ or % #3	Categ
4	S4DCMODE3	S4DCMODE3:W4 Employer contribution: $ or % #3	Categ
5	S5DCMODE3	S5DCMODE3:W5 Employer contribution: $ or % #3	Categ
6	S6DCMODE3	S6DCMODE3:W6 Employer contribution: $ or % #3	Categ
7	S7DCMODE3	S7DCMODE3:W7 Employer contribution: $ or % #3	Categ
8	S8DCMODE3	S8DCMODE3:W8 Employer contribution: $ or % #3	Categ
9	S9DCMODE3	S9DCMODE3:W9 Employer contribution: $ or % #3	Categ
10	S10DCMODE3	S10DCMODE3:W10 Employer contribution: $ or % #3	Categ
11	S11DCMODE3	S11DCMODE3:W11 Employer contribution: $ or % #3	Categ
12	S12DCMODE3	S12DCMODE3:W12 Employer contribution: $ or % #3	Categ
13	S13DCMODE3	S13DCMODE3:W13 Employer contribution: $ or % #3	Categ
14	S14DCMODE3	S14DCMODE3:W14 Employer contribution: $ or % #3	Categ
15	S15DCMODE3	S15DCMODE3:W15 Employer contribution: $ or % #3	Categ
16	S16DCMODE3	S16DCMODE3:W16 Employer contribution: $ or % #3	Categ
5	R5DCMODE4	R5DCMODE4:W5 Employer contribution: $ or % #4	Categ
6	R6DCMODE4	R6DCMODE4:W6 Employer contribution: $ or % #4	Categ
7	R7DCMODE4	R7DCMODE4:W7 Employer contribution: $ or % #4	Categ
8	R8DCMODE4	R8DCMODE4:W8 Employer contribution: $ or % #4	Categ
9	R9DCMODE4	R9DCMODE4:W9 Employer contribution: $ or % #4	Categ
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11	R11DCMODE4	R11DCMODE4:W11 Employer contribution: $ or % #4	Categ
12	R12DCMODE4	R12DCMODE4:W12 Employer contribution: $ or % #4	Categ
13	R13DCMODE4	R13DCMODE4:W13 Employer contribution: $ or % #4	Categ
14	R14DCMODE4	R14DCMODE4:W14 Employer contribution: $ or % #4	Categ
15	R15DCMODE4	R15DCMODE4:W15 Employer contribution: $ or % #4	Categ
16	R16DCMODE4	R16DCMODE4:W16 Employer contribution: $ or % #4	Categ
5	S5DCMODE4	S5DCMODE4:W5 Employer contribution: $ or % #4	Categ
6	S6DCMODE4	S6DCMODE4:W6 Employer contribution: $ or % #4	Categ
7	S7DCMODE4	S7DCMODE4:W7 Employer contribution: $ or % #4	Categ
8	S8DCMODE4	S8DCMODE4:W8 Employer contribution: $ or % #4	Categ
9	S9DCMODE4	S9DCMODE4:W9 Employer contribution: $ or % #4	Categ
10	S10DCMODE4	S10DCMODE4:W10 Employer contribution: $ or % #4	Categ
11	S11DCMODE4	S11DCMODE4:W11 Employer contribution: $ or % #4	Categ
12	S12DCMODE4	S12DCMODE4:W12 Employer contribution: $ or % #4	Categ
13	S13DCMODE4	S13DCMODE4:W13 Employer contribution: $ or % #4	Categ
14	S14DCMODE4	S14DCMODE4:W14 Employer contribution: $ or % #4	Categ
15	S15DCMODE4	S15DCMODE4:W15 Employer contribution: $ or % #4	Categ
16	S16DCMODE4	S16DCMODE4:W16 Employer contribution: $ or % #4	Categ
1	R1DCPCT1	R1DCPCT1:W1 Employer % contribution #1	Cont
2	R2DCPCT1	R2DCPCT1:W2 Employer % contribution #1	Cont
3	R3DCPCT1	R3DCPCT1:W3 Employer % contribution #1	Cont
4	R4DCPCT1	R4DCPCT1:W4 Employer % contribution #1	Cont
5	R5DCPCT1	R5DCPCT1:W5 Employer % contribution #1	Cont
6	R6DCPCT1	R6DCPCT1:W6 Employer % contribution #1	Cont
7	R7DCPCT1	R7DCPCT1:W7 Employer % contribution #1	Cont
8	R8DCPCT1	R8DCPCT1:W8 Employer % contribution #1	Cont
9	R9DCPCT1	R9DCPCT1:W9 Employer % contribution #1	Cont
10	R10DCPCT1	R10DCPCT1:W10 Employer % contribution #1	Cont
11	R11DCPCT1	R11DCPCT1:W11 Employer % contribution #1	Cont
12	R12DCPCT1	R12DCPCT1:W12 Employer % contribution #1	Cont
13	R13DCPCT1	R13DCPCT1:W13 Employer % contribution #1	Cont
14	R14DCPCT1	R14DCPCT1:W14 Employer % contribution #1	Cont
15	R15DCPCT1	R15DCPCT1:W15 Employer % contribution #1	Cont
16	R16DCPCT1	R16DCPCT1:W16 Employer % contribution #1	Cont
1	S1DCPCT1	S1DCPCT1:W1 Employer % contribution #1	Cont
2	S2DCPCT1	S2DCPCT1:W2 Employer % contribution #1	Cont
3	S3DCPCT1	S3DCPCT1:W3 Employer % contribution #1	Cont
4	S4DCPCT1	S4DCPCT1:W4 Employer % contribution #1	Cont
5	S5DCPCT1	S5DCPCT1:W5 Employer % contribution #1	Cont
6	S6DCPCT1	S6DCPCT1:W6 Employer % contribution #1	Cont
7	S7DCPCT1	S7DCPCT1:W7 Employer % contribution #1	Cont
8	S8DCPCT1	S8DCPCT1:W8 Employer % contribution #1	Cont
9	S9DCPCT1	S9DCPCT1:W9 Employer % contribution #1	Cont

10	S10DCPCT1	S10DCPCT1:W10 Employer % contribution #1	Cont
11	S11DCPCT1	S11DCPCT1:W11 Employer % contribution #1	Cont
12	S12DCPCT1	S12DCPCT1:W12 Employer % contribution #1	Cont
13	S13DCPCT1	S13DCPCT1:W13 Employer % contribution #1	Cont
14	S14DCPCT1	S14DCPCT1:W14 Employer % contribution #1	Cont
15	S15DCPCT1	S15DCPCT1:W15 Employer % contribution #1	Cont
16	S16DCPCT1	S16DCPCT1:W16 Employer % contribution #1	Cont
1	R1DCPCT2	R1DCPCT2:W1 Employer % contribution #2	Cont
2	R2DCPCT2	R2DCPCT2:W2 Employer % contribution #2	Cont
3	R3DCPCT2	R3DCPCT2:W3 Employer % contribution #2	Cont
4	R4DCPCT2	R4DCPCT2:W4 Employer % contribution #2	Cont
5	R5DCPCT2	R5DCPCT2:W5 Employer % contribution #2	Cont
6	R6DCPCT2	R6DCPCT2:W6 Employer % contribution #2	Cont
7	R7DCPCT2	R7DCPCT2:W7 Employer % contribution #2	Cont
8	R8DCPCT2	R8DCPCT2:W8 Employer % contribution #2	Cont
9	R9DCPCT2	R9DCPCT2:W9 Employer % contribution #2	Cont
10	R10DCPCT2	R10DCPCT2:W10 Employer % contribution #2	Cont
11	R11DCPCT2	R11DCPCT2:W11 Employer % contribution #2	Cont
12	R12DCPCT2	R12DCPCT2:W12 Employer % contribution #2	Cont
13	R13DCPCT2	R13DCPCT2:W13 Employer % contribution #2	Cont
14	R14DCPCT2	R14DCPCT2:W14 Employer % contribution #2	Cont
15	R15DCPCT2	R15DCPCT2:W15 Employer % contribution #2	Cont
16	R16DCPCT2	R16DCPCT2:W16 Employer % contribution #2	Cont
1	S1DCPCT2	S1DCPCT2:W1 Employer % contribution #2	Cont
2	S2DCPCT2	S2DCPCT2:W2 Employer % contribution #2	Cont
3	S3DCPCT2	S3DCPCT2:W3 Employer % contribution #2	Cont
4	S4DCPCT2	S4DCPCT2:W4 Employer % contribution #2	Cont
5	S5DCPCT2	S5DCPCT2:W5 Employer % contribution #2	Cont
6	S6DCPCT2	S6DCPCT2:W6 Employer % contribution #2	Cont
7	S7DCPCT2	S7DCPCT2:W7 Employer % contribution #2	Cont
8	S8DCPCT2	S8DCPCT2:W8 Employer % contribution #2	Cont
9	S9DCPCT2	S9DCPCT2:W9 Employer % contribution #2	Cont
10	S10DCPCT2	S10DCPCT2:W10 Employer % contribution #2	Cont
11	S11DCPCT2	S11DCPCT2:W11 Employer % contribution #2	Cont
12	S12DCPCT2	S12DCPCT2:W12 Employer % contribution #2	Cont
13	S13DCPCT2	S13DCPCT2:W13 Employer % contribution #2	Cont
14	S14DCPCT2	S14DCPCT2:W14 Employer % contribution #2	Cont
15	S15DCPCT2	S15DCPCT2:W15 Employer % contribution #2	Cont
16	S16DCPCT2	S16DCPCT2:W16 Employer % contribution #2	Cont
1	R1DCPCT3	R1DCPCT3:W1 Employer % contribution #3	Cont
2	R2DCPCT3	R2DCPCT3:W2 Employer % contribution #3	Cont
3	R3DCPCT3	R3DCPCT3:W3 Employer % contribution #3	Cont
4	R4DCPCT3	R4DCPCT3:W4 Employer % contribution #3	Cont
5	R5DCPCT3	R5DCPCT3:W5 Employer % contribution #3	Cont
6	R6DCPCT3	R6DCPCT3:W6 Employer % contribution #3	Cont
7	R7DCPCT3	R7DCPCT3:W7 Employer % contribution #3	Cont
8	R8DCPCT3	R8DCPCT3:W8 Employer % contribution #3	Cont
9	R9DCPCT3	R9DCPCT3:W9 Employer % contribution #3	Cont
10	R10DCPCT3	R10DCPCT3:W10 Employer % contribution #3	Cont
11	R11DCPCT3	R11DCPCT3:W11 Employer % contribution #3	Cont
12	R12DCPCT3	R12DCPCT3:W12 Employer % contribution #3	Cont
13	R13DCPCT3	R13DCPCT3:W13 Employer % contribution #3	Cont
14	R14DCPCT3	R14DCPCT3:W14 Employer % contribution #3	Cont
15	R15DCPCT3	R15DCPCT3:W15 Employer % contribution #3	Cont
16	R16DCPCT3	R16DCPCT3:W16 Employer % contribution #3	Cont
1	S1DCPCT3	S1DCPCT3:W1 Employer % contribution #3	Cont
2	S2DCPCT3	S2DCPCT3:W2 Employer % contribution #3	Cont
3	S3DCPCT3	S3DCPCT3:W3 Employer % contribution #3	Cont
4	S4DCPCT3	S4DCPCT3:W4 Employer % contribution #3	Cont
5	S5DCPCT3	S5DCPCT3:W5 Employer % contribution #3	Cont
6	S6DCPCT3	S6DCPCT3:W6 Employer % contribution #3	Cont
7	S7DCPCT3	S7DCPCT3:W7 Employer % contribution #3	Cont
8	S8DCPCT3	S8DCPCT3:W8 Employer % contribution #3	Cont
9	S9DCPCT3	S9DCPCT3:W9 Employer % contribution #3	Cont
10	S10DCPCT3	S10DCPCT3:W10 Employer % contribution #3	Cont
11	S11DCPCT3	S11DCPCT3:W11 Employer % contribution #3	Cont
12	S12DCPCT3	S12DCPCT3:W12 Employer % contribution #3	Cont
13	S13DCPCT3	S13DCPCT3:W13 Employer % contribution #3	Cont

14	S14DCPCT3	S14DCPCT3:W14 Employer % contribution #3	Cont
15	S15DCPCT3	S15DCPCT3:W15 Employer % contribution #3	Cont
16	S16DCPCT3	S16DCPCT3:W16 Employer % contribution #3	Cont
5	R5DCPCT4	R5DCPCT4:W5 Employer % contribution #4	Cont
6	R6DCPCT4	R6DCPCT4:W6 Employer % contribution #4	Cont
7	R7DCPCT4	R7DCPCT4:W7 Employer % contribution #4	Cont
8	R8DCPCT4	R8DCPCT4:W8 Employer % contribution #4	Cont
9	R9DCPCT4	R9DCPCT4:W9 Employer % contribution #4	Cont
10	R10DCPCT4	R10DCPCT4:W10 Employer % contribution #4	Cont
11	R11DCPCT4	R11DCPCT4:W11 Employer % contribution #4	Cont
12	R12DCPCT4	R12DCPCT4:W12 Employer % contribution #4	Cont
13	R13DCPCT4	R13DCPCT4:W13 Employer % contribution #4	Cont
14	R14DCPCT4	R14DCPCT4:W14 Employer % contribution #4	Cont
15	R15DCPCT4	R15DCPCT4:W15 Employer % contribution #4	Cont
16	R16DCPCT4	R16DCPCT4:W16 Employer % contribution #4	Cont
5	S5DCPCT4	S5DCPCT4:W5 Employer % contribution #4	Cont
6	S6DCPCT4	S6DCPCT4:W6 Employer % contribution #4	Cont
7	S7DCPCT4	S7DCPCT4:W7 Employer % contribution #4	Cont
8	S8DCPCT4	S8DCPCT4:W8 Employer % contribution #4	Cont
9	S9DCPCT4	S9DCPCT4:W9 Employer % contribution #4	Cont
10	S10DCPCT4	S10DCPCT4:W10 Employer % contribution #4	Cont
11	S11DCPCT4	S11DCPCT4:W11 Employer % contribution #4	Cont
12	S12DCPCT4	S12DCPCT4:W12 Employer % contribution #4	Cont
13	S13DCPCT4	S13DCPCT4:W13 Employer % contribution #4	Cont
14	S14DCPCT4	S14DCPCT4:W14 Employer % contribution #4	Cont
15	S15DCPCT4	S15DCPCT4:W15 Employer % contribution #4	Cont
16	S16DCPCT4	S16DCPCT4:W16 Employer % contribution #4	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DCBENE1	952	3702.90	11655.67	0.0	237500.0
R2DCBENE1	291	8288.91	54857.88	0.0	888000.0
R3DCBENE1	318	2780.85	6201.46	0.0	78000.0
R4DCBENE1	619	4940.08	14673.53	0.0	300000.0
R5DCBENE1	440	3830.45	14991.92	0.0	250000.0
R6DCBENE1	329	4281.54	11365.14	0.0	150800.0
R7DCBENE1	1280	5324.57	18514.36	0.0	447200.0
R8DCBENE1	989	4415.81	15660.32	0.0	350000.0
R9DCBENE1	873	3275.34	5343.02	0.0	72000.0
R10DCBENE1	1319	3660.54	6208.14	0.0	92500.0
R11DCBENE1	1605	2466.32	6336.90	0.0	90000.0
R12DCBENE1	1630	2536.31	10926.48	0.0	400000.0
R13DCBENE1	1994	3043.45	10718.06	0.0	400000.0
R14DCBENE1	1616	3316.80	12710.37	0.0	400000.0
R15DCBENE1	1334	3350.99	14882.71	0.0	450000.0
R16DCBENE1	1274	4693.80	30446.98	0.0	936000.0
S1DCBENE1	766	3636.10	11455.29	0.0	237500.0
S2DCBENE1	228	8731.70	61353.57	0.0	888000.0
S3DCBENE1	250	2894.56	6588.22	0.0	78000.0
S4DCBENE1	489	5080.88	15922.44	0.0	300000.0
S5DCBENE1	331	4416.43	17164.28	0.0	250000.0
S6DCBENE1	267	4296.22	11736.64	0.0	150800.0
S7DCBENE1	1003	6079.66	20700.61	0.0	447200.0
S8DCBENE1	758	4844.01	17119.90	0.0	350000.0
S9DCBENE1	688	3355.66	5658.93	0.0	72000.0
S10DCBENE1	957	3662.93	5685.74	0.0	92500.0
S11DCBENE1	1201	2535.34	6640.35	0.0	90000.0

S12DCBENE1	1199	2718.24	12373.06	0.0	400000.0
S13DCBENE1	1350	3045.93	12143.40	0.0	400000.0
S14DCBENE1	1067	3722.12	15333.32	0.0	400000.0
S15DCBENE1	862	3546.83	16816.49	0.0	450000.0
S16DCBENE1	733	5522.38	39496.81	0.0	936000.0
R1DCBENE2	809	2705.45	8766.71	0.0	149552.0
R2DCBENE2	83	3891.71	11705.81	0.0	80000.0
R3DCBENE2	107	2564.12	6224.84	0.0	34200.0
R4DCBENE2	295	3184.02	10589.94	0.0	98000.0
R5DCBENE2	115	2238.06	4628.12	0.0	31265.0
R6DCBENE2	88	3885.10	9853.56	0.0	70000.0
R7DCBENE2	544	3885.53	12390.40	0.0	135000.0
R8DCBENE2	304	2743.65	6939.66	0.0	60000.0
R9DCBENE2	180	3509.10	6305.20	0.0	72000.0
R10DCBENE2	282	6285.07	23623.74	0.0	300000.0
R11DCBENE2	408	2536.54	5623.17	0.0	81000.0
R12DCBENE2	425	4178.74	24544.66	0.0	488800.0
R13DCBENE2	431	2429.30	3638.43	0.0	25500.0
R14DCBENE2	273	3435.76	6233.99	0.0	56550.0
R15DCBENE2	241	4350.05	17353.63	0.0	260000.0
R16DCBENE2	237	3139.88	5069.54	0.0	40000.0
S1DCBENE2	657	2972.41	9463.67	0.0	149552.0
S2DCBENE2	67	3185.53	8712.14	0.0	50000.0
S3DCBENE2	91	2859.82	6645.72	0.0	34200.0
S4DCBENE2	237	3669.53	11712.91	0.0	98000.0
S5DCBENE2	86	2206.37	4891.38	0.0	31265.0
S6DCBENE2	70	3883.39	10440.86	0.0	70000.0
S7DCBENE2	416	4254.29	13716.80	0.0	135000.0
S8DCBENE2	228	3177.16	7865.13	0.0	60000.0
S9DCBENE2	152	3525.24	6605.70	0.0	72000.0
S10DCBENE2	209	6891.31	27045.62	0.0	300000.0
S11DCBENE2	297	2603.05	5946.07	0.0	81000.0
S12DCBENE2	309	4934.20	28406.82	0.0	488800.0
S13DCBENE2	305	2772.34	3854.55	0.0	25500.0
S14DCBENE2	177	4053.74	7304.58	0.0	56550.0
S15DCBENE2	151	5359.54	21734.37	0.0	260000.0
S16DCBENE2	136	3414.37	5724.81	0.0	40000.0
R1DCBENE3	66	9372.81	27560.17	0.0	200000.0
R2DCBENE3	15	2108.53	4326.39	0.0	14560.0
R3DCBENE3	13	1489.01	1829.71	0.0	5000.0
R4DCBENE3	38	1659.19	3377.98	0.0	16016.0
R5DCBENE3	18	3869.48	5167.15	0.0	16932.0
R6DCBENE3	7	5213.93	9750.90	0.0	27000.0
R7DCBENE3	69	16243.19	92769.07	0.0	743076.9
R8DCBENE3	25	1540.10	3174.88	0.0	15000.0
R9DCBENE3	18	7803.14	17094.97	175.0	75000.0
R10DCBENE3	39	3421.21	4211.79	0.0	17640.0
R11DCBENE3	61	4122.53	11300.42	0.0	75000.0
R12DCBENE3	69	3830.56	13429.99	0.0	104000.0
R13DCBENE3	51	1758.17	4236.85	0.0	25250.0
R14DCBENE3	32	1619.64	2616.26	0.0	8880.0
R15DCBENE3	23	4253.79	10205.70	0.0	48000.0
R16DCBENE3	34	4959.61	7152.97	0.0	24000.0
S1DCBENE3	49	10916.00	31356.80	0.0	200000.0
S2DCBENE3	13	1312.92	2803.77	0.0	7956.0

S3DCBENE3	11	1592.36	1983.18	0.0	5000.0
S4DCBENE3	32	1705.44	3554.23	0.0	16016.0
S5DCBENE3	13	4793.71	5761.16	0.0	16932.0
S6DCBENE3	7	5213.93	9750.90	0.0	27000.0
S7DCBENE3	54	20491.43	104671.51	0.0	743076.9
S8DCBENE3	22	1613.75	3344.67	0.0	15000.0
S9DCBENE3	17	8175.89	17545.53	175.0	75000.0
S10DCBENE3	27	3861.99	4480.57	0.0	17640.0
S11DCBENE3	50	3206.94	7104.68	0.0	38688.0
S12DCBENE3	50	2495.40	6328.71	0.0	40500.0
S13DCBENE3	39	1511.55	2870.27	0.0	12500.0
S14DCBENE3	19	1450.53	2589.55	0.0	8880.0
S15DCBENE3	18	5127.56	11420.99	0.0	48000.0
S16DCBENE3	17	6737.78	8718.21	0.0	24000.0
R5DCBENE4	3	392.31	679.50	0.0	1176.9
R7DCBENE4	12	2272.40	3498.03	0.0	10400.0
R8DCBENE4	1	0.00		0.0	0.0
R9DCBENE4	2	95.16	134.58	0.0	190.3
R10DCBENE4	5	9464.00	8966.50	1040.0	20400.0
R11DCBENE4	6	61615.00	136806.48	0.0	340000.0
R12DCBENE4	6	262.08	641.96	0.0	1572.5
R13DCBENE4	3	21606.67	30670.90	2820.0	57000.0
R14DCBENE4	4	8895.75	10434.21	1292.2	24230.8
R16DCBENE4	1	0.00		0.0	0.0
S5DCBENE4	3	392.31	679.50	0.0	1176.9
S7DCBENE4	11	1842.62	3319.89	0.0	10400.0
S8DCBENE4	1	0.00		0.0	0.0
S9DCBENE4	1	0.00		0.0	0.0
S10DCBENE4	4	11570.00	8810.74	2240.0	20400.0
S11DCBENE4	5	73938.00	149184.77	0.0	340000.0
S12DCBENE4	5	0.00	0.00	0.0	0.0
S13DCBENE4	2	31000.00	36769.55	5000.0	57000.0
S14DCBENE4	4	8895.75	10434.21	1292.2	24230.8
R1DCMODE1	771	1.22	0.42	1.0	2.0
R2DCMODE1	222	1.20	0.40	1.0	2.0
R3DCMODE1	251	1.20	0.40	1.0	2.0
R4DCMODE1	493	1.14	0.35	1.0	2.0
R5DCMODE1	332	1.17	0.38	1.0	2.0
R6DCMODE1	257	1.14	0.35	1.0	2.0
R7DCMODE1	1036	1.14	0.35	1.0	2.0
R8DCMODE1	832	1.14	0.35	1.0	2.0
R9DCMODE1	869	1.45	0.76	1.0	3.0
R10DCMODE1	1313	1.42	0.73	1.0	3.0
R11DCMODE1	1033	1.36	0.69	1.0	3.0
R12DCMODE1	1078	1.41	0.72	1.0	3.0
R13DCMODE1	1395	1.43	0.76	1.0	3.0
R14DCMODE1	1164	1.36	0.69	1.0	3.0
R15DCMODE1	922	1.38	0.70	1.0	3.0
R16DCMODE1	970	1.35	0.69	1.0	3.0
S1DCMODE1	619	1.21	0.41	1.0	2.0
S2DCMODE1	172	1.21	0.41	1.0	2.0
S3DCMODE1	193	1.19	0.39	1.0	2.0
S4DCMODE1	390	1.14	0.34	1.0	2.0
S5DCMODE1	248	1.19	0.39	1.0	2.0
S6DCMODE1	204	1.14	0.34	1.0	2.0

S7DCMODE1	813	1.15	0.35	1.0	2.0
S8DCMODE1	644	1.14	0.35	1.0	2.0
S9DCMODE1	685	1.45	0.76	1.0	3.0
S10DCMODE1	953	1.39	0.70	1.0	3.0
S11DCMODE1	762	1.35	0.67	1.0	3.0
S12DCMODE1	791	1.39	0.70	1.0	3.0
S13DCMODE1	949	1.41	0.73	1.0	3.0
S14DCMODE1	767	1.33	0.66	1.0	3.0
S15DCMODE1	590	1.36	0.70	1.0	3.0
S16DCMODE1	554	1.33	0.68	1.0	3.0
R1DCMODE2	393	1.18	0.39	1.0	2.0
R2DCMODE2	40	1.30	0.46	1.0	2.0
R3DCMODE2	65	1.28	0.45	1.0	2.0
R4DCMODE2	151	1.20	0.40	1.0	2.0
R5DCMODE2	68	1.25	0.44	1.0	2.0
R6DCMODE2	47	1.23	0.43	1.0	2.0
R7DCMODE2	301	1.19	0.39	1.0	2.0
R8DCMODE2	181	1.20	0.40	1.0	2.0
R9DCMODE2	179	1.49	0.74	1.0	3.0
R10DCMODE2	278	1.42	0.71	1.0	3.0
R11DCMODE2	223	1.40	0.73	1.0	3.0
R12DCMODE2	249	1.35	0.69	1.0	3.0
R13DCMODE2	241	1.41	0.73	1.0	3.0
R14DCMODE2	164	1.35	0.69	1.0	3.0
R15DCMODE2	149	1.35	0.66	1.0	3.0
R16DCMODE2	132	1.37	0.68	1.0	3.0
S1DCMODE2	334	1.16	0.37	1.0	2.0
S2DCMODE2	34	1.29	0.46	1.0	2.0
S3DCMODE2	59	1.29	0.46	1.0	2.0
S4DCMODE2	122	1.20	0.41	1.0	2.0
S5DCMODE2	49	1.20	0.41	1.0	2.0
S6DCMODE2	37	1.27	0.45	1.0	2.0
S7DCMODE2	228	1.19	0.40	1.0	2.0
S8DCMODE2	131	1.18	0.38	1.0	2.0
S9DCMODE2	151	1.49	0.73	1.0	3.0
S10DCMODE2	207	1.38	0.67	1.0	3.0
S11DCMODE2	163	1.39	0.72	1.0	3.0
S12DCMODE2	189	1.33	0.67	1.0	3.0
S13DCMODE2	185	1.36	0.69	1.0	3.0
S14DCMODE2	115	1.29	0.63	1.0	3.0
S15DCMODE2	92	1.37	0.64	1.0	3.0
S16DCMODE2	75	1.39	0.70	1.0	3.0
R1DCMODE3	52	1.17	0.38	1.0	2.0
R2DCMODE3	5	1.20	0.45	1.0	2.0
R3DCMODE3	9	1.22	0.44	1.0	2.0
R4DCMODE3	16	1.31	0.48	1.0	2.0
R5DCMODE3	12	1.25	0.45	1.0	2.0
R6DCMODE3	4	1.00	0.00	1.0	1.0
R7DCMODE3	29	1.28	0.45	1.0	2.0
R8DCMODE3	10	1.40	0.52	1.0	2.0
R9DCMODE3	18	1.61	0.78	1.0	3.0
R10DCMODE3	37	1.51	0.61	1.0	3.0
R11DCMODE3	28	1.43	0.69	1.0	3.0
R12DCMODE3	33	1.48	0.71	1.0	3.0
R13DCMODE3	18	1.33	0.59	1.0	3.0
R14DCMODE3	12	1.33	0.65	1.0	3.0

R15DCMODE3	10	1.40	0.52	1.0	2.0
R16DCMODE3	17	1.47	0.80	1.0	3.0
S1DCMODE3	39	1.21	0.41	1.0	2.0
S2DCMODE3	4	1.25	0.50	1.0	2.0
S3DCMODE3	7	1.14	0.38	1.0	2.0
S4DCMODE3	14	1.36	0.50	1.0	2.0
S5DCMODE3	8	1.25	0.46	1.0	2.0
S6DCMODE3	4	1.00	0.00	1.0	1.0
S7DCMODE3	23	1.30	0.47	1.0	2.0
S8DCMODE3	9	1.44	0.53	1.0	2.0
S9DCMODE3	17	1.53	0.72	1.0	3.0
S10DCMODE3	25	1.60	0.65	1.0	3.0
S11DCMODE3	22	1.55	0.74	1.0	3.0
S12DCMODE3	22	1.36	0.66	1.0	3.0
S13DCMODE3	15	1.40	0.63	1.0	3.0
S14DCMODE3	6	1.17	0.41	1.0	2.0
S15DCMODE3	8	1.50	0.53	1.0	2.0
S16DCMODE3	10	1.40	0.70	1.0	3.0
R5DCMODE4	1	2.00		2.0	2.0
R7DCMODE4	7	1.29	0.49	1.0	2.0
R9DCMODE4	1	1.00		1.0	1.0
R10DCMODE4	5	1.20	0.45	1.0	2.0
R11DCMODE4	3	1.67	1.15	1.0	3.0
R12DCMODE4	1	1.00		1.0	1.0
R13DCMODE4	3	1.33	0.58	1.0	2.0
R14DCMODE4	4	1.50	1.00	1.0	3.0
S5DCMODE4	1	2.00		2.0	2.0
S7DCMODE4	6	1.33	0.52	1.0	2.0
S10DCMODE4	4	1.25	0.50	1.0	2.0
S11DCMODE4	3	1.67	1.15	1.0	3.0
S13DCMODE4	2	1.50	0.71	1.0	2.0
S14DCMODE4	4	1.50	1.00	1.0	3.0
R1DCPCT1	600	13.01	21.26	0.3	100.0
R2DCPCT1	178	14.87	22.57	0.0	100.0
R3DCPCT1	204	12.69	20.39	0.0	100.0
R4DCPCT1	431	14.60	20.67	0.0	100.0
R5DCPCT1	277	10.86	17.61	0.0	100.0
R6DCPCT1	221	12.33	19.49	0.0	100.0
R7DCPCT1	888	11.98	19.89	0.0	100.0
R8DCPCT1	719	8.17	13.97	0.0	100.0
R9DCPCT1	627	6.14	8.02	0.0	100.0
R10DCPCT1	955	6.52	8.77	0.0	80.0
R11DCPCT1	787	6.41	10.92	0.0	100.0
R12DCPCT1	784	5.57	6.59	0.0	75.0
R13DCPCT1	1022	6.37	9.48	0.0	100.0
R14DCPCT1	887	6.23	9.95	0.0	100.0
R15DCPCT1	701	5.27	6.83	0.0	100.0
R16DCPCT1	755	5.70	6.57	0.0	100.0
S1DCPCT1	489	13.25	21.71	0.3	100.0
S2DCPCT1	137	13.61	20.91	0.0	100.0
S3DCPCT1	158	12.97	20.82	0.0	100.0
S4DCPCT1	341	14.65	20.87	0.0	100.0
S5DCPCT1	205	11.34	18.73	0.0	100.0
S6DCPCT1	177	12.25	19.66	0.0	100.0

S7DCPCT1	695	12.93	21.05	0.0	100.0
S8DCPCT1	554	8.55	14.93	0.0	100.0
S9DCPCT1	492	6.14	8.28	0.0	100.0
S10DCPCT1	710	6.42	8.45	0.0	75.0
S11DCPCT1	583	6.28	10.94	0.0	100.0
S12DCPCT1	581	5.52	6.73	0.0	75.0
S13DCPCT1	704	5.76	7.04	0.0	100.0
S14DCPCT1	604	6.51	10.99	0.0	100.0
S15DCPCT1	456	5.08	5.84	0.0	100.0
S16DCPCT1	439	5.74	5.85	0.0	50.0
R1DCPCT2	322	14.50	23.28	0.5	100.0
R2DCPCT2	29	16.72	27.11	0.0	100.0
R3DCPCT2	48	10.33	16.39	0.0	60.0
R4DCPCT2	122	13.10	23.25	0.0	100.0
R5DCPCT2	52	9.83	15.76	0.0	100.0
R6DCPCT2	37	19.73	29.56	0.0	100.0
R7DCPCT2	245	12.16	19.98	1.0	100.0
R8DCPCT2	145	8.36	15.65	1.0	100.0
R9DCPCT2	118	6.24	10.50	0.0	100.0
R10DCPCT2	200	7.34	13.59	0.0	100.0
R11DCPCT2	167	6.84	10.16	0.0	90.0
R12DCPCT2	192	5.83	7.82	1.0	75.0
R13DCPCT2	177	4.98	2.90	1.0	20.0
R14DCPCT2	129	6.93	10.45	0.0	100.0
R15DCPCT2	112	5.88	3.22	1.0	17.0
R16DCPCT2	98	5.39	3.62	1.0	24.0
S1DCPCT2	279	14.63	23.60	0.5	100.0
S2DCPCT2	25	12.76	22.35	0.0	100.0
S3DCPCT2	43	10.12	16.05	0.0	60.0
S4DCPCT2	98	14.48	25.33	0.0	100.0
S5DCPCT2	40	10.50	17.60	0.0	100.0
S6DCPCT2	28	19.68	31.09	0.0	100.0
S7DCPCT2	184	13.02	21.99	1.0	100.0
S8DCPCT2	108	9.79	17.87	1.0	100.0
S9DCPCT2	99	6.24	11.27	0.0	100.0
S10DCPCT2	152	6.78	12.32	0.0	100.0
S11DCPCT2	123	6.50	9.92	0.0	90.0
S12DCPCT2	147	5.27	5.03	1.0	50.0
S13DCPCT2	142	5.08	3.03	1.0	20.0
S14DCPCT2	94	7.39	12.10	0.0	100.0
S15DCPCT2	66	5.79	3.01	1.0	17.0
S16DCPCT2	55	4.93	2.50	2.0	15.0
R1DCPCT3	43	20.81	30.30	0.3	100.0
R2DCPCT3	4	24.50	18.70	6.0	50.0
R3DCPCT3	7	4.86	3.13	1.0	10.0
R4DCPCT3	12	17.33	27.07	0.0	100.0
R5DCPCT3	10	14.60	14.60	0.0	50.0
R6DCPCT3	4	12.50	5.00	5.0	15.0
R7DCPCT3	21	18.29	34.43	1.0	100.0
R8DCPCT3	6	4.00	1.55	2.0	6.0
R9DCPCT3	10	11.20	15.57	1.0	50.0
R10DCPCT3	22	6.82	10.65	0.0	50.0
R11DCPCT3	19	10.05	20.32	2.0	93.0
R12DCPCT3	21	9.14	15.50	1.0	75.0
R13DCPCT3	14	6.14	5.87	0.0	25.0
R14DCPCT3	9	4.00	1.00	3.0	6.0

R15DCPCT3	6	5.33	2.50	3.0	10.0
R16DCPCT3	12	7.00	2.95	3.0	13.0
S1DCPCT3	31	22.60	30.87	0.3	100.0
S2DCPCT3	3	16.00	9.54	6.0	25.0
S3DCPCT3	6	4.50	3.27	1.0	10.0
S4DCPCT3	9	20.78	30.65	3.0	100.0
S5DCPCT3	7	18.71	15.86	0.0	50.0
S6DCPCT3	4	12.50	5.00	5.0	15.0
S7DCPCT3	16	22.13	38.78	1.0	100.0
S8DCPCT3	5	3.60	1.34	2.0	5.0
S9DCPCT3	10	11.20	15.57	1.0	50.0
S10DCPCT3	14	5.71	5.36	0.0	20.0
S11DCPCT3	13	11.77	24.51	2.0	93.0
S12DCPCT3	16	10.19	17.71	1.0	75.0
S13DCPCT3	11	4.73	2.53	0.0	10.0
S14DCPCT3	5	4.40	0.89	4.0	6.0
S15DCPCT3	4	6.00	2.83	4.0	10.0
S16DCPCT3	7	7.00	3.37	3.0	13.0
R7DCPCT4	5	3.60	3.65	1.0	10.0
R9DCPCT4	2	0.50	0.71	0.0	1.0
R10DCPCT4	4	7.50	6.56	2.0	17.0
R11DCPCT4	2	11.00	12.73	2.0	20.0
R12DCPCT4	1	3.00		3.0	3.0
R13DCPCT4	2	28.00	31.11	6.0	50.0
R14DCPCT4	3	3.33	0.58	3.0	4.0
S7DCPCT4	4	2.00	0.82	1.0	3.0
S9DCPCT4	1	0.00		0.0	0.0
S10DCPCT4	3	8.33	7.77	2.0	17.0
S11DCPCT4	2	11.00	12.73	2.0	20.0
S13DCPCT4	1	50.00		50.0	50.0
S14DCPCT4	3	3.33	0.58	3.0	4.0

Categorical Variable Codes

RwDCMODE1: Employer contribution: $ or % #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Not DC plan	2801	2209	1662	1862	1618	1185	1506	1225	1079	1860
.D=DK	442	135	139	271	193	183	516	443	332	401
.J=Web interview, missing										
.K=Missing wage/work info	51	17	23	43	29	31	127	70	98	117
.M=Oth missing	33		2	5		1	3		3	4
.Q=Not asked this wv	140	9336	1110	1184	1120	935	212	158	226	434
.R=RF	117	6	16	30	18	42	42	39	34	71
.S=R denies have pension	3834	3280	3574	4396	3794	3366	4167	3721	3238	4672
.W=Not working	4282	4368	11147	12974	12366	12093	12276	11824	11334	13156
.X=No contrib--not asked	181	69	67	126	108	72	244	157	4	6
1.Employer contributes % of	600	177	202	424	274	220	887	717	623	949
2.Employer contributes $ am	171	45	49	69	58	37	149	115	102	174
3.Employer contributes % of									144	190

Value	w11	w12	w13	w14	w15	w16
.B=Not DC plan	1535	1208	1438	1045	911	920
.D=DK	451	359	450	283	301	328
.J=Web interview, missing				44	70	37
.K=Missing wage/work info	121	86	130	96	110	112
.M=Oth missing	318	82	83	41	55	41
.Q=Not asked this wv						
.R=RF	46	51	79	59	63	71
.S=R denies have pension	3897	3468	4618	3546	2802	3063
.W=Not working	12581	11852	12120	10416	10077	9941
.X=No contrib--not asked	572	563	599	452	412	304
1.Employer contributes % of	783	779	1017	884	695	750
2.Employer contributes $ am	127	153	151	136	107	101
3.Employer contributes % of	123	146	227	144	120	119

SwDCMODE1: Employer contribution: $ or % #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Not DC plan	2209	1725	1251	1382	1234	880	1108	894	776	1301
.D=DK	324	101	105	195	139	137	374	332	237	279
.J=Web interview, missing										
.K=Missing wage/work info	41	13	16	29	24	24	86	58	64	79
.M=Oth missing	24		1	3		1	2		3	2
.Q=Not asked this wv	108	5415	868	936	863	698	165	122	168	296
.R=RF	92	4	11	7	9	27	29	27	24	39
.S=R denies have pension	3031	2570	2687	3201	2783	2478	3002	2684	2289	3164
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
.W=Not working	3305	3234	6728	7738	7347	7127	7203	6860	6397	7396
.X=No contrib--not asked	147	56	57	99	83	63	190	114	3	4
1.Employer contributes % of	489	136	156	337	202	176	694	552	489	706
2.Employer contributes $ am	130	36	37	53	46	28	119	92	83	127
3.Employer contributes % of									113	120

Value	w11	w12	w13	w14	w15	w16
.B=Not DC plan	1060	821	944	649	559	510
.D=DK	295	244	282	173	148	164
.J=Web interview, missing				18	23	10
.K=Missing wage/work info	82	55	75	56	64	70
.M=Oth missing	216	48	52	34	49	27
.Q=Not asked this wv						

.R=RF	30	26	43	28	30	29
.S=R denies have pension	2620	2271	2859	2091	1645	1609
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Not working	6980	6338	6174	5242	5097	4688
.X=No contrib--not asked	439	418	401	300	272	179
1.Employer contributes % of	580	578	700	601	453	437
2.Employer contributes $ am	98	115	109	82	61	51
3.Employer contributes % of	84	98	140	84	76	66

RwDCMODE2: Employer contribution: $ or % #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Not DC plan	204	223	177	304	232	180	297	156	303	550
.D=DK	184	41	52	103	78	67	169	96	99	154
.J=Web interview, missing										
.K=Missing wage/work info	33	6		7	5	6	23	16	14	21
.M=Oth missing	8		2	3	1		3		6	12
.Q=Not asked this wv	13	8586	306	276	293	224	40	10	220	373
.R=RF	76	5	12	24	14	36	41	17	32	59
.S=R denies have pension	7043	6330	6188	7398	6474	5471	6736	6046	5029	7427
.W=Not working	4282	4368	11147	12974	12366	12093	12276	11824	11334	13156
.X=No contrib--not asked	416	43	42	144	47	41	243	123	1	4
1.Employer contributes % of	322	28	47	121	51	36	245	145	117	196
2.Employer contributes $ am	71	12	18	30	17	11	56	36	36	47
3.Employer contributes % of									26	35

Value	w11	w12	w13	w14	w15	w16
.B=Not DC plan	456	331	342	233	209	183
.D=DK	194	144	205	105	117	114
.J=Web interview, missing				11	14	4
.K=Missing wage/work info	22	17	22	9	12	7
.M=Oth missing	96	11	18	5	11	5
.Q=Not asked this wv						
.R=RF	32	33	48	38	37	39
.S=R denies have pension	6765	5934	7726	6056	5005	5257
.W=Not working	12581	11852	12120	10416	10077	9941
.X=No contrib--not asked	185	176	190	109	92	105
1.Employer contributes % of	166	192	177	127	112	98
2.Employer contributes $ am	24	27	29	17	22	19
3.Employer contributes % of	33	30	35	20	15	15

SwDCMODE2: Employer contribution: $ or % #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Not DC plan	163	183	136	237	186	143	232	126	220	378
.D=DK	135	31	36	77	62	48	125	73	73	99
.J=Web interview, missing										
.K=Missing wage/work info	26	5		7	5	4	19	11	8	13
.M=Oth missing	4		2	2			2		4	10
.Q=Not asked this wv	10	4833	244	217	228	170	31	9	162	271
.R=RF	57	4	7	4	6	25	29	9	21	29
.S=R denies have pension	5543	4933	4673	5461	4810	4052	4915	4419	3609	5108
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
.W=Not working	3305	3234	6728	7738	7347	7127	7203	6860	6397	7396
.X=No contrib--not asked	323	33	32	115	37	33	188	97	1	2
1.Employer contributes % of	279	24	42	97	39	27	184	108	98	150
2.Employer contributes $ am	55	10	17	25	10	10	44	23	32	35
3.Employer contributes % of									21	22

Value	w11	w12	w13	w14	w15	w16
.B=Not DC plan	326	231	246	172	141	105
.D=DK	132	93	125	69	60	47
.J=Web interview, missing				6	8	2
.K=Missing wage/work info	20	14	16	6	8	3
.M=Oth missing	66	9	11	5	7	3
.Q=Not asked this wv						
.R=RF	14	20	24	18	14	12
.S=R denies have pension	4649	3998	4878	3663	2991	2844
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Not working	6980	6338	6174	5242	5097	4688
.X=No contrib--not asked	134	120	120	62	59	61
1.Employer contributes % of	122	147	142	93	66	55
2.Employer contributes $ am	18	21	20	11	18	11
3.Employer contributes % of	23	21	23	11	8	9

RwDCMODE3: Employer contribution: $ or % #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Not DC plan	24	33	29	51	27	22	56	18	41	93
.D=DK	134	27	27	42	48	35	55	32	47	80
.J=Web interview, missing										
.K=Missing wage/work info	3	1				2	5	2		2
.M=Oth missing	5		1						2	5
.Q=Not asked this wv	2	8259	41	28	17	23	3	1	26	48
.R=RF	35	3	12	20	14	35	31	18	28	54
.S=R denies have pension	8101	6936	6721	8230	7088	5948	7634	6549	5721	8557
.W=Not working	4282	4368	11147	12974	12366	12093	12276	11824	11334	13156
.X=No contrib--not asked	14	10	4	23	6	3	40	15		2
1.Employer contributes % of	43	4	7	11	9	4	21	6	10	20
2.Employer contributes $ am	9	1	2	5	3		8	4	5	15
3.Employer contributes % of									3	2

Value	w11	w12	w13	w14	w15	w16
.B=Not DC plan	75	34	27	25	22	20
.D=DK	132	108	161	86	100	96
.J=Web interview, missing				1	2	
.K=Missing wage/work info	2	1			1	
.M=Oth missing	15	1	2	1	2	1
.Q=Not asked this wv						

.R=RF	23	28	42	33	34	37
.S=R denies have pension	7665	6654	8509	6551	5462	5658
.W=Not working	12581	11852	12120	10416	10077	9941
.X=No contrib--not asked	33	36	33	21	13	17
1.Employer contributes % of	19	21	13	9	6	12
2.Employer contributes $ am	6	8	4	2	4	2
3.Employer contributes % of	3	4	1	1		3

SwDCMODE3: Employer contribution: $ or % #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Not DC plan	22	27	25	42	25	16	44	14	31	65
.D=DK	102	20	19	28	39	25	44	28	35	51
.K=Missing wage/work info	3	1				1	3	2		2
.M=Oth missing	3		1						2	5
.Q=Not asked this wv	2	4581	35	21	11	18	2	1	20	36
.R=RF	27	2	7	3	6	24	20	10	18	27
.S=R denies have pension	6387	5412	5091	6115	5289	4421	5602	4798	4126	5904
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
.W=Not working	3305	3234	6728	7738	7347	7127	7203	6860	6397	7396
.X=No contrib--not asked	10	9	4	19	5	3	31	13		2
1.Employer contributes % of	31	3	6	9	6	4	16	5	10	12
2.Employer contributes $ am	8	1	1	5	2		7	4	5	11
3.Employer contributes % of									2	2

Value	w11	w12	w13	w14	w15	w16
.B=Not DC plan	55	28	21	20	13	13
.D=DK	86	64	96	55	48	37
.K=Missing wage/work info	1	1			1	
.M=Oth missing	9	1	1	2	2	
.Q=Not asked this wv						
.R=RF	10	17	19	16	13	11
.S=R denies have pension	5293	4513	5429	4003	3285	3074
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Not working	6980	6338	6174	5242	5097	4688
.X=No contrib--not asked	28	28	24	14	10	7
1.Employer contributes % of	13	16	10	5	4	7
2.Employer contributes $ am	6	4	4	1	4	2
3.Employer contributes % of	3	2	1			1

RwDCMODE4: Employer contribution: $ or % #4

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Not DC plan					4	4	7	3	4	19
.D=DK					43	34	39	25	35	69
.K=Missing wage/work info						1	1			
.M=Oth missing										
.Q=Not asked this wv					4	2	1		3	2
.R=RF					14	35	29	18	27	54
.S=R denies have pension					7144	5996	7764	6598	5812	8729
.W=Not working					12366	12093	12276	11824	11334	13156
.X=No contrib--not asked					2		5	1	1	
1.Employer contributes % of							5		1	4
2.Employer contributes $ am					1		2			1
3.Employer contributes % of										

Value	w11	w12	w13	w14	w15	w16
.B=Not DC plan	8	6	4	5		1
.D=DK	123	98	153	83	98	97
.K=Missing wage/work info						
.M=Oth missing	1					
.Q=Not asked this wv						
.R=RF	22	26	42	33	34	37
.S=R denies have pension	7813	6759	8590	6605	5514	5710
.W=Not working	12581	11852	12120	10416	10077	9941
.X=No contrib--not asked	3	5				1
1.Employer contributes % of	2	1	2	3		
2.Employer contributes $ am			1			
3.Employer contributes % of	1			1		

SwDCMODE4: Employer contribution: $ or % #4

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Not DC plan					3	3	6	3	4	13
.D=DK					35	25	32	23	26	44
.K=Missing wage/work info						1	1			
.Q=Not asked this wv					3	2	1		3	1
.R=RF					6	24	20	10	18	27
.S=R denies have pension					5333	4457	5698	4838	4197	6028
.U=Unmarried					6537	6306	6777	6417	6206	7797
.V=Spouse NR					311	220	380	317	365	724
.W=Not working					7347	7127	7203	6860	6397	7396
.X=No contrib--not asked					2		5	1	1	
1.Employer contributes % of							4			3
2.Employer contributes $ am					1		2			1
3.Employer contributes % of										

Value	w11	w12	w13	w14	w15	w16
.B=Not DC plan	5	3	2	3		
.D=DK	79	58	89	52	47	38
.K=Missing wage/work info						
.Q=Not asked this wv						
.R=RF	10	15	19	16	13	11
.S=R denies have pension	5405	4593	5493	4041	3320	3103
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Not working	6980	6338	6174	5242	5097	4688
.X=No contrib--not asked	2	5				
1.Employer contributes % of	2		1	3		

```
   2.Employer contributes $ am   |                       1
   3.Employer contributes % of   |       1                       1
```

Format Reference Tables – complete variable value labels

```
_____________________________________________________
Variables: DCMODE1, DCMODE2, DCMODE3, DCMODE4
_____________________________________________________
.A=Dollar contribution
.B=Not DC plan
.D=DK
.H=Other specify
.J=Web interview, missing
.K=Missing wage/work info
.M=Oth missing
.O=Other
.Q=Not asked this wv
.R=RF
.S=R denies have pension
.U=Unmarried
.V=Spouse NR
.W=Not working
.X=No contrib--not asked
.Y=Pen not from curr job
1.Employer contributes % of R's pay
2.Employer contributes $ amt
3.Employer contributes % of R's contribution
```

How Constructed

RwDCBENE1, RwDCBENE2, RwDCBENE3 and RwDCBENE4 indicate the amount in nominal dollars that the Respondent's current employer contributes annually to a defined contribution pension plan for the Respondent. Before Wave 5, employer contributions may be reported for up to 3 plans. From Wave 5 through Wave 10, employer contributions may be reported for up to 4 plans. From Wave 11 forward, Respondents may report information on up to 10 plans, but we limit the RAND HRS Longitudinal File to the first four active plans as they appear in the data, to align with previous waves. SwDCBENE1, SwDCBENE2, SwDCBENE3 and SwDCBENE4 provide the information for the Respondent's spouse or partner.

If the Respondent is working for the same employer as in the previous wave and was previously included in a pension plan, then they are asked if the rules of the pension plan have changed. If the Respondent indicates that the rules have changed, they are asked the complete set of questions about newly reported pensions. Prior to Wave 7, if the rules have not changed, Respondents are not asked how much their employers contribute to the plan, and these responses are set to ".Q." Beginning in Wave 7, all Respondents are asked how much their employer contributes to each defined contribution plan.

If the Respondent is included in a pension plan through their current job, they are then asked for the type of plan. In Waves 1-8, employer contributions are calculated for Respondents who indicate a plan type of Type B only. In Waves 9-10, dollar amounts are calculated for Respondents who either a) consistently identify a defined contribution plan through the plan type (i.e., Type B or "Both Types" (Type A and Type B)) and the detailed plan name (e.g., 401K, 403b, etc.) or b) indicate a plan type of Type B or "Both Types" (Type A and Type B) and have a high level of confidence in their plan type selection. From Wave 11 forward, dollar amounts are calculated for Respondents who indicate a plan type of Type B or "Both Types" (Type A and Type B). In Waves 1-8, Respondents who indicate a plan type of "Both Types" (Type A and Type B) are not asked questions about employer contribution to the plan, and these responses are set to ".Q." In all Waves, Respondents who indicate a plan type of Type A (defined benefit), or who do not know or refuse to disclose the plan type, are set to ".B."

In all Waves, Respondents have the option to report employer contributions as a percentage of their annual wages or as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are annualized. If the Respondent reports contributions as a percentage, annual contributions are calculated by multiplying the reported percent by the Respondent's annual wages from the

current, primary job. If the Respondent reports employer contributions as a fixed dollar amount per time period, annual contributions are calculated based on the hours and weeks the Respondent reports working for their current, primary job. Beginning in Wave 9, Respondents are also given the option to report employer contributions as a percentage match to their own contribution to the plan, and these values are calculated using RwDCCONTx.

RwDCMODE1, RwDCMODE2, RwDCMODE3, and RwDCMODE4 indicate whether employer contributions are made as a percentage of a Respondent's pay, a fixed dollar amount per time period, or as a matched percent of the Respondent's contribution to their plan. SwDCMODE1, SwDCMODE2, SwDCMODE3, SwDCMODE4 provide the information for the Respondent's spouse or partner.

RwDCPCT1, RwDCPCT2, RwDCPCT3, and RwDCPCT4 indicate the percent of the Respondent's pay the employer contributes to the plan or the percent of the Respondent's contribution that the employer matches. If the employer contributes a fixed dollar amount, RwDCPCTx is set to special missing value ".A." SwDCPCT1, SwDCPCT2, SwDCPCT3, and SwDCPCT4 provide this information for the Respondent's spouse or partner.

If the amount contributed is missing, the variables are coded with special missing values which denote why the contribution is missing. When Respondents report having a defined contribution plan but the employer contribution questions are skipped over, RwDCBENEx is set to special missing value ".Q." (e.g., In Waves 2H-8, Respondents who reported "no rule changes" to their existing plans are not asked employer contribution questions.) If the questions are skipped because the Respondent does not have the pension, the variables are set to ".S" (e.g., if the Respondent has one pension, RwDCBENE2, RwDCBENE3, and from Wave 5 on, RwDCBENE4 equal ".S"). RwDCBENEx is also set to ".S" if the Respondent does not have a pension from the current job or does not provide the number of pensions they have in waves prior to 11. RwDCBENEx is set to ".W" if the Respondent is not working and to ".K" if any of the following are missing: wage information, the amount period, hours worked or weeks worked on primary job.

Cross Wave Differences in Original HRS Data

In Waves 1-8 employer contributions to a defined contribution plan are calculated only for Respondents who indicate a plan type equal to Type B. In Waves 9 and 10, DC plans are defined in one of two ways: a) plans that are consistently identified as DC through the plan type (i.e., Type B or "Both Types" (Type A and Type B)) and the detailed plan name (e.g., 401K, 403b, etc.) or b) plans with a type of Type B or "Both Types" (Type A and Type B) where Respondents have a high level of confidence in their plan type selection. From Wave 11 forward, employer contributions are calculated for Respondents who indicate a plan type equal to Type B or "Both Types" (Type A and Type B).

The wording of the employer contribution question varies slightly across waves. In Waves 1, 2H, 3A, 3H, and 4, all Respondents are asked one question, "How much does your (business/employer) contribute (as a percent of your pay or amount of money per month or year)?"

In Waves 5-8, the wording changes slightly, to "How much does your [business/employer] contribute, either as a percent of your pay or as an amount of money per month or year?"

Beginning in Wave 9, two separate questions are asked of the Respondent about employer contributions to each plan. The first asks, "Does your [business/employer] make any contributions toward [that plan/(plan name)]?" The second is, "How much does your [business/employer] actually contribute, as a percent of your pay, or as an amount of money per month or year?"

In Waves 2H and 3A, the questions are asked separately for those employed by a firm and those that are self-employed. The question wording is the same in both places.

In Wave 3A, Respondents who work at a firm are asked to report on employer contributions for up to three plans. The self-employed are asked to report on only one plan.

In Waves 2H, 3A, 3H, 4, 5, and 6, employer contribution questions are not asked of those who are with the same employer and who reported having a pension plan at the previous wave where the rules have not changed. The variables for these Respondents are set to ".Q."

In Waves 1-8, employer contributions questions are not asked of Respondents indicating a plan type of "Both Types" (Type A and Type B). The variables for these Respondents are set to ".Q."

The questions are not asked in Wave 2A.

For Waves 5-10, the Respondent is asked to report on up to 4 plans.

Prior to Wave 11, the Respondent was asked to list their pensions in order of importance. From Wave 11 forward, due to the questionnaire change, the Respondent answers questions about all their pensions, with no regard to importance. We report employer contributions for up to the first four active plans in the data to remain consistent with earlier waves.

HRS Variables Used

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HRS 1992:
    V2909           F39:P1-TYPE OF PLAN
    V2934           F56:TB/P1:  EMPLR CONTR
    V2935           F56:TB/P1:$ EMPLR CONTR
    V2936           F56:TB/P1:FREQ EMP CNTRB
    V3009           F39:P2-TYPE OF PLAN
    V3034           F56:TB/P2:  EMPLR CONTR
    V3035           F56:TB/P2:$ EMPLR CONTR
    V3036           F56:TB/P2:FREQ EMP CNTRB
    V3109           F39:P3-TYPE OF PLAN
    V3134           F56:TB/P3:  EMPLR CONTR
    V3135           F56:TB/P3:$ EMPLR CONTR
    V3136           F56:TB/P3:FREQ EMP CNTRB
HRS 1994:
    W3712           1. FA65.TYPE OF PENSION
    W3724           2. FA65.TYPE OF PENSION
    W3736           3. FA65.TYPE OF PENSION
    W3756           1. FA73.TYPE OF PENSION
    W3789           1. FA90.FORM OF EMPLOYER
    W3790           1. FA90a.EMPLOYER CONTRI
    W3791           1. FA90b.EMPLOYER CONTRI
    W3792           1. FA90c.EMPLOYER CONTRI
    W3808           2. FA73.TYPE OF PENSION
    W3841           2. FA90.FORM OF EMPLOYER
    W3842           2. FA90a.EMPLOYER CONTRI
    W3843           2. FA90b.EMPLOYER CONTRI
    W3844           2. FA90c.EMPLOYER CONTRI
    W3860           3. FA73.TYPE OF PENSION
    W3893           3. FA90.FORM OF EMPLOYER
    W3894           3. FA90a.EMPLOYER CONTRI
    W3895           3. FA90b.EMPLOYER CONTRI
    W3896           3. FA90c.EMPLOYER CONTRI
    W4378           1. FB29.TYPE OF RETIREME
    W4390           2. FB29.TYPE OF RETIREME
    W4402           3. FB29.TYPE OF RETIREME
    W4415           1. FB37.TYPE OF PENSION
    W4448           1. FB54.FORM OF EMPLOYER
    W4449           1. FB54a.EMPLOYER CONTRI
    W4450           1. FB54b.EMPLOYER CONTRI
    W4451           1. FB54c.EMPLOYER CONTRI
    W4467           2. FB37.TYPE OF PENSION
    W4500           2. FB54.FORM OF EMPLOYER
    W4501           2. FB54a.% OF PAY
    W4502           2. FB54b.AMOUNT OF EMPLO
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    W4503           2. FB54c.AMOUNT OF EMP C
    W4519           3. FB37.TYPE OF PENSION
    W4552           3. FB54.FORM OF EMPLOYER
    W4553           3. FB54a.EMPLOYER CONTRI
    W4554           3. FB54b.EMPLOYER CONTRI
    W4555           3. FB54c.EMPLOYER CONTRI
AHEAD 1995:
    D2928           GA63.PENSION RULES CHANGED
    D2969_1         GA73. TYPE PENSION
    D2969_2         GA73. TYPE PENSION
    D2969_3         GA73. TYPE PENSION
    D3026_1         GA90. HOW EMPLOYER CONTRIBUTES DC
    D3026_2         GA90. HOW EMPLOYER CONTRIBUTES DC
    D3026_3         GA90. HOW EMPLOYER CONTRIBUTES DC
    D3027_1         GA90A. EMPLOYER CONTRIB PERCENT PAY
    D3027_2         GA90A. EMPLOYER CONTRIB PERCENT PAY
    D3027_3         GA90A. EMPLOYER CONTRIB PERCENT PAY
    D3028_1         GA90B. EMPLOYER CONTRIB AMOUNT
    D3028_2         GA90B. EMPLOYER CONTRIB AMOUNT
    D3028_3         GA90B. EMPLOYER CONTRIB AMOUNT
    D3029_1         GA90C. EMPLOYER CONTRIB AMOUNT PER
    D3029_2         GA90C. EMPLOYER CONTRIB AMOUNT PER
    D3029_3         GA90C. EMPLOYER CONTRIB AMOUNT PER
    D3330_1         GB37. TYPE PENSION
    D3389_1         GB54. HOW EMPLOYER CONTRIBUTES DC
    D3390_1         GB54A. EMPLOYER CONTRIB PERCENT PAY
    D3391_1         GB54B. EMPLOYER CONTRIB AMOUNT
    D3392_1         GB54C. EMPLOYER CONTRIB AMOUNT PER
HRS 1996:
    E2835           G67.PENSION RULES CHANGED
    E2840_1         G69.TYPE OF PENSION
    E2840_2         G69.TYPE OF PENSION
    E2840_3         G69.TYPE OF PENSION
    E2875_1         G77.TYPE OF PENSION
    E2875_2         G77.TYPE OF PENSION
    E2875_3         G77.TYPE OF PENSION
    E2931_1         G94.FORM OF EMPLOYER CONTRIBUTION
    E2931_2         G94.FORM OF EMPLOYER CONTRIBUTION
    E2931_3         G94.FORM OF EMPLOYER CONTRIBUTION
    E2932_1         G94A.EMPLOYER CONTRIBUTION-%
    E2932_2         G94A.EMPLOYER CONTRIBUTION-%
    E2932_3         G94A.EMPLOYER CONTRIBUTION-%
    E2933_1         G94B.EMPLOYER CONTRIBUTION-AMOUNT
    E2933_2         G94B.EMPLOYER CONTRIBUTION-AMOUNT
    E2933_3         G94B.EMPLOYER CONTRIBUTION-AMOUNT
    E2934_1         G94C.EMPLOYER CONTRIBUTION-PER
    E2934_2         G94C.EMPLOYER CONTRIBUTION-PER
    E2934_3         G94C.EMPLOYER CONTRIBUTION-PER
HRS 1998:
    F3359           G67.PENSION RULES CHANGED
    F3364_1         G69.TYPE OF PENSION
    F3364_2         G69.TYPE OF PENSION
    F3364_3         G69.TYPE OF PENSION
    F3403_1         G77.TYPE OF PENSION
    F3403_2         G77.TYPE OF PENSION
    F3403_3         G77.TYPE OF PENSION
    F3459_1         G94.FORM OF EMPLOYER CONTRIBUTION
    F3459_2         G94.FORM OF EMPLOYER CONTRIBUTION
    F3459_3         G94.FORM OF EMPLOYER CONTRIBUTION
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    F3460_1         G94A.EMPLOYER CONTRIBUTION-%
    F3460_2         G94A.EMPLOYER CONTRIBUTION-%
    F3460_3         G94A.EMPLOYER CONTRIBUTION-%
    F3461_1         G94B.EMPLOYER CONTRIBUTION-AMOUNT
    F3461_2         G94B.EMPLOYER CONTRIBUTION-AMOUNT
    F3461_3         G94B.EMPLOYER CONTRIBUTION-AMOUNT
    F3462_1         G94C.EMPLOYER CONTRIBUTION-PER
    F3462_2         G94C.EMPLOYER CONTRIBUTION-PER
    F3462_3         G94C.EMPLOYER CONTRIBUTION-PER
HRS 2000:
    G3619           G67.PENSION RULES CHANGED
    G3624_1         G69.TYPE OF PENSION
    G3624_2         G69.TYPE OF PENSION
    G3624_3         G69.TYPE OF PENSION
    G3624_4         G69.TYPE OF PENSION
    G3683_1         G77.TYPE OF PENSION
    G3683_2         G77.TYPE OF PENSION
    G3683_3         G77.TYPE OF PENSION
    G3683_4         G77.TYPE OF PENSION
    G3744_1         G94.FORM OF EMPLOYER CONTRIBUTION
    G3744_2         G94.FORM OF EMPLOYER CONTRIBUTION
    G3744_3         G94.FORM OF EMPLOYER CONTRIBUTION
    G3744_4         G94.FORM OF EMPLOYER CONTRIBUTION
    G3745_1         G94A.EMPLOYER CONTRIBUTION-PCT
    G3745_2         G94A.EMPLOYER CONTRIBUTION-PCT
    G3745_3         G94A.EMPLOYER CONTRIBUTION-PCT
    G3745_4         G94A.EMPLOYER CONTRIBUTION-PCT
    G3746_1         G94B.EMPLOYER CONTRIBUTION-AMOUNT
    G3746_2         G94B.EMPLOYER CONTRIBUTION-AMOUNT
    G3746_3         G94B.EMPLOYER CONTRIBUTION-AMOUNT
    G3746_4         G94B.EMPLOYER CONTRIBUTION-AMOUNT
    G3747_1         G94C.EMPLOYER CONTRIBUTION-PER
    G3747_2         G94C.EMPLOYER CONTRIBUTION-PER
    G3747_3         G94C.EMPLOYER CONTRIBUTION-PER
    G3747_4         G94C.EMPLOYER CONTRIBUTION-PER
HRS 2002:
    HJ272_1         TYPE OF PENSION- 1
    HJ272_2         TYPE OF PENSION- 2
    HJ272_3         TYPE OF PENSION- 3
    HJ272_4         TYPE OF PENSION- 4
    HJ338_1         PENSION PLAN TYPE- 1
    HJ338_2         PENSION PLAN TYPE- 2
    HJ338_3         PENSION PLAN TYPE- 3
    HJ338_4         PENSION PLAN TYPE- 4
    HJ396_1         FORM OF EMPLOYER CONTRIBUTION-1
    HJ396_2         FORM OF EMPLOYER CONTRIBUTION-2
    HJ396_3         FORM OF EMPLOYER CONTRIBUTION-3
    HJ396_4         FORM OF EMPLOYER CONTRIBUTION-4
    HJ397_1         EMPLOYER CONTRIBUTION-PCT-1
    HJ397_2         EMPLOYER CONTRIBUTION-PCT-2
    HJ397_3         EMPLOYER CONTRIBUTION-PCT-3
    HJ397_4         EMPLOYER CONTRIBUTION-PCT-4
    HJ398_1         AMT-EMPLOYER CONTRIBUTION-1
    HJ398_2         AMT-EMPLOYER CONTRIBUTION-2
    HJ398_3         AMT-EMPLOYER CONTRIBUTION-3
    HJ398_4         AMT-EMPLOYER CONTRIBUTION-4
    HJ402_1         AMOUNT EMPLOYER CONTRIBUTION - PER-1
    HJ402_2         AMOUNT EMPLOYER CONTRIBUTION - PER-2
    HJ402_3         AMOUNT EMPLOYER CONTRIBUTION - PER-3
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    HJ402_4         AMOUNT EMPLOYER CONTRIBUTION - PER-4
HRS 2004:
    JJ396A          FORM OF EMPLOYER CONTRIBUTION-1
    JJ396B          FORM OF EMPLOYER CONTRIBUTION-2
    JJ396C          FORM OF EMPLOYER CONTRIBUTION-3
    JJ396D          FORM OF EMPLOYER CONTRIBUTION-4
HRS 2006:
    KJ272A          TYPE OF PENSION- 1 -1
    KJ272B          TYPE OF PENSION- 1 -2
    KJ272C          TYPE OF PENSION- 1 -3
    KJ272D          TYPE OF PENSION- 1 -4
    KJ757A          FORM OF EMPLOYER CONTRIBUTION -1
    KJ757B          FORM OF EMPLOYER CONTRIBUTION -2
    KJ757C          FORM OF EMPLOYER CONTRIBUTION -3
    KJ757D          FORM OF EMPLOYER CONTRIBUTION -4
    KJ758A          EMPLOYER CONTRIBUTION-PCT -1
    KJ758B          EMPLOYER CONTRIBUTION-PCT -2
    KJ758C          EMPLOYER CONTRIBUTION-PCT -3
    KJ758D          EMPLOYER CONTRIBUTION-PCT -4
    KJ762A          AMT-EMPLOYER CONTRIBUTION -1
    KJ762B          AMT-EMPLOYER CONTRIBUTION -2
    KJ762C          AMT-EMPLOYER CONTRIBUTION -3
    KJ762D          AMT-EMPLOYER CONTRIBUTION -4
    KJ766A          AMOUNT EMPLOYER CONTRIBUTION - PER -1
    KJ766B          AMOUNT EMPLOYER CONTRIBUTION - PER -2
    KJ766C          AMOUNT EMPLOYER CONTRIBUTION - PER -3
    KJ766D          AMOUNT EMPLOYER CONTRIBUTION - PER -4
HRS 2008:
    LJ338_1         PENSION PLAN TYPE- 1
    LJ338_2         PENSION PLAN TYPE- 2
    LJ338_3         PENSION PLAN TYPE- 3
    LJ338_4         PENSION PLAN TYPE- 4
    LJ396_1         FORM OF EMPLOYER CONTRIBUTION-1
    LJ396_2         FORM OF EMPLOYER CONTRIBUTION-2
    LJ396_3         FORM OF EMPLOYER CONTRIBUTION-3
    LJ396_4         FORM OF EMPLOYER CONTRIBUTION-4
    LJ397_1         EMPLOYER CONTRIBUTION-PCT-1
    LJ397_2         EMPLOYER CONTRIBUTION-PCT-2
    LJ397_3         EMPLOYER CONTRIBUTION-PCT-3
    LJ397_4         EMPLOYER CONTRIBUTION-PCT-4
    LJ398_1         AMT-EMPLOYER CONTRIBUTION-1
    LJ398_2         AMT-EMPLOYER CONTRIBUTION-2
    LJ398_3         AMT-EMPLOYER CONTRIBUTION-3
    LJ398_4         AMT-EMPLOYER CONTRIBUTION-4
    LJ402_1         AMOUNT EMPLOYER CONTRIBUTION - PER-1
    LJ402_2         AMOUNT EMPLOYER CONTRIBUTION - PER-2
    LJ402_3         AMOUNT EMPLOYER CONTRIBUTION - PER-3
    LJ402_4         AMOUNT EMPLOYER CONTRIBUTION - PER-4
HRS 2010:
    MJ338_1         PENSION PLAN TYPE- 1
    MJ338_2         PENSION PLAN TYPE- 2
    MJ338_3         PENSION PLAN TYPE- 3
    MJ338_4         PENSION PLAN TYPE- 4
    MJ396_1         FORM OF EMPLOYER CONTRIBUTION-1
    MJ396_2         FORM OF EMPLOYER CONTRIBUTION-2
    MJ396_3         FORM OF EMPLOYER CONTRIBUTION-3
    MJ396_4         FORM OF EMPLOYER CONTRIBUTION-4
    MJ397_1         EMPLOYER CONTRIBUTION-PCT-1
    MJ397_2         EMPLOYER CONTRIBUTION-PCT-2
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    MJ397_3         EMPLOYER CONTRIBUTION-PCT-3
    MJ397_4         EMPLOYER CONTRIBUTION-PCT-4
    MJ398_1         AMT-EMPLOYER CONTRIBUTION-1
    MJ398_2         AMT-EMPLOYER CONTRIBUTION-2
    MJ398_3         AMT-EMPLOYER CONTRIBUTION-3
    MJ398_4         AMT-EMPLOYER CONTRIBUTION-4
    MJ402_1         AMOUNT EMPLOYER CONTRIBUTION - PER-1
    MJ402_2         AMOUNT EMPLOYER CONTRIBUTION - PER-2
    MJ402_3         AMOUNT EMPLOYER CONTRIBUTION - PER-3
    MJ402_4         AMOUNT EMPLOYER CONTRIBUTION - PER-4
HRS 2010:
    MJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    MZ136           PREV WAVE SELF/ELSE EMPLOYED
HRS 2012:
    NJ2886_1        PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_1
    NJ2886_10       PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_10
    NJ2886_2        PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_2
    NJ2886_3        PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_3
    NJ2886_4        PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_4
    NJ2886_5        PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_5
    NJ2886_6        PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_6
    NJ2886_7        PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_7
    NJ2886_8        PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_8
    NJ2886_9        PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_9
    NJ2W429_1       HOW PENSION RULES CHANGED -1_1
    NJ2W429_10      HOW PENSION RULES CHANGED -1_10
    NJ2W429_2       HOW PENSION RULES CHANGED -1_2
    NJ2W429_3       HOW PENSION RULES CHANGED -1_3
    NJ2W429_4       HOW PENSION RULES CHANGED -1_4
    NJ2W429_5       HOW PENSION RULES CHANGED -1_5
    NJ2W429_6       HOW PENSION RULES CHANGED -1_6
    NJ2W429_7       HOW PENSION RULES CHANGED -1_7
    NJ2W429_8       HOW PENSION RULES CHANGED -1_8
    NJ2W429_9       HOW PENSION RULES CHANGED -1_9
HRS 2002-2006:
    xJ268           PENSION RULES CHANGED
HRS 2004-2006:
    xJ338A          PENSION PLAN TYPE- 1
    xJ338B          PENSION PLAN TYPE- 2
    xJ338C          PENSION PLAN TYPE- 3
    xJ338D          PENSION PLAN TYPE- 4
    xJ397A          EMPLOYER CONTRIBUTION-PCT-1
    xJ397B          EMPLOYER CONTRIBUTION-PCT-2
    xJ397C          EMPLOYER CONTRIBUTION-PCT-3
    xJ397D          EMPLOYER CONTRIBUTION-PCT-4
    xJ398A          AMT-EMPLOYER CONTRIBUTION-1
    xJ398B          AMT-EMPLOYER CONTRIBUTION-2
    xJ398C          AMT-EMPLOYER CONTRIBUTION-3
    xJ398D          AMT-EMPLOYER CONTRIBUTION-4
    xJ402A          AMOUNT EMPLOYER CONTRIBUTION - PER-1
    xJ402B          AMOUNT EMPLOYER CONTRIBUTION - PER-2
    xJ402C          AMOUNT EMPLOYER CONTRIBUTION - PER-3
    xJ402D          AMOUNT EMPLOYER CONTRIBUTION - PER-4
HRS 2008-2010:
    xJ045           STILL WORKING PREV EMPLOYER
    xJ248           MO-START WORK FOR CURRENT EMPLOYER
    xJ249           YR-START WORK FOR CURRENT EMPLOYER
    xJ256           YR BEGIN CURRENT EMPLOYMENT
    xJ335           # PENSION PLANS INCLUDED
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    xJ336           INCLUDED ONE PLAN OR MORE
    xJ393_1         CERTAINTY ABOUT THE PLAN NAME-BRIEF -1
    xJ393_2         CERTAINTY ABOUT THE PLAN NAME-BRIEF -2
    xJ393_3         CERTAINTY ABOUT THE PLAN NAME-BRIEF -3
    xJ393_4         CERTAINTY ABOUT THE PLAN NAME-BRIEF -4
    xJ856           PARTICIPATING IN NEW PLAN
    xJ863_1         CERTAINTY ABOUT TYPE OF PLAN -1
    xJ863_2         CERTAINTY ABOUT TYPE OF PLAN -2
    xJ863_3         CERTAINTY ABOUT TYPE OF PLAN -3
    xJ863_4         CERTAINTY ABOUT TYPE OF PLAN -4
    xJ894_1         EMPLOYER CONTRIBUTION-PCT -1
    xJ894_2         EMPLOYER CONTRIBUTION-PCT -2
    xJ894_3         EMPLOYER CONTRIBUTION-PCT -3
    xJ894_4         EMPLOYER CONTRIBUTION-PCT -4
    xZ092           PREV WAVE IW MONTH
    xZ093           PREV WAVE IW YEAR
    xZ133           PREV WAVE R HAD PENSION ON JOB
HRS 2012-2016:
    xJ2402_1        AMT EMPLOYER CONTRIBUTION - PER -1_1
    xJ2402_10       AMT EMPLOYER CONTRIBUTION - PER -1_10
    xJ2402_2        AMT EMPLOYER CONTRIBUTION - PER -1_2
    xJ2402_3        AMT EMPLOYER CONTRIBUTION - PER -1_3
    xJ2402_4        AMT EMPLOYER CONTRIBUTION - PER -1_4
    xJ2402_5        AMT EMPLOYER CONTRIBUTION - PER -1_5
    xJ2402_6        AMT EMPLOYER CONTRIBUTION - PER -1_6
    xJ2402_7        AMT EMPLOYER CONTRIBUTION - PER -1_7
    xJ2402_8        AMT EMPLOYER CONTRIBUTION - PER -1_8
    xJ2402_9        AMT EMPLOYER CONTRIBUTION - PER -1_9
HRS 2012-2018:
    xJ2338_10       PENSION PLAN TYPE-DB OR DC -1_10
    xJ2396_10       FORM OF EMPLOYER CONTRIBUTION -1_10
    xJ2397_10       PCT-EMPLOYER CONTRIBUTION -1_10
    xJ2398_10       AMT-EMPLOYER CONTRIBUTION -1_10
    xJ2878_10       FORM OF EMPLOYER CONTRIBUTION -1_10
    xJ2945_10       PENSION RULES CHANGED -1_10
    xJ2W401_10      ANY OTHER PENSIONS_10
    xJ2W403_10      STILL HAVE PLAN NOW_10
    xJ2W407_10      TYPE -1_10
    xJ2W451_10      PLAN ACTIVE OR DEAD -1_10
    xJ2W452_10      WHETHER PLAN FROM NEW OR SAME JOB -1_10
HRS 2012-2022:
    xJ2338_1        PENSION PLAN TYPE-DB OR DC -1_1
    xJ2338_2        PENSION PLAN TYPE-DB OR DC -1_2
    xJ2338_3        PENSION PLAN TYPE-DB OR DC -1_3
    xJ2338_4        PENSION PLAN TYPE-DB OR DC -1_4
    xJ2338_5        PENSION PLAN TYPE-DB OR DC -1_5
    xJ2338_6        PENSION PLAN TYPE-DB OR DC -1_6
    xJ2338_7        PENSION PLAN TYPE-DB OR DC -1_7
    xJ2338_8        PENSION PLAN TYPE-DB OR DC -1_8
    xJ2338_9        PENSION PLAN TYPE-DB OR DC -1_9
    xJ2396_1        FORM OF EMPLOYER CONTRIBUTION -1_1
    xJ2396_2        FORM OF EMPLOYER CONTRIBUTION -1_2
    xJ2396_3        FORM OF EMPLOYER CONTRIBUTION -1_3
    xJ2396_4        FORM OF EMPLOYER CONTRIBUTION -1_4
    xJ2396_5        FORM OF EMPLOYER CONTRIBUTION -1_5
    xJ2396_6        FORM OF EMPLOYER CONTRIBUTION -1_6
    xJ2396_7        FORM OF EMPLOYER CONTRIBUTION -1_7
    xJ2396_8        FORM OF EMPLOYER CONTRIBUTION -1_8
    xJ2396_9        FORM OF EMPLOYER CONTRIBUTION -1_9
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xJ2397_1	PCT-EMPLOYER CONTRIBUTION -1_1
xJ2397_2	PCT-EMPLOYER CONTRIBUTION -1_2
xJ2397_3	PCT-EMPLOYER CONTRIBUTION -1_3
xJ2397_4	PCT-EMPLOYER CONTRIBUTION -1_4
xJ2397_5	PCT-EMPLOYER CONTRIBUTION -1_5
xJ2397_6	PCT-EMPLOYER CONTRIBUTION -1_6
xJ2397_7	PCT-EMPLOYER CONTRIBUTION -1_7
xJ2397_8	PCT-EMPLOYER CONTRIBUTION -1_8
xJ2397_9	PCT-EMPLOYER CONTRIBUTION -1_9
xJ2398_1	AMT-EMPLOYER CONTRIBUTION -1_1
xJ2398_2	AMT-EMPLOYER CONTRIBUTION -1_2
xJ2398_3	AMT-EMPLOYER CONTRIBUTION -1_3
xJ2398_4	AMT-EMPLOYER CONTRIBUTION -1_4
xJ2398_5	AMT-EMPLOYER CONTRIBUTION -1_5
xJ2398_6	AMT-EMPLOYER CONTRIBUTION -1_6
xJ2398_7	AMT-EMPLOYER CONTRIBUTION -1_7
xJ2398_8	AMT-EMPLOYER CONTRIBUTION -1_8
xJ2398_9	AMT-EMPLOYER CONTRIBUTION -1_9
xJ2878_1	FORM OF EMPLOYER CONTRIBUTION -1_1
xJ2878_2	FORM OF EMPLOYER CONTRIBUTION -1_2
xJ2878_3	FORM OF EMPLOYER CONTRIBUTION -1_3
xJ2878_4	FORM OF EMPLOYER CONTRIBUTION -1_4
xJ2878_5	FORM OF EMPLOYER CONTRIBUTION -1_5
xJ2878_6	FORM OF EMPLOYER CONTRIBUTION -1_6
xJ2878_7	FORM OF EMPLOYER CONTRIBUTION -1_7
xJ2878_8	FORM OF EMPLOYER CONTRIBUTION -1_8
xJ2878_9	FORM OF EMPLOYER CONTRIBUTION -1_9
xJ2945_1	PENSION RULES CHANGED -1_1
xJ2945_2	PENSION RULES CHANGED -1_2
xJ2945_3	PENSION RULES CHANGED -1_3
xJ2945_4	PENSION RULES CHANGED -1_4
xJ2945_5	PENSION RULES CHANGED -1_5
xJ2945_6	PENSION RULES CHANGED -1_6
xJ2945_7	PENSION RULES CHANGED -1_7
xJ2945_8	PENSION RULES CHANGED -1_8
xJ2945_9	PENSION RULES CHANGED -1_9
xJ2W401_1	ANY OTHER PENSIONS_1
xJ2W401_2	ANY OTHER PENSIONS_2
xJ2W401_3	ANY OTHER PENSIONS_3
xJ2W401_4	ANY OTHER PENSIONS_4
xJ2W401_5	ANY OTHER PENSIONS_5
xJ2W401_6	ANY OTHER PENSIONS_6
xJ2W401_7	ANY OTHER PENSIONS_7
xJ2W401_8	ANY OTHER PENSIONS_8
xJ2W401_9	ANY OTHER PENSIONS_9
xJ2W403_1	STILL HAVE PLAN NOW_1
xJ2W403_2	STILL HAVE PLAN NOW_2
xJ2W403_3	STILL HAVE PLAN NOW_3
xJ2W403_4	STILL HAVE PLAN NOW_4
xJ2W403_5	STILL HAVE PLAN NOW_5
xJ2W403_6	STILL HAVE PLAN NOW_6
xJ2W403_7	STILL HAVE PLAN NOW_7
xJ2W403_8	STILL HAVE PLAN NOW_8
xJ2W403_9	STILL HAVE PLAN NOW_9
xJ2W407_1	TYPE -1_1
xJ2W407_2	TYPE -1_2
xJ2W407_3	TYPE -1_3
xJ2W407_4	TYPE -1_4
xJ2W407_5	TYPE -1_5

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    xJ2W407_6       TYPE -1_6
    xJ2W407_7       TYPE -1_7
    xJ2W407_8       TYPE -1_8
    xJ2W407_9       TYPE -1_9
    xJ2W451_1       PLAN ACTIVE OR DEAD -1_1
    xJ2W451_2       PLAN ACTIVE OR DEAD -1_2
    xJ2W451_3       PLAN ACTIVE OR DEAD -1_3
    xJ2W451_4       PLAN ACTIVE OR DEAD -1_4
    xJ2W451_5       PLAN ACTIVE OR DEAD -1_5
    xJ2W451_6       PLAN ACTIVE OR DEAD -1_6
    xJ2W451_7       PLAN ACTIVE OR DEAD -1_7
    xJ2W451_8       PLAN ACTIVE OR DEAD -1_8
    xJ2W451_9       PLAN ACTIVE OR DEAD -1_9
    xJ2W452_1       WHETHER PLAN FROM NEW OR SAME JOB -1_1
    xJ2W452_2       WHETHER PLAN FROM NEW OR SAME JOB -1_2
    xJ2W452_3       WHETHER PLAN FROM NEW OR SAME JOB -1_3
    xJ2W452_4       WHETHER PLAN FROM NEW OR SAME JOB -1_4
    xJ2W452_5       WHETHER PLAN FROM NEW OR SAME JOB -1_5
    xJ2W452_6       WHETHER PLAN FROM NEW OR SAME JOB -1_6
    xJ2W452_7       WHETHER PLAN FROM NEW OR SAME JOB -1_7
    xJ2W452_8       WHETHER PLAN FROM NEW OR SAME JOB -1_8
    xJ2W452_9       WHETHER PLAN FROM NEW OR SAME JOB -1_9
HRS 2014-2018:
    xJ2Z140_10      PREV WAVE OLD PENSION TYPE_10
HRS 2014-2022:
    xJ2Z140_1       PREV WAVE OLD PENSION TYPE_1
    xJ2Z140_2       PREV WAVE OLD PENSION TYPE_2
    xJ2Z140_3       PREV WAVE OLD PENSION TYPE_3
    xJ2Z140_4       PREV WAVE OLD PENSION TYPE_4
    xJ2Z140_5       PREV WAVE OLD PENSION TYPE_5
    xJ2Z140_6       PREV WAVE OLD PENSION TYPE_6
    xJ2Z140_7       PREV WAVE OLD PENSION TYPE_7
    xJ2Z140_8       PREV WAVE OLD PENSION TYPE_8
    xJ2Z140_9       PREV WAVE OLD PENSION TYPE_9
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Section L: Health Insurance

Covered by federal government health insurance program

Wave	Variable	Label	Type
1	R1HIGOV	R1HIGOV:W1 R is covered by Gov plan	Categ
2	R2HIGOV	R2HIGOV:W2 R is covered by Gov plan	Categ
3	R3HIGOV	R3HIGOV:W3 R is covered by Gov plan	Categ
4	R4HIGOV	R4HIGOV:W4 R is covered by Gov plan	Categ
5	R5HIGOV	R5HIGOV:W5 R is covered by Gov plan	Categ
6	R6HIGOV	R6HIGOV:W6 R is covered by Gov plan	Categ
7	R7HIGOV	R7HIGOV:W7 R is covered by Gov plan	Categ
8	R8HIGOV	R8HIGOV:W8 R is covered by Gov plan	Categ
9	R9HIGOV	R9HIGOV:W9 R is covered by Gov plan	Categ
10	R10HIGOV	R10HIGOV:W10 R is covered by Gov plan	Categ
11	R11HIGOV	R11HIGOV:W11 R is covered by Gov plan	Categ
12	R12HIGOV	R12HIGOV:W12 R is covered by Gov plan	Categ
13	R13HIGOV	R13HIGOV:W13 R is covered by Gov plan	Categ
14	R14HIGOV	R14HIGOV:W14 R is covered by Gov plan	Categ
15	R15HIGOV	R15HIGOV:W15 R is covered by Gov plan	Categ
16	R16HIGOV	R16HIGOV:W16 R is covered by Gov plan	Categ
1	S1HIGOV	S1HIGOV:W1 S is covered by Gov plan	Categ
2	S2HIGOV	S2HIGOV:W2 S is covered by Gov plan	Categ
3	S3HIGOV	S3HIGOV:W3 S is covered by Gov plan	Categ
4	S4HIGOV	S4HIGOV:W4 S is covered by Gov plan	Categ
5	S5HIGOV	S5HIGOV:W5 S is covered by Gov plan	Categ
6	S6HIGOV	S6HIGOV:W6 S is covered by Gov plan	Categ
7	S7HIGOV	S7HIGOV:W7 S is covered by Gov plan	Categ
8	S8HIGOV	S8HIGOV:W8 S is covered by Gov plan	Categ
9	S9HIGOV	S9HIGOV:W9 S is covered by Gov plan	Categ
10	S10HIGOV	S10HIGOV:W10 S is covered by Gov plan	Categ
11	S11HIGOV	S11HIGOV:W11 S is covered by Gov plan	Categ
12	S12HIGOV	S12HIGOV:W12 S is covered by Gov plan	Categ
13	S13HIGOV	S13HIGOV:W13 S is covered by Gov plan	Categ
14	S14HIGOV	S14HIGOV:W14 S is covered by Gov plan	Categ
15	S15HIGOV	S15HIGOV:W15 S is covered by Gov plan	Categ
16	S16HIGOV	S16HIGOV:W16 S is covered by Gov plan	Categ
1	R1GOVMR	R1GOVMR:W1 R has Gov plan-Medicare	Categ
2	R2GOVMR	R2GOVMR:W2 R has Gov plan-Medicare	Categ
3	R3GOVMR	R3GOVMR:W3 R has Gov plan-Medicare	Categ
4	R4GOVMR	R4GOVMR:W4 R has Gov plan-Medicare	Categ
5	R5GOVMR	R5GOVMR:W5 R has Gov plan-Medicare	Categ
6	R6GOVMR	R6GOVMR:W6 R has Gov plan-Medicare	Categ
7	R7GOVMR	R7GOVMR:W7 R has Gov plan-Medicare	Categ
8	R8GOVMR	R8GOVMR:W8 R has Gov plan-Medicare	Categ
9	R9GOVMR	R9GOVMR:W9 R has Gov plan-Medicare	Categ
10	R10GOVMR	R10GOVMR:W10 R has Gov plan-Medicare	Categ
11	R11GOVMR	R11GOVMR:W11 R has Gov plan-Medicare	Categ
12	R12GOVMR	R12GOVMR:W12 R has Gov plan-Medicare	Categ
13	R13GOVMR	R13GOVMR:W13 R has Gov plan-Medicare	Categ
14	R14GOVMR	R14GOVMR:W14 R has Gov plan-Medicare	Categ
15	R15GOVMR	R15GOVMR:W15 R has Gov plan-Medicare	Categ
16	R16GOVMR	R16GOVMR:W16 R has Gov plan-Medicare	Categ
1	S1GOVMR	S1GOVMR:W1 S has Gov plan-Medicare	Categ
2	S2GOVMR	S2GOVMR:W2 S has Gov plan-Medicare	Categ
3	S3GOVMR	S3GOVMR:W3 S has Gov plan-Medicare	Categ
4	S4GOVMR	S4GOVMR:W4 S has Gov plan-Medicare	Categ
5	S5GOVMR	S5GOVMR:W5 S has Gov plan-Medicare	Categ
6	S6GOVMR	S6GOVMR:W6 S has Gov plan-Medicare	Categ
7	S7GOVMR	S7GOVMR:W7 S has Gov plan-Medicare	Categ
8	S8GOVMR	S8GOVMR:W8 S has Gov plan-Medicare	Categ
9	S9GOVMR	S9GOVMR:W9 S has Gov plan-Medicare	Categ
10	S10GOVMR	S10GOVMR:W10 S has Gov plan-Medicare	Categ
11	S11GOVMR	S11GOVMR:W11 S has Gov plan-Medicare	Categ
12	S12GOVMR	S12GOVMR:W12 S has Gov plan-Medicare	Categ
13	S13GOVMR	S13GOVMR:W13 S has Gov plan-Medicare	Categ
14	S14GOVMR	S14GOVMR:W14 S has Gov plan-Medicare	Categ
15	S15GOVMR	S15GOVMR:W15 S has Gov plan-Medicare	Categ

16	S16GOVMR	S16GOVMR:W16 S has Gov plan-Medicare	Categ
1	R1GOVMD	R1GOVMD:W1 R has Gov plan-Medicaid	Categ
2	R2GOVMD	R2GOVMD:W2 R has Gov plan-Medicaid	Categ
3	R3GOVMD	R3GOVMD:W3 R has Gov plan-Medicaid	Categ
4	R4GOVMD	R4GOVMD:W4 R has Gov plan-Medicaid	Categ
5	R5GOVMD	R5GOVMD:W5 R has Gov plan-Medicaid	Categ
6	R6GOVMD	R6GOVMD:W6 R has Gov plan-Medicaid	Categ
7	R7GOVMD	R7GOVMD:W7 R has Gov plan-Medicaid	Categ
8	R8GOVMD	R8GOVMD:W8 R has Gov plan-Medicaid	Categ
9	R9GOVMD	R9GOVMD:W9 R has Gov plan-Medicaid	Categ
10	R10GOVMD	R10GOVMD:W10 R has Gov plan-Medicaid	Categ
11	R11GOVMD	R11GOVMD:W11 R has Gov plan-Medicaid	Categ
12	R12GOVMD	R12GOVMD:W12 R has Gov plan-Medicaid	Categ
13	R13GOVMD	R13GOVMD:W13 R has Gov plan-Medicaid	Categ
14	R14GOVMD	R14GOVMD:W14 R has Gov plan-Medicaid	Categ
15	R15GOVMD	R15GOVMD:W15 R has Gov plan-Medicaid	Categ
16	R16GOVMD	R16GOVMD:W16 R has Gov plan-Medicaid	Categ
1	S1GOVMD	S1GOVMD:W1 S has Gov plan-Medicaid	Categ
2	S2GOVMD	S2GOVMD:W2 S has Gov plan-Medicaid	Categ
3	S3GOVMD	S3GOVMD:W3 S has Gov plan-Medicaid	Categ
4	S4GOVMD	S4GOVMD:W4 S has Gov plan-Medicaid	Categ
5	S5GOVMD	S5GOVMD:W5 S has Gov plan-Medicaid	Categ
6	S6GOVMD	S6GOVMD:W6 S has Gov plan-Medicaid	Categ
7	S7GOVMD	S7GOVMD:W7 S has Gov plan-Medicaid	Categ
8	S8GOVMD	S8GOVMD:W8 S has Gov plan-Medicaid	Categ
9	S9GOVMD	S9GOVMD:W9 S has Gov plan-Medicaid	Categ
10	S10GOVMD	S10GOVMD:W10 S has Gov plan-Medicaid	Categ
11	S11GOVMD	S11GOVMD:W11 S has Gov plan-Medicaid	Categ
12	S12GOVMD	S12GOVMD:W12 S has Gov plan-Medicaid	Categ
13	S13GOVMD	S13GOVMD:W13 S has Gov plan-Medicaid	Categ
14	S14GOVMD	S14GOVMD:W14 S has Gov plan-Medicaid	Categ
15	S15GOVMD	S15GOVMD:W15 S has Gov plan-Medicaid	Categ
16	S16GOVMD	S16GOVMD:W16 S has Gov plan-Medicaid	Categ
1	R1GOVVA	R1GOVVA:W1 R has Gov plan-Champus/VA	Categ
2	R2GOVVA	R2GOVVA:W2 R has Gov plan-Champus/VA	Categ
3	R3GOVVA	R3GOVVA:W3 R has Gov plan-Champus/VA	Categ
4	R4GOVVA	R4GOVVA:W4 R has Gov plan-Champus/VA	Categ
5	R5GOVVA	R5GOVVA:W5 R has Gov plan-Champus/VA	Categ
6	R6GOVVA	R6GOVVA:W6 R has Gov plan-Champus/VA	Categ
7	R7GOVVA	R7GOVVA:W7 R has Gov plan-Champus/VA	Categ
8	R8GOVVA	R8GOVVA:W8 R has Gov plan-Champus/VA	Categ
9	R9GOVVA	R9GOVVA:W9 R has Gov plan-Champus/VA	Categ
10	R10GOVVA	R10GOVVA:W10 R has Gov plan-Champus/VA	Categ
11	R11GOVVA	R11GOVVA:W11 R has Gov plan-Champus/VA	Categ
12	R12GOVVA	R12GOVVA:W12 R has Gov plan-Champus/VA	Categ
13	R13GOVVA	R13GOVVA:W13 R has Gov plan-Champus/VA	Categ
14	R14GOVVA	R14GOVVA:W14 R has Gov plan-Champus/VA	Categ
15	R15GOVVA	R15GOVVA:W15 R has Gov plan-Champus/VA	Categ
16	R16GOVVA	R16GOVVA:W16 R has Gov plan-Champus/VA	Categ
1	S1GOVVA	S1GOVVA:W1 S has Gov plan-Champus/VA	Categ
2	S2GOVVA	S2GOVVA:W2 S has Gov plan-Champus/VA	Categ
3	S3GOVVA	S3GOVVA:W3 S has Gov plan-Champus/VA	Categ
4	S4GOVVA	S4GOVVA:W4 S has Gov plan-Champus/VA	Categ
5	S5GOVVA	S5GOVVA:W5 S has Gov plan-Champus/VA	Categ
6	S6GOVVA	S6GOVVA:W6 S has Gov plan-Champus/VA	Categ
7	S7GOVVA	S7GOVVA:W7 S has Gov plan-Champus/VA	Categ
8	S8GOVVA	S8GOVVA:W8 S has Gov plan-Champus/VA	Categ
9	S9GOVVA	S9GOVVA:W9 S has Gov plan-Champus/VA	Categ
10	S10GOVVA	S10GOVVA:W10 S has Gov plan-Champus/VA	Categ
11	S11GOVVA	S11GOVVA:W11 S has Gov plan-Champus/VA	Categ
12	S12GOVVA	S12GOVVA:W12 S has Gov plan-Champus/VA	Categ
13	S13GOVVA	S13GOVVA:W13 S has Gov plan-Champus/VA	Categ
14	S14GOVVA	S14GOVVA:W14 S has Gov plan-Champus/VA	Categ
15	S15GOVVA	S15GOVVA:W15 S has Gov plan-Champus/VA	Categ
16	S16GOVVA	S16GOVVA:W16 S has Gov plan-Champus/VA	Categ
1	R1GOVOT	R1GOVOT:W1 R has Gov plan-Other	Categ
2	R2GOVOT	R2GOVOT:W2 R has Gov plan-Other	Categ

3	R3GOVOT	R3GOVOT:W3 R has Gov plan-Other	Categ
1	S1GOVOT	S1GOVOT:W1 S has Gov plan-Other	Categ
2	S2GOVOT	S2GOVOT:W2 S has Gov plan-Other	Categ
3	S3GOVOT	S3GOVOT:W3 S has Gov plan-Other	Categ
E	REHIGOV	REHIGOV:EXIT R was covered by Gov plan	Categ
E	REGOVMR	REGOVMR:EXIT R had Gov plan-Medicare	Categ
E	REGOVVA	REGOVVA:EXIT R had Gov plan-CHAMPUS/CHAMPVA	Categ
E	REGOVMDS	REGOVMDS:EXIT R had Medicaid in last 2 yrs or since PrvIvw	Categ
E	REGOVMDD	REGOVMDD:EXIT R had Medicaid at death	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HIGOV	12445	0.16	0.37	0.0	1.0
R2HIGOV	19587	0.52	0.50	0.0	1.0
R3HIGOV	17912	0.54	0.50	0.0	1.0
R4HIGOV	21274	0.56	0.50	0.0	1.0
R5HIGOV	19491	0.60	0.49	0.0	1.0
R6HIGOV	18118	0.66	0.47	0.0	1.0
R7HIGOV	20052	0.61	0.49	0.0	1.0
R8HIGOV	18417	0.66	0.47	0.0	1.0
R9HIGOV	17154	0.70	0.46	0.0	1.0
R10HIGOV	21679	0.58	0.49	0.0	1.0
R11HIGOV	20415	0.60	0.49	0.0	1.0
R12HIGOV	18597	0.65	0.48	0.0	1.0
R13HIGOV	20659	0.60	0.49	0.0	1.0
R14HIGOV	16954	0.64	0.48	0.0	1.0
R15HIGOV	15481	0.67	0.47	0.0	1.0
R16HIGOV	15538	0.68	0.47	0.0	1.0
S1HIGOV	10132	0.15	0.35	0.0	1.0
S2HIGOV	13071	0.44	0.50	0.0	1.0
S3HIGOV	11888	0.47	0.50	0.0	1.0
S4HIGOV	13947	0.49	0.50	0.0	1.0
S5HIGOV	12703	0.53	0.50	0.0	1.0
S6HIGOV	11615	0.59	0.49	0.0	1.0
S7HIGOV	12939	0.54	0.50	0.0	1.0
S8HIGOV	11717	0.59	0.49	0.0	1.0
S9HIGOV	10618	0.63	0.48	0.0	1.0
S10HIGOV	13322	0.52	0.50	0.0	1.0
S11HIGOV	12425	0.54	0.50	0.0	1.0
S12HIGOV	10950	0.58	0.49	0.0	1.0
S13HIGOV	11694	0.54	0.50	0.0	1.0
S14HIGOV	9283	0.59	0.49	0.0	1.0
S15HIGOV	8403	0.61	0.49	0.0	1.0
S16HIGOV	7768	0.63	0.48	0.0	1.0
R1GOVMR	12441	0.08	0.27	0.0	1.0
R2GOVMR	19583	0.46	0.50	0.0	1.0
R3GOVMR	17919	0.49	0.50	0.0	1.0
R4GOVMR	21277	0.52	0.50	0.0	1.0
R5GOVMR	19485	0.57	0.50	0.0	1.0
R6GOVMR	18115	0.62	0.48	0.0	1.0
R7GOVMR	20061	0.57	0.49	0.0	1.0
R8GOVMR	18420	0.63	0.48	0.0	1.0
R9GOVMR	17156	0.67	0.47	0.0	1.0

R10GOVMR	21681	0.53	0.50	0.0	1.0
R11GOVMR	20421	0.56	0.50	0.0	1.0
R12GOVMR	18605	0.59	0.49	0.0	1.0
R13GOVMR	20668	0.52	0.50	0.0	1.0
R14GOVMR	16976	0.56	0.50	0.0	1.0
R15GOVMR	15498	0.60	0.49	0.0	1.0
R16GOVMR	15548	0.60	0.49	0.0	1.0
S1GOVMR	10130	0.08	0.27	0.0	1.0
S2GOVMR	13072	0.38	0.49	0.0	1.0
S3GOVMR	11893	0.42	0.49	0.0	1.0
S4GOVMR	13949	0.46	0.50	0.0	1.0
S5GOVMR	12703	0.50	0.50	0.0	1.0
S6GOVMR	11615	0.55	0.50	0.0	1.0
S7GOVMR	12947	0.51	0.50	0.0	1.0
S8GOVMR	11719	0.56	0.50	0.0	1.0
S9GOVMR	10620	0.61	0.49	0.0	1.0
S10GOVMR	13328	0.48	0.50	0.0	1.0
S11GOVMR	12427	0.50	0.50	0.0	1.0
S12GOVMR	10954	0.53	0.50	0.0	1.0
S13GOVMR	11701	0.47	0.50	0.0	1.0
S14GOVMR	9297	0.52	0.50	0.0	1.0
S15GOVMR	8407	0.55	0.50	0.0	1.0
S16GOVMR	7775	0.57	0.50	0.0	1.0
R1GOVMD	12441	0.04	0.20	0.0	1.0
R2GOVMD	19548	0.07	0.26	0.0	1.0
R3GOVMD	17850	0.08	0.27	0.0	1.0
R4GOVMD	21238	0.08	0.27	0.0	1.0
R5GOVMD	19472	0.08	0.27	0.0	1.0
R6GOVMD	18065	0.08	0.28	0.0	1.0
R7GOVMD	20006	0.09	0.28	0.0	1.0
R8GOVMD	18340	0.08	0.27	0.0	1.0
R9GOVMD	17061	0.09	0.29	0.0	1.0
R10GOVMD	21559	0.10	0.30	0.0	1.0
R11GOVMD	20327	0.10	0.30	0.0	1.0
R12GOVMD	18501	0.12	0.32	0.0	1.0
R13GOVMD	20562	0.14	0.34	0.0	1.0
R14GOVMD	16867	0.14	0.35	0.0	1.0
R15GOVMD	15383	0.14	0.35	0.0	1.0
R16GOVMD	15465	0.17	0.37	0.0	1.0
S1GOVMD	10130	0.02	0.14	0.0	1.0
S2GOVMD	13058	0.04	0.19	0.0	1.0
S3GOVMD	11873	0.04	0.19	0.0	1.0
S4GOVMD	13933	0.04	0.19	0.0	1.0
S5GOVMD	12700	0.04	0.20	0.0	1.0
S6GOVMD	11599	0.04	0.20	0.0	1.0
S7GOVMD	12931	0.04	0.20	0.0	1.0
S8GOVMD	11690	0.04	0.20	0.0	1.0
S9GOVMD	10604	0.05	0.21	0.0	1.0
S10GOVMD	13284	0.06	0.23	0.0	1.0
S11GOVMD	12406	0.06	0.24	0.0	1.0
S12GOVMD	10930	0.08	0.26	0.0	1.0
S13GOVMD	11657	0.09	0.29	0.0	1.0
S14GOVMD	9247	0.10	0.30	0.0	1.0
S15GOVMD	8380	0.09	0.29	0.0	1.0
S16GOVMD	7754	0.11	0.31	0.0	1.0

R1GOVVA	12442	0.05	0.22	0.0	1.0
R2GOVVA	19482	0.04	0.19	0.0	1.0
R3GOVVA	17888	0.03	0.18	0.0	1.0
R4GOVVA	21294	0.03	0.17	0.0	1.0
R5GOVVA	19506	0.03	0.16	0.0	1.0
R6GOVVA	18118	0.05	0.22	0.0	1.0
R7GOVVA	20071	0.05	0.22	0.0	1.0
R8GOVVA	18410	0.05	0.23	0.0	1.0
R9GOVVA	17164	0.05	0.23	0.0	1.0
R10GOVVA	21723	0.06	0.23	0.0	1.0
R11GOVVA	20447	0.05	0.23	0.0	1.0
R12GOVVA	18637	0.06	0.23	0.0	1.0
R13GOVVA	20725	0.06	0.23	0.0	1.0
R14GOVVA	16996	0.06	0.24	0.0	1.0
R15GOVVA	15523	0.06	0.24	0.0	1.0
R16GOVVA	15590	0.06	0.23	0.0	1.0
S1GOVVA	10130	0.05	0.22	0.0	1.0
S2GOVVA	13016	0.05	0.21	0.0	1.0
S3GOVVA	11886	0.04	0.20	0.0	1.0
S4GOVVA	13953	0.03	0.18	0.0	1.0
S5GOVVA	12707	0.03	0.18	0.0	1.0
S6GOVVA	11613	0.06	0.24	0.0	1.0
S7GOVVA	12952	0.06	0.23	0.0	1.0
S8GOVVA	11718	0.06	0.24	0.0	1.0
S9GOVVA	10628	0.06	0.24	0.0	1.0
S10GOVVA	13347	0.06	0.24	0.0	1.0
S11GOVVA	12447	0.06	0.23	0.0	1.0
S12GOVVA	10968	0.06	0.24	0.0	1.0
S13GOVVA	11714	0.06	0.24	0.0	1.0
S14GOVVA	9297	0.07	0.25	0.0	1.0
S15GOVVA	8412	0.07	0.25	0.0	1.0
S16GOVVA	7790	0.06	0.24	0.0	1.0
R1GOVOT	12428	0.00	0.06	0.0	1.0
R2GOVOT	19482	0.01	0.10	0.0	1.0
R3GOVOT	6986	0.02	0.16	0.0	1.0
S1GOVOT	10127	0.00	0.06	0.0	1.0
S2GOVOT	13016	0.01	0.10	0.0	1.0
S3GOVOT	3597	0.03	0.16	0.0	1.0
REHIGOV	17340	0.94	0.24	0.0	1.0
REGOVMR	17283	0.89	0.31	0.0	1.0
REGOVVA	17331	0.06	0.23	0.0	1.0
REGOVMDS	16770	0.27	0.45	0.0	1.0
REGOVMDD	16723	0.26	0.44	0.0	1.0

Categorical Variable Codes

RwHIGOV: R is covered by Gov plan

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	112	18	12	29	28	24	48	33	40	78
.J=Web interview, missing										
.M=Oth missing	95	29	58	69	49	13	17	14	16	248
.R=RF		8	9	12	10	10	12	5	7	29
0.No	10452	9423	8228	9277	7716	6200	7836	6237	5188	9039
1.Yes	1993	10164	9684	11997	11775	11918	12216	12180	11966	12640

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	74	85	102	70	74	78
.J=Web interview, missing				11	12	13
.M=Oth missing	48	47	118	89	120	134
.R=RF	17	18	33	22	36	24
0.No	8112	6580	8204	6057	5156	4997
1.Yes	12303	12017	12455	10897	10325	10541

SwHIGOV: S is covered by Gov plan

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	52	6	10	11	11	10	21	13	20	35
.J=Web interview, missing										
.M=Oth missing	95	8	17	16	10	5	2	3	4	141
.R=RF		5	2	6	6	9	10	2	4	15
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.No	8651	7321	6357	7096	5975	4796	5925	4763	3886	6337
1.Yes	1481	5750	5531	6851	6728	6819	7014	6954	6732	6985

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	42	41	42	36	32	36
.J=Web interview, missing				15	7	6
.M=Oth missing	11	15	34	18	19	24
.R=RF	6	6	9	6	16	6
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	5707	4582	5392	3828	3252	2862
1.Yes	6718	6368	6302	5455	5151	4906

RwGOVMR: R has Gov plan-Medicare

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	116	21	11	27	34	27	41	32	38	79
.J=Web interview, missing										
.M=Oth missing	95	29	52	69	49	13	17	13	16	248
.R=RF		9	9	11	10	10	10	4	7	26
0.No	11489	10572	9088	10161	8401	6816	8584	6845	5686	10141
1.Yes	952	9011	8831	11116	11084	11299	11477	11575	11470	11540

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	67	80	90	54	64	76
.J=Web interview, missing				7	4	9
.M=Oth missing	48	47	118	88	118	134
.R=RF	18	15	36	21	39	20
0.No	9070	7637	9862	7391	6252	6263
1.Yes	11351	10968	10806	9585	9246	9285

SwGOVMR: S has Gov plan-Medicare

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	54	5	8	9	11	11	15	12	18	30
.J=Web interview, missing										
.M=Oth missing	95	8	14	16	10	5	2	3	4	141
.R=RF		5	2	6	6	8	8	1	4	14
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.No	9339	8062	6889	7602	6377	5169	6342	5112	4154	6906
1.Yes	791	5010	5004	6347	6326	6446	6605	6607	6466	6422

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	39	38	35	27	31	31
.J=Web interview, missing				11	2	4
.M=Oth missing	11	15	34	17	19	24
.R=RF	7	5	9	6	18	6
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	6198	5143	6198	4484	3751	3350
1.Yes	6229	5811	5503	4813	4656	4425

RwGOVMD: R has Gov plan-Medicaid

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	116	8	51	64	48	69	97	109	134	198
.J=Web interview, missing										
.M=Oth missing	95	78	79	69	49	14	17	15	16	248
.R=RF		8	11	13	9	17	9	5	6	29
0.No	11947	18156	16458	19581	17897	16548	18267	16833	15538	19411
1.Yes	494	1392	1392	1657	1575	1517	1739	1507	1523	2148

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	156	182	202	151	163	131
.J=Web interview, missing				14	20	24
.M=Oth missing	48	47	118	90	121	134
.R=RF	23	17	30	24	36	33
0.No	18237	16314	17747	14493	13229	12900
1.Yes	2090	2187	2815	2374	2154	2565

SwGOVMD: S has Gov plan-Medicaid

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	54	4	17	24	14	23	31	40	34	74
.J=Web interview, missing										
.M=Oth missing	95	23	24	16	10	5	2	3	4	141
.R=RF		5	3	7	6	12	8	2	4	14
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.No	9926	12588	11414	13394	12182	11091	12367	11187	10126	12538
1.Yes	204	470	459	539	518	508	564	503	478	746

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	59	63	76	70	52	40
.J=Web interview, missing				15	10	11
.M=Oth missing	11	15	34	18	19	24
.R=RF	8	4	12	8	16	11
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	11656	10100	10593	8333	7597	6898
1.Yes	750	830	1064	914	783	856

RwGOVVA: R has Gov plan-Champus/VA

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	115	60	15	9	17	17	34	40	32	43
.J=Web interview, missing										
.M=Oth missing	95	78	77	69	49	14	17	15	16	248
.R=RF		22	11	12	6	16	7	4	5	20
0.No	11800	18733	17266	20679	18975	17171	19035	17406	16220	20502
1.Yes	642	749	622	615	531	947	1036	1004	944	1221

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	47	52	52	36	46	31
.J=Web interview, missing				11	15	14
.M=Oth missing	48	48	118	90	120	134
.R=RF	12	10	17	13	19	18
0.No	19331	17549	19569	15985	14568	14717
1.Yes	1116	1088	1156	1011	955	873

SwGOVVA: S has Gov plan-Champus/VA

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	54	37	7	5	8	8	12	11	11	14
.J=Web interview, missing										
.M=Oth missing	95	23	22	16	10	5	2	3	4	141
.R=RF		14	2	6	5	13	6	3	3	11
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.No	9591	12414	11397	13484	12304	10928	12222	11017	9969	12544
1.Yes	539	602	489	469	403	685	730	701	659	803

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	22	25	24	19	29	15
.J=Web interview, missing				16	9	7
.M=Oth missing	11	15	34	18	19	24
.R=RF	4	4	7	8	8	4
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	11733	10271	11012	8687	7860	7319
1.Yes	714	697	702	610	552	471

RwGOVOT: R has Gov plan-Other

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	115	60	12							
.M=Oth missing	109	78	25							
.Q=Not asked this wv			10964							
.R=RF		22	4							
0.No	12382	19281	6813							
1.Yes	46	201	173							

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA						
.M=Oth missing						
.Q=Not asked this wv						
.R=RF						
0.No						
1.Yes						

SwGOVOT: S has Gov plan-Other

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	54	37	4							
.M=Oth missing	98	23	8							
.Q=Not asked this wv			8630							
.R=RF		14								
.U=Unmarried	2373	5968	5657							
.V=Spouse NR		584	95							
0.No	10088	12887	3507							
1.Yes	39	129	90							

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA						
.M=Oth missing						
.Q=Not asked this wv						
.R=RF						
.U=Unmarried						
.V=Spouse NR						
0.No						
1.Yes						

REHIGOV: EXIT R was covered by Gov plan

Value	
.D=DK	339
.M=Oth missing	29
.R=RF	4
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	1096
1.Yes	16244

REGOVMR: EXIT R had Gov plan-Medicare

Value	
.D=DK	396
.M=Oth missing	28
.R=RF	5
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	1878
1.Yes	15405

REGOVVA: EXIT R had Gov plan-CHAMPUS/CHAMPVA

Value	
.D=DK	342
.M=Oth missing	32
.R=RF	7
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	16330
1.Yes	1001

REGOVMDS: EXIT R had Medicaid in last 2 yrs or since PrvIvw

Value	
.D=DK	904
.M=Oth missing	32
.R=RF	6
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	12207
1.Yes	4563

REGOVMDD: EXIT R had Medicaid at death

Value	
.D=DK	949
.M=Oth missing	33
.R=RF	7
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	12419
1.Yes	4304

How Constructed

Core Interview Variables

RwHIGOV indicates whether the Respondent is currently covered by any government health insurance program. RwGOVMR, RwGOVMD, RwGOVVA and RwGOVOT indicate whether the Respondent is currently covered by Medicare, Medicaid, VA/CHAMPUS and other government health insurance, respectively. SwHIGOV, SwGOVMR, SwGOVMD, SwGOVVA, SwGOVOT provide the information for the Respondent's spouse or partner.

In Waves 1 and 2H, the question asks if the Respondent (and in Wave 1, the Respondent's spouse) is covered by any government health insurance. RwHIGOV is simply recoded to 0/1 for No/Yes and for missing values from this question. No checks are done on the types of government insurance the Respondent subsequently reports. Please note that some Respondents do not list Medicare, Medicaid, or VA/CHAMPUS as any of the types of government insurance that covers them in these waves. The RwGOVMR, RwGOVMD, RwGOVVA and RwGOVOT are derived from the follow-up questions where the Respondent reports all types of government health insurance programs under which they are covered.

In Wave 2A and from Wave 3 forward, separate questions ask about particular kinds of government health insurance. In all these waves, Medicare and Medicaid are asked about separately. In Waves 2A and 3A, another question asks about other government insurance, including CHAMPUS and CHAMP-VA. In Wave 3H and from Wave 4 forward, only CHAMPUS / CHAMP-VA, and, in 2002, TRI-CARE, are mentioned. The RwGOVMR, RwGOVMD, RwGOVVA and RwGOVOT are derived from these questions. In Wave 3H, R3GOVOT is set to .Q since the information is not obtained, and from Wave 4 forward, RwGOVOT is not available. If the Respondent indicates that they are currently covered by any of these types of insurance, then RwHIGOV is set to yes (=1). If the Respondent responds no to current coverage by all of these types of insurance, then RwHIGOV is set to no (=0). Otherwise, RwHIGOV is set to a missing value based on missing values in the HRS variables. Note that coverage by R6GOVVA increases more than expected for a consistently coded measure. This may be because a) TRI-CARE was not included in the question wording prior to 2002; and b) retired military 65 and over and covered by Medicare were not eligible for TRI-CARE prior to 2001.

S1HIGOV, S1GOVMR, S1GOVMD, S1GOVVA and S1GOVOT for Wave 1 are taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then S1HIGOV, S1GOVMR, S1GOVMD, S1GOVVA and

S1GOVOT are the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then S1HIGOV, S1GOVMR, S1GOVMD, S1GOVVA and S1GOVOT are the Financial Respondent's information.

From Wave 2 on, this information is taken from the spouse's self-reported RwHIGOV, RwGOVMR, RwGOVMD, RwGOVVA and RwGOVOT variable, if available. If the Respondent is not married, SwHIGOV, SwGOVMR, SwGOVMD, SwGOVVA and SwGOVOT are set to .U=unmarried. If the Respondent's spouse did not respond then these are set to .V=Spouse is non-response.

Exit Interview Variables

REHIGOV indicates whether the Respondent was covered by any government health insurance program before death. REGOVMR, REGOVMDD, REGOVMDS, REGOVVA indicate whether the Respondent is covered by Medicare, Medicaid (at death or since previous interview), VA or CHAMPUS.

From Wave 3 on, the Medicaid question is asked in two parts. The first question is whether the Respondent was covered by Medicaid at any time since the previous interview. REGOVMDS is coded to 0/1 for No/Yes. The proxy is then asked if the Respondent was covered by Medicaid at the time of death. REGOVMDD is coded to 0/1 for No/Yes as well. If REGOVMDS is missing, don't know or refused, then REGOVMDD is assigned the same.

From Wave 4 forward, separate questions are asked about the various types of government health insurance. In Waves 2H and 3, a question was asked about other government insurance, including CHAMPUS and CHAMP-VA, or other military programs. From Wave 4 forward, only CHAMPUS / CHAMP-VA, and, in 2002, TRI-CARE, are mentioned. REGOVMR, REGOVMDD, REGOVMDS, and REGOVVA are derived from these questions.

In Wave 2H, the interviewer asks if the Respondent was covered by any government health insurance. REHIGOV is simply recoded to 0/1 for No/Yes and for missing values from this question.

A separate response for "Other government insurance" is used in Wave 3 to construct REHIGOV. If the Respondent indicates that they were covered by any of these types of insurance, then REHIGOV is set to yes (=1). If the proxy indicates the Respondent had no government insurance coverage, then REHIGOV is set to no (=0). Otherwise, REHIGOV is set to a missing value based on missing values in the raw data.

Core and Exit Differences

There are two variables for Medicaid coverage constructed from the Exit raw data. REGOVMDD, Respondent had Medicaid at time of death and REGOVMDS, Respondent had Medicaid any time since previous interview. The set of variables for Medicaid coverage constructed from the Core Interview measures, RwGOVMD, refers to the Respondent having Medicaid at the time of interview.

Cross Wave Differences in Original HRS Data

Core Interview Variables

In Wave 1, the health insurance questions are asked only of the Financial Respondent, about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only.

In Waves 1 and 2H, the government insurance questions begin by asking: "Are you currently covered by any federal government health insurance programs, such as Medicare, Medicaid, or CHAMPUS, VA, or other military programs?" A subsequent question asks: "Which program is that?" and multiple answers are allowed. Separate variables code responses of Medicare, Medicaid, VA/Champus, and Other (including Bureau of Indian Affairs). In Wave 2H responses also include mail handlers insurance, federal employees health insurance, Blue Cross/Blue Shield, local or state government health plan, and HMO. Up to four responses are reported.

In Wave 2A and from Wave 3 forward, questions are asked separately about Medicare, Medicaid, and CHAMPUS/CHAMP-VA

or other government health insurance coverage, with a few variations. In all of these waves the Medicare question is: "Are you currently covered by Medicare health insurance?"

In Wave 2A the Medicaid question is: "Is your health care currently covered by Medicaid?" From Wave 3 forward, the Medicaid questions are: 1) "Have you been covered by Medicaid health insurance at any time (since previous wave interview/in last 2 years)?" and if yes, 2) "Are you currently covered by Medicaid?"

In Waves 2A and 3A, the CHAMPUS and other government health insurance questions are: 1) "Are you currently covered by any other government health insurance programs, such as Railroad Retirement, CHAMPUS, CHAMP-VA, or any other military health programs?" and if yes, 2) "Which program is that?"

In Waves 3H, 4 and 5, the question is: "Are you currently covered by CHAMPUS, CHAMP-VA, or any other military health care plan?" In Wave 6, a new name called TRI_CARE is added that includes what used to be known as CHAMPUS and CHAMP-VA. The question is: "Are you currently covered by TRI_CARE, CHAMPUS, CHAMP-VA or any other military health care plan?" Prior to Wave 6, TRICARE, which replaces CHAMPUS for active and retired military, and is separate from CHAMP-VA, was not included in the question wording. There were also restrictions on coverage by TRICARE when over 65 and covered by Medicare until 2001.

Exit Interview Variables

In Wave 2H, the question asks if the Respondent is covered by any government health insurance. REHIGOV is simply recoded to 0/1 for No/Yes and for missing values from this question. Wave 3 forward constructs the REHIGOV from the separate government insurance questions.

In Wave 4 forward separate questions are asked about the various types of government health insurance. In Waves 2H and 3, a question was asked about other government insurance, including CHAMPUS and CHAMP-VA, or other military programs. From Wave 4 forward, only CHAMPUS / CHAMP-VA, and, in 2002, TRI-CARE, are mentioned. REGOVMR, REGOVMD, REGOVVA are derived from these questions.

From Wave 3 on, REGOVMDS is constructed from the Medicaid question at any time since last interview; REGOVMDD is constructed from the question about Medicaid at time of death. In Wave 2H, there is only one question asked, therefore REGOVMDS and REGOVMDDD are both assigned the same code.

HRS Variables Used

Core Interview Variables

```
HRS 1992:
    V6602           R2:R:FEDRL HLTH INS PRGM
    V6603           R2aA:R:GOVT:MEDICARE
    V6604           R2aB:R:GOVT:MEDICAID
    V6605           R2aC:R:GOVT:VA/CHAMPUS
    V6606           R2aD:R:GOVT:OTHER
AHEAD 1993:
    B1838           R2. R MEDICAID: COVERED
    B1848           R4. R OTHER GOVT INSURANCE: ANY
    B1849           R5. R OTHER GOVT INSURANCE: TYPE
    B754            E31a. R COVERED BY MEDICARE
HRS 1994:
    W6700           R1.COVERED FED GOVT HEAL
    W6701           R1a.WHICH PROGRAM
    W6702           R1a.WHICH PROGRAM
    W6703           R1a.WHICH PROGRAM
    W6704           R1a.WHICH PROGRAM
AHEAD 1995:
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    D126            W1 MEDICARE COVER
    D5144           R1. MEDICARE COVER
    D5155           R2.MEDICAID
    D5158           R4. CURRENTLY ON MEDICAID
    D5175           R5.OTHER GOVT INS
    D5176           R5A. TYPE OTH GVT INS
HRS 1996:
    E5133           R1.MEDICARE COVERAGE
    E5135           R4.MEDICAID SINCE PREV WAVE?
    E5136           R5.CURRENTLY COVERED BY MEDICAID
    E5145           R9.CHAMPUS/CHAMPVA COVERAGE
HRS 1998:
    F5866           R1.MEDICARE COVERAGE
    F5868           R4.MEDICAID SINCE PREV WAVE?
    F5869           R5.CURRENTLY COVERED BY MEDICAID
    F5878           R9.CHAMPUS/CHAMPVA COVERAGE
HRS 2000:
    G6238           R1.MEDICARE COVERAGE
    G6241           R4.MEDICAID SINCE PREV WAVE?
    G6242           R5.CURRENTLY COVERED BY MEDICAID
    G6251           R9.CHAMPUS/CHAMPVA COVERAGE
HRS 2002-2022:
    xN001           MEDICARE COVERAGE
    xN005           MEDICAID COVERAGE SINCE PREV WAVE
    xN006           CURRENTLY COVERED BY MEDICAID
    xN007           CHAMPUS/CHAMPVA COVERAGE
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Exit Interview Variables

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AHEAD 1995:
    N126            W1 MEDICARE COVER
    N5275           R1.MEDICARE COVER
    N5286           R2.MEDICAID
    N5289           R4.CURRENTLY ON MEDICAID
    N5306           R5.OTHER GOVT INS
    N5307           R5a.TYPE OTH GVT INS
HRS 1996:
    P126            PREV WAVE MEDICARE COVER
    P2166           R1. MEDICARE COVER
    P2177           R2.MEDICAID
    P2180           R4. CURRENTLY ON MEDICAID
    P2198           R5.OTHER GOVT INS
    P2199           R5a.TYPE OTH GVT INS
HRS 1998:
    Q2560           R1.MEDICARE COVERAGE
    Q2562           R4.MEDICAID SINCE PREV WAVE?
    Q2563           R5.CURRENTLY COVERED BY MEDICAID
    Q2572           R9.CHAMPUS/CHAMPVA COVERAGE
HRS 2000:
    R2585           R1.MEDICARE COVERAGE
    R2588           R4.MEDICAID SINCE PREV WAVE?
    R2589           R5.CURRENTLY COVERED BY MEDICAID
    R2598           R9.CHAMPUS/CHAMPVA COVERAGE
HRS 2002-2022:
    xN001           MEDICARE COVERAGE
    xN005           MEDICAID COVERAGE SINCE PREV WAVE
    xN006           CURRENTLY COVERED BY MEDICAID
    xN007           CHAMPUS/CHAMPVA COVERAGE
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Tracker Variables

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Tracker:
    AFINR               WHETHER FINANCIAL RESPONDENT
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Medicare/Medicaid HMO monthly premium

Wave	Variable	Label	Type
3	R3MRPREM	R3MRPREM:W3 Medicare/Medicaid HMO Monthly Premium	Cont
4	R4MRPREM	R4MRPREM:W4 Medicare/Medicaid HMO Monthly Premium	Cont
5	R5MRPREM	R5MRPREM:W5 Medicare/Medicaid HMO Monthly Premium	Cont
6	R6MRPREM	R6MRPREM:W6 Medicare/Medicaid HMO Monthly Premium	Cont
7	R7MRPREM	R7MRPREM:W7 Medicare/Medicaid HMO Monthly Premium	Cont
8	R8MRPREM	R8MRPREM:W8 Medicare/Medicaid HMO Monthly Premium	Cont
9	R9MRPREM	R9MRPREM:W9 Medicare/Medicaid HMO Monthly Premium	Cont
10	R10MRPREM	R10MRPREM:W10 Medicare/Medicaid HMO Monthly Premium	Cont
11	R11MRPREM	R11MRPREM:W11 Medicare/Medicaid HMO Monthly Premium	Cont
12	R12MRPREM	R12MRPREM:W12 Medicare/Medicaid HMO Monthly Premium	Cont
13	R13MRPREM	R13MRPREM:W13 Medicare/Medicaid HMO Monthly Premium	Cont
14	R14MRPREM	R14MRPREM:W14 Medicare/Medicaid HMO Monthly Premium	Cont
15	R15MRPREM	R15MRPREM:W15 Medicare/Medicaid HMO Monthly Premium	Cont
16	R16MRPREM	R16MRPREM:W16 Medicare/Medicaid HMO Monthly Premium	Cont
3	S3MRPREM	S3MRPREM:W3 Medicare/Medicaid HMO Monthly Premium	Cont
4	S4MRPREM	S4MRPREM:W4 Medicare/Medicaid HMO Monthly Premium	Cont
5	S5MRPREM	S5MRPREM:W5 Medicare/Medicaid HMO Monthly Premium	Cont
6	S6MRPREM	S6MRPREM:W6 Medicare/Medicaid HMO Monthly Premium	Cont
7	S7MRPREM	S7MRPREM:W7 Medicare/Medicaid HMO Monthly Premium	Cont
8	S8MRPREM	S8MRPREM:W8 Medicare/Medicaid HMO Monthly Premium	Cont
9	S9MRPREM	S9MRPREM:W9 Medicare/Medicaid HMO Monthly Premium	Cont
10	S10MRPREM	S10MRPREM:W10 Medicare/Medicaid HMO Monthly Premium	Cont
11	S11MRPREM	S11MRPREM:W11 Medicare/Medicaid HMO Monthly Premium	Cont
12	S12MRPREM	S12MRPREM:W12 Medicare/Medicaid HMO Monthly Premium	Cont
13	S13MRPREM	S13MRPREM:W13 Medicare/Medicaid HMO Monthly Premium	Cont
14	S14MRPREM	S14MRPREM:W14 Medicare/Medicaid HMO Monthly Premium	Cont
15	S15MRPREM	S15MRPREM:W15 Medicare/Medicaid HMO Monthly Premium	Cont
16	S16MRPREM	S16MRPREM:W16 Medicare/Medicaid HMO Monthly Premium	Cont
E	REMRPREM	REMRPREM:EXIT Medicare/Medicaid HMO Monthly Premium	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3MRPREM	1149	35.74	53.30	0.0	483.0
R4MRPREM	2232	20.61	103.04	0.0	4444.0
R5MRPREM	2311	26.79	49.42	0.0	949.0
R6MRPREM	6041	26.33	64.21	0.0	988.0
R7MRPREM	1961	45.73	70.59	0.0	600.0
R8MRPREM	2011	51.33	85.16	0.0	802.0
R9MRPREM	2330	52.20	93.65	0.0	1800.0
R10MRPREM	3092	26.11	64.66	0.0	861.0
R11MRPREM	213	6.54	32.09	0.0	231.0
R12MRPREM	3201	57.96	87.99	0.0	1500.0
R13MRPREM	3399	66.14	97.95	0.0	2500.0
R14MRPREM	3281	70.50	100.50	0.0	1000.0
R15MRPREM	3396	79.55	666.80	0.0	35170.0
R16MRPREM	4028	57.79	113.47	0.0	2900.0
S3MRPREM	731	39.56	59.34	0.0	483.0
S4MRPREM	1380	23.39	126.76	0.0	4444.0
S5MRPREM	1387	28.95	51.48	0.0	949.0
S6MRPREM	3533	29.08	70.82	0.0	988.0
S7MRPREM	1179	49.78	75.29	0.0	600.0
S8MRPREM	1222	58.15	93.27	0.0	802.0
S9MRPREM	1349	59.72	107.44	0.0	1800.0

S10MRPREM	1702	30.57	72.41	0.0	861.0
S11MRPREM	94	2.91	24.19	0.0	231.0
S12MRPREM	1698	66.16	93.60	0.0	1500.0
S13MRPREM	1759	76.84	94.50	0.0	700.0
S14MRPREM	1645	82.85	109.81	0.0	1000.0
S15MRPREM	1702	101.21	935.88	0.0	35170.0
S16MRPREM	1896	68.54	136.38	0.0	2900.0
REMRPREM	1992	60.00	97.21	0.0	886.0

How Constructed

Core Interview Variables

RwMRPREM indicates the amount in nominal dollars that the Respondent pays monthly for a Medicare/Medicaid HMO insurance plan. SwMRPREM provides the information for the Respondent's spouse or partner.

The Respondent is asked, "Are you currently covered by Medicare health insurance?" and is later asked, "Are you currently covered by (Medicaid/State name for Medicaid)?" If a Respondent indicates having coverage provided through either Medicare or Medicaid, a follow-up question asks if their Medicare/Medicaid is provided through an HMO: "Do you receive your [Medicare/Medicaid/State name for MEDICAID] benefits through [an HMO/a Medicare Advantage Plan, sometimes called a Medicare HMO], that is a Health Maintenance Organization?"

If the Respondent says that their Medicare/Medicaid coverage is provided through an HMO, they are asked, "How much do you, yourself, pay in premiums for this plan?"

The Respondent reports the amount paid as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are converted to monthly amounts.

If the Respondent does not report having Medicare/Medicaid through an HMO, then RwMRPREM is set to .N to indicate no HMO Medicare/Medicaid health insurance plan.

In Wave 11, due to a survey instrument glitch, only individuals covered by Medicaid and not Medicare were asked the premium questions. This results in a large number of .M=missing values for Wave 11.

Exit Interview Variables

REMRPREM indicates the amount in nominal dollars that the Respondent paid monthly for a Medicare/Medicaid HMO insurance plan prior to death.

If the proxy says the Respondent's Medicare/Medicaid coverage is provided through an HMO, they are asked, "Not including co-pays or deductions from Social Security, how much did they pay in premiums for this plan?"

The amount paid is reported as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are converted to monthly amounts. If the Respondent does not have Medicare/Medicaid through an HMO, then REMRPREM is set to .N to indicate no HMO Medicare/Medicaid health insurance plan.

Core and Exit Differences

In the Exit Interview, the questions on premium amounts are not asked in Waves 2H and 3A. In the Core Interview, the questions are not asked in Waves 1 and 2.

Cross Wave Differences in Original HRS Data

Core Interview Variables

The questions on premium amounts are not asked in Waves 1 and 2.

The wording in the question asking for premium amounts varies by wave. In Wave 3A the question asks, "About how much are your premiums for this plan?"

In Wave 3H the premium amount question is worded as, "Not including deductions from your Social Security, how much do you pay for this plan?" In Waves 4 to 9, the premium amount question asks, "Not including co-pays or deductions from your Social Security, how much do you, yourself, pay for this plan?"

In Wave 10, Respondents are first asked the method used to pay their premiums. The question asks, "Some people who have Medicare Advantage pay for their coverage with a deduction from their Social Security checks. Some pay directly to the insurance company. How do you pay for yours?" If the Respondent indicates that payment is paid directly, they are asked the general premium amount questions (see below). If the Respondent indicates that payment deducted from Social Security or that they pay nothing, R10MRPREM is set to 0. Note that there is a follow up question asking amount deducted from Social Security if the Respondent indicates payment through deductions. However, to keep the variable consistent with other waves, this value is not included in R10MRPREM.

Beginning in Wave 10, the premium amount question varies depending on if the individual is covered by Medicare or Medicaid. If the Respondent is covered by a Medicare HMO/Medicare Advantage, the wording is, "How much do you, yourself, pay in premiums for this plan?" If the Respondent is not covered by Medicare, the question asks, "Not including co-pays or deductions from your Social Security, how much do you, yourself, pay for this plan?"

In Wave 11, due to a survey instrument glitch, only individuals covered by Medicaid and not Medicare were asked the premium questions. This results in a large number of .M=missing values for Wave 11.

Exit Interview Variables

The wording in the question asking for premium amounts varies by wave. In Wave 3H the question asks, "About how much are your premiums for this plan?"

From Wave 4 forward, the premium amount question is worded as, "Not including deductions from your Social Security, how much do you pay for this plan?" In Waves 4 to 9, the premium amount question asks, "Not including co-pays or deductions from your Social Security, much did [he/she], [himself/herself], pay in premiums for this plan?"

HRS Variables Used

Core Interview Variables

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AHEAD 1995:
    D5144           R1. MEDICARE COVER
    D5183           R7. MEDICARE/RR HMO
    D5193           R7E.  HOW MUCH R PAY MEDICARE HMO
    D5194           R7F.  PER R7E.
HRS 1996:
    E5133           R1.MEDICARE COVERAGE
    E5148           R11.MEDICARE/MEDICAID THROUGH HMO
    E5152           R11B.AMOUNT PAY FOR PLAN
    E5153           R11B.AMOUNT PAY FOR PLAN PER
HRS 1998:
    F5866           R1.MEDICARE COVERAGE
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    F5881           R11.MEDICARE/MEDICAID THROUGH HMO
    F5885           R11B.AMOUNT PAY FOR PLAN
    F5886           R11B.AMOUNT PAY FOR PLAN-PER
HRS 2000:
    G6238           R1.MEDICARE COVERAGE
    G6254           R11.MEDICARE/MEDICAID THROUGH HMO
    G6258           R11B.AMOUNT PAY FOR PLAN
    G6259           R11Y1B.PER
HRS 2010:
    MN265           MA - SS DEDUCTION
HRS 2002-2022:
    xN001           MEDICARE COVERAGE
    xN006           CURRENTLY COVERED BY MEDICAID
    xN009           MEDICARE/MEDICAID HMO
    xN014           MEDICARE/MEDICAID HMO-AMT PAY
    xN018           MEDICARE/MEDICAID HMO-AMT PAY - PER
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Exit Interview Variables

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HRS 1996:
    P2166           R1. MEDICARE COVER
    P2206           R7. MEDICARE/RR HMO
    P2216           R7e.  HOW MUCH R PAY MEDICARE HMO
    P2217           R7f.  PER R7e.
HRS 1998:
    Q2560           R1.MEDICARE COVERAGE
    Q2575           R11.MEDICARE/MEDICAID THROUGH HMO
    Q2579           R11b.AMOUNT PAY FOR PLAN
    Q2580           R11b.AMT PAY FOR PLAN - PER
HRS 2000:
    R2585           R1.MEDICARE COVERAGE
    R2601           R11Y.MEDICARE/MEDICAID THROUGH HMO
    R2605           R11b.AMOUNT PAY FOR PLAN
    R2606           R11Y1b.PER
HRS 2002-2022:
    xN001           MEDICARE COVERAGE
    xN009           MEDICARE/MEDICAID HMO
    xN014           MEDICARE/MEDICAID HMO-AMT PAY
    xN018           MEDICARE/MEDICAID HMO-AMT PAY - PER
```

Medicare Part D prescription drug insurance monthly premium

Wave	Variable	Label	Type
8	R8RXPREM	R8RXPREM:W8 Prescription Drug Insurance Monthly Premium	Cont
9	R9RXPREM	R9RXPREM:W9 Prescription Drug Insurance Monthly Premium	Cont
10	R10RXPREM	R10RXPREM:W10 Prescription Drug Insurance Monthly Premium	Cont
11	R11RXPREM	R11RXPREM:W11 Prescription Drug Insurance Monthly Premium	Cont
12	R12RXPREM	R12RXPREM:W12 Prescription Drug Insurance Monthly Premium	Cont
13	R13RXPREM	R13RXPREM:W13 Prescription Drug Insurance Monthly Premium	Cont
14	R14RXPREM	R14RXPREM:W14 Prescription Drug Insurance Monthly Premium	Cont
15	R15RXPREM	R15RXPREM:W15 Prescription Drug Insurance Monthly Premium	Cont
16	R16RXPREM	R16RXPREM:W16 Prescription Drug Insurance Monthly Premium	Cont
8	S8RXPREM	S8RXPREM:W8 Prescription Drug Insurance Monthly Premium	Cont
9	S9RXPREM	S9RXPREM:W9 Prescription Drug Insurance Monthly Premium	Cont
10	S10RXPREM	S10RXPREM:W10 Prescription Drug Insurance Monthly Premium	Cont
11	S11RXPREM	S11RXPREM:W11 Prescription Drug Insurance Monthly Premium	Cont
12	S12RXPREM	S12RXPREM:W12 Prescription Drug Insurance Monthly Premium	Cont
13	S13RXPREM	S13RXPREM:W13 Prescription Drug Insurance Monthly Premium	Cont
14	S14RXPREM	S14RXPREM:W14 Prescription Drug Insurance Monthly Premium	Cont
15	S15RXPREM	S15RXPREM:W15 Prescription Drug Insurance Monthly Premium	Cont
16	S16RXPREM	S16RXPREM:W16 Prescription Drug Insurance Monthly Premium	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8RXPREM	3874	48.17	219.32	0.0	7020.0
R9RXPREM	2078	101.42	465.18	0.0	9650.0
R10RXPREM	2146	111.60	446.17	0.0	9650.0
R11RXPREM	2745	63.90	141.50	0.0	3939.0
R12RXPREM	2720	72.20	229.25	0.0	7000.0
R13RXPREM	2638	80.29	320.86	0.0	8220.0
R14RXPREM	2201	68.45	157.32	0.0	4000.0
R15RXPREM	2078	65.24	141.71	0.0	3500.0
R16RXPREM	1256	56.28	127.38	0.0	2760.0
S8RXPREM	2113	52.06	184.20	0.0	3870.0
S9RXPREM	1211	110.02	505.78	0.0	9650.0
S10RXPREM	1218	109.81	421.87	0.0	7180.0
S11RXPREM	1445	72.57	172.28	0.0	3939.0
S12RXPREM	1390	80.14	215.81	0.0	6000.0
S13RXPREM	1303	94.17	370.11	0.0	8220.0
S14RXPREM	1096	78.87	201.06	0.0	4000.0
S15RXPREM	1044	71.47	162.00	0.0	3500.0
S16RXPREM	628	53.20	94.63	0.0	900.0

How Constructed

RwRXPREM indicates the amount in nominal dollars that the Respondent pays monthly for a Medicare prescription drug plan. SwRXPREM provides the information for the Respondent's spouse or partner. The question is first asked in Wave 8, shortly after Medicare Part D was established in 2006.

If a Respondent indicates that they have Medicare coverage, they are first asked to establish whether Medicare coverage is provided

through Original Medicare or a Medicare HMO (also referred to as Medicare Part C or Medicare Advantage). If a Respondent indicates that they are not covered by a Medicare HMO plan that includes prescription drug coverage, they are asked if they have registered for Medicare Part D, which covers prescription drugs. If the Respondent indicates participating in a Part D plan, they are asked, "How much do you, yourself, pay per month in premiums for this plan?" This amount is coded in RwRXPREM.

If the Respondent indicates that the prescription drug insurance premium is covered through a Medicare HMO or a private plan, RwRXPREM is set to .C. If the Respondent does not have prescription drug coverage through Medicare, RwRXPREM is set to .N.

Cross Wave Differences in Original HRS Data

The questions about prescription drug coverage premiums are not asked in Waves 1-7.

The questions about prescription drug coverage premiums are first asked in Wave 8, shortly after Medicare Part D was established in 2006. The wording of the question asking Respondents if they have registered for Part D is different in Wave 8. The Respondent is asked, "Beginning in 2006, Part D of Medicare provides coverage for prescription drugs. Did you sign up to receive Medicare prescription drug coverage in 2006?"

Beginning in Wave 9, the question is worded, "Part D of Medicare provides coverage for prescription drugs, usually through a private insurance provider. Are you enrolled in Medicare Part D, also known as the Medicare Prescription Drug Plan?"

In Waves 9 and 10, before establishing premium amounts, Respondents are first asked the method used to pay their premiums. The question asks: "Many Medicare beneficiaries pay the premium for their Medicare drug coverage through their Social Security checks. Some pay directly to the provider. How do you pay for yours?" If the Respondent's premium is deducted from Social Security, a follow-up question asks: "How much is your Social Security deduction per month for your Part D plan?" Otherwise, Respondents are asked the standard premium question, "How much do you, yourself, pay per month in premiums for this plan?"

From Wave 11 forward, Respondents are no longer asked about the method used to pay their premiums. They are simply asked how much they pay in premiums.

HRS Variables Used

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HRS 2006-2010:
    xN356M1          REASON NOT SIGN UP - 1
    xN356M2          REASON NOT SIGN UP - 2
    xN356M3          REASON NOT SIGN UP - 3
HRS 2006-2022:
    xN351            HMO PAY FOR REGULAR RX DRUGS
    xN352            SIGNED UP MEDICARE RX COVERAGE
    xN404            AMOUNT PAY FOR MONTHLY PREMIUMS
HRS 2008-2010:
    xN423            HOW PAY MEDICARE PREMIUMS
    xN424            SS DEDUCTION MONTHLY PREMIUMS
HRS 2008-2022:
    xN417            PRESCRIPTION DRUG COVERAGE
```

Number of private health insurance plans

Wave	Variable	Label	Type
1	R1PRPCNT	R1PRPCNT:W1 Number of Private Insurance Plans	Cont
2	R2PRPCNT	R2PRPCNT:W2 Number of Private Insurance Plans	Cont
3	R3PRPCNT	R3PRPCNT:W3 Number of Private Insurance Plans	Cont
4	R4PRPCNT	R4PRPCNT:W4 Number of Private Insurance Plans	Cont
5	R5PRPCNT	R5PRPCNT:W5 Number of Private Insurance Plans	Cont
6	R6PRPCNT	R6PRPCNT:W6 Number of Private Insurance Plans	Cont
7	R7PRPCNT	R7PRPCNT:W7 Number of Private Insurance Plans	Cont
8	R8PRPCNT	R8PRPCNT:W8 Number of Private Insurance Plans	Cont
9	R9PRPCNT	R9PRPCNT:W9 Number of Private Insurance Plans	Cont
10	R10PRPCNT	R10PRPCNT:W10 Number of Private Insurance Plans	Cont
11	R11PRPCNT	R11PRPCNT:W11 Number of Private Insurance Plans	Cont
12	R12PRPCNT	R12PRPCNT:W12 Number of Private Insurance Plans	Cont
13	R13PRPCNT	R13PRPCNT:W13 Number of Private Insurance Plans	Cont
14	R14PRPCNT	R14PRPCNT:W14 Number of Private Insurance Plans	Cont
15	R15PRPCNT	R15PRPCNT:W15 Number of Private Insurance Plans	Cont
16	R16PRPCNT	R16PRPCNT:W16 Number of Private Insurance Plans	Cont
1	S1PRPCNT	S1PRPCNT:W1 Number of Private Insurance Plans	Cont
2	S2PRPCNT	S2PRPCNT:W2 Number of Private Insurance Plans	Cont
3	S3PRPCNT	S3PRPCNT:W3 Number of Private Insurance Plans	Cont
4	S4PRPCNT	S4PRPCNT:W4 Number of Private Insurance Plans	Cont
5	S5PRPCNT	S5PRPCNT:W5 Number of Private Insurance Plans	Cont
6	S6PRPCNT	S6PRPCNT:W6 Number of Private Insurance Plans	Cont
7	S7PRPCNT	S7PRPCNT:W7 Number of Private Insurance Plans	Cont
8	S8PRPCNT	S8PRPCNT:W8 Number of Private Insurance Plans	Cont
9	S9PRPCNT	S9PRPCNT:W9 Number of Private Insurance Plans	Cont
10	S10PRPCNT	S10PRPCNT:W10 Number of Private Insurance Plans	Cont
11	S11PRPCNT	S11PRPCNT:W11 Number of Private Insurance Plans	Cont
12	S12PRPCNT	S12PRPCNT:W12 Number of Private Insurance Plans	Cont
13	S13PRPCNT	S13PRPCNT:W13 Number of Private Insurance Plans	Cont
14	S14PRPCNT	S14PRPCNT:W14 Number of Private Insurance Plans	Cont
15	S15PRPCNT	S15PRPCNT:W15 Number of Private Insurance Plans	Cont
16	S16PRPCNT	S16PRPCNT:W16 Number of Private Insurance Plans	Cont
E	REPRPCNT	REPRPCNT:EXIT Number of Private Insurance Plans	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1PRPCNT	12557	0.91	0.64	0.0	5.0
R2PRPCNT	19522	0.87	0.59	0.0	6.0
R3PRPCNT	17841	0.79	0.57	0.0	6.0
R4PRPCNT	21270	0.76	0.57	0.0	6.0
R5PRPCNT	19479	0.76	0.59	0.0	7.0
R6PRPCNT	18042	0.74	0.56	0.0	11.0
R7PRPCNT	20018	0.73	0.62	0.0	23.0
R8PRPCNT	18373	0.67	0.57	0.0	12.0
R9PRPCNT	17099	0.62	0.61	0.0	13.0
R10PRPCNT	21599	0.61	0.60	0.0	12.0
R11PRPCNT	20339	0.57	0.59	0.0	11.0
R12PRPCNT	18512	0.57	0.65	0.0	21.0
R13PRPCNT	20592	0.56	0.61	0.0	11.0
R14PRPCNT	16860	0.53	0.62	0.0	22.0
R15PRPCNT	15328	0.51	0.60	0.0	7.0
R16PRPCNT	15397	0.49	0.61	0.0	7.0
S1PRPCNT	10184	0.95	0.62	0.0	4.0
S2PRPCNT	13049	0.93	0.55	0.0	5.0

S3PRPCNT	11861	0.85	0.55	0.0	6.0
S4PRPCNT	13944	0.84	0.56	0.0	6.0
S5PRPCNT	12689	0.85	0.58	0.0	5.0
S6PRPCNT	11583	0.81	0.54	0.0	5.0
S7PRPCNT	12929	0.80	0.60	0.0	23.0
S8PRPCNT	11693	0.74	0.56	0.0	12.0
S9PRPCNT	10595	0.70	0.61	0.0	13.0
S10PRPCNT	13301	0.67	0.59	0.0	12.0
S11PRPCNT	12398	0.63	0.59	0.0	11.0
S12PRPCNT	10904	0.64	0.65	0.0	21.0
S13PRPCNT	11651	0.62	0.61	0.0	11.0
S14PRPCNT	9225	0.58	0.59	0.0	5.0
S15PRPCNT	8308	0.56	0.61	0.0	7.0
S16PRPCNT	7712	0.55	0.61	0.0	5.0
REPRPCNT	16814	0.51	0.59	0.0	23.0

General Comments

Private health insurance plans encompass all plans purchased on the private market, including coverage purchased through an employer, the individual insurance marketplaces, a union, or a trade association. Previous versions of the RAND HRS Longitudinal File have included variables that describe private plans solely provided by current or former employers, and these variables are still provided for continuity purposes. RwPRPCNT is similar, but not identical, to RwHENUM. For Waves 1-5, RwHENUM is a count of employer-provided health insurance plans only, whereas RwPRPCNT is a count of all private health insurance plans, except long-term care insurance. From Wave 6 forward, RwPRPCNT and RwHENUM are the same, and both are a count of all private health insurance plans, except long-term care insurance. Please see the Number of employer-provided/private health insurance plans section for a full description of RwHENUM.

How Constructed

Core Interview Variables

RwPRPCNT is a count of the number of private health insurance plans the Respondent reports. SwPRPCNT provides the information for the Respondent's spouse or partner. This count does not include long-term care insurance.

In Waves 1 to 5, RwPRPCNT is the sum of the answers to questions which ask about different types of private insurance plans (self-employed, employer-provided, supplemental, and those purchased directly from an insurance company or group). The wording of these questions varies by wave and not all waves ask about all types separately.

Beginning in Wave 6, the number of private health insurance plans is asked in one question and RwPRPCNT is simply the number of plans reported by the Respondent.

SwPRPCNT for Wave 1 is taken from the Financial Respondent's information as appropriate. That is, if the Respondent is the Financial Respondent, then S1PRPCNT contains the Financial Respondent's spouse's information. If the Respondent is the spouse of the Financial Respondent, then S1PRPCNT contains the Financial Respondent's information.

From Wave 2 forward, SwPRPCNT is populated using the spouse's self-reported value for RwPRPCNT, where available. If the Respondent is not married, SwPRPCNT is set to .U=unmarried. If the Respondent's spouse did not respond, then SwPRPCNT is set to .V=Spouse is non-response.

Exit Interview Variables

REPRPCNT is a count of the number of private health insurance plans the Respondent had at time of death. This count does not include long-term care insurance.

In Waves 2H to 5, REPRPCNT is the sum of the answers to questions which ask about different types of private insurance plans (self-employed, employer-provided, supplemental, and those purchased directly from an insurance company or group). The wording of these questions varies by wave and not all waves ask about all types separately.

Beginning in Wave 6, the number of private health insurance plans is asked in one question and REPRPCNT is simply the number of plans reported by the proxy.

Cross Wave Differences in Original HRS Data

Core Interview Variables

In Wave 1, the health insurance questions are asked only of the Financial Respondent about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 forward, health insurance questions are asked of individual Respondents about their own coverage only.

In Waves 1 to 5, RwPRPCNT is the sum of the answers to questions which individually ask about the different types of private insurance plans (self-employed, employer-provided, supplemental, and those purchased directly from an insurance company or group). The wording of these questions varies by wave and not all waves ask about all types separately.

In Wave 1, if a Financial Respondent indicates that they or their spouse have employer-provided insurance, they are asked how many plans they or their spouse have.

The Respondent is then asked if they or their spouse have any other type of private health insurance and to list the types. The number of plans added from this question is based on the number of types of coverage listed, not including government-sourced plans or long-term care insurance. If a Respondent indicates that they have other insurance but does not list a type, this is counted as one private plan.

In Wave 2A, the Respondent is asked about all private plans in one question, "How many different policies do you have (in addition to Medicare)?" In a separate question, Respondents are asked "What kind of coverage do you have?" Since this list includes long-term care insurance, if a Respondent only lists long-term care insurance as the type of coverage they have, then the count is adjusted to "0". Otherwise, the count is the number of policies they list in the private plan question.

In Wave 2H, the Respondent is asked separately about employer-provided insurance, supplemental insurance, and insurance purchased directly from an insurance company or group.

For employer-provided insurance, if the Respondent previously reported having employer-provided health insurance in Wave 1, then a question asks if they are still covered by the same plan. If the response is yes, this is counted as one private plan. If the Respondent does not confirm having the same health insurance as in Wave 1, a separate question asks how many employer-provided plans they have.

The Respondent is then asked if they purchase any coverage directly from an insurance company or organization. If the Respondent says yes, this is counted as one private plan.

Then the Respondent is asked about supplemental insurance. If the Respondent indicates having supplemental insurance, they are asked what type of supplemental coverage they have. The number of plans added from this question is based on the number of types of supplemental coverage they list, not including government-sourced plans or long-term care insurance. If a Respondent indicates having supplemental insurance but does not list a type, this is counted as one private plan.

In Wave 3A, the Respondent is asked, not including long-term care insurance, Medicare/Medicaid, or government health insurance,

"How many other health plans do you currently have?"

In Waves 3H, 4, and 5, the Respondent is asked separately about self-employed insurance, employer-provided insurance, supplemental insurance, and insurance purchased directly from an insurance company or group. In Wave 3H, self-employed individuals are simply asked the employer-provided insurance question.

In Waves 4 and 5, if the Respondent is self-employed, they are asked, "You mentioned earlier that you were self-employed. Do you have health insurance through that business that pays hospital bills?" If the Respondent says yes, this is counted as one private plan.

In Wave 3H, all are asked about employer-provided insurance. In Waves 4 and 5, if a Respondent is not self-employed or does not have insurance through their own business, then they are asked, "(Not including Medicare/(Medicaid/STATE NAME FOR MEDICAID) /CHAMPUS/CHAMP-VA) are you covered by any employer-provided health insurance, through either (a/your or your spouse's/your or your partner's) current or past employer?" and if the Respondent says yes, they are asked, "How many different employer-provided health insurance plans are you covered by?"

If a Respondent is covered by Medicare or Medicaid, they are asked if they have a supplemental plan: "Not counting long-term care insurance or Medicare or any other insurance we've discussed, do you have any additional insurance that pays any part of hospital or doctor bills? Sometimes this is called a Medigap or Medicare Supplement policy." If the Respondent says yes, this is counted as one private plan.

If a Respondent is not covered by Medicare, they are asked about insurance purchased directly from an insurance company or group: "Not counting long-term care policies or the health insurance you already told me about, do you have any other health insurance coverage that you purchased directly from an insurance company or through a membership organization?" If the Respondent says yes, this is counted as one private plan.

Beginning in Wave 6, the number of private insurance plans a Respondent has is asked in one question. The question is prefaced with the following: "Now, we'd like to ask about all the other types of health insurance plans you might have, such as insurance through an employer or a business, coverage for retirees, or health insurance you buy for yourself, including any (Medigap or) other supplemental coverage." The Respondent is then asked, "Do NOT include long-term care insurance. [Other than your Medicare HMO you've just told me about/anything you have just told me about,] how many other such plans do you have?"

Exit Interview Variables

In Waves 2H to 5, REPRPCNT is the sum of the answers to questions which individually ask about the different types of private insurance plans (self-employed, employer-provided, supplemental, and those purchased directly from an insurance company or group). The wording of these questions varies by wave and not all waves ask about all types separately.

In Wave 2H, the proxy is asked separately about the Respondent's employer-provided insurance, supplemental insurance, and insurance purchased directly from an insurance company or group.

For employer-provided insurance, if the Respondent previously reported having employer-provided health insurance in Wave 1, then a question asks if they were still covered by the same plan. If the response is yes, this is counted as one private plan. If the proxy does not confirm having the same health insurance as in Wave 1, a separate question asks how many employer-provided plans the Respondent had.

The proxy is then asked if the Respondent purchased any coverage directly from an insurance company or organization. If the Respondent did, this is counted as one private plan.

HRS Variables Used

Core Interview Variables

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HRS 1992:
    VP6614          R3:EMPLR HLTH INS PLAN/ Sp-Prtnr
    VP6615          R3A:EMP:#PLANS HAVE/ Sp-Prtnr
    VP6632          R14:COV FRM INS CO:IMP/ Sp-Prtnr
    VP6633          R14aA:CO/ORG:BASC HLTH/ Sp-Prtnr
    VP6634          R14aB:CO/ORG:MEDIGAP/ Sp-Prtnr
    VP6635          R14aC:CO/ORG:SUPPLMNTL/ Sp-Prtnr
    VP6636          R14aD:CO/ORG:LN-TRM CR/ Sp-Prtnr
    VP6637          R14aE:CO/ORG:OTHER/ Sp-Prtnr
    VR6614          R3:EMPLR HLTH INS PLAN/ Self
    VR6615          R3A:EMP:#PLANS HAVE/ Self
    VR6632          R14:COV FRM INS CO:IMP/ Self
    VR6633          R14aA:CO/ORG:BASC HLTH/ Self
    VR6634          R14aB:CO/ORG:MEDIGAP/ Self
    VR6635          R14aC:CO/ORG:SUPPLMNTL/ Self
    VR6636          R14aD:CO/ORG:LN-TRM CR/ Self
    VR6637          R14aE:CO/ORG:OTHER/ Self
AHEAD 1993:
    B1859           R6. R OTHER HEALTH INSURANCE: ANY
    B1865A1         R7. R OTHER HEALTH INSURANCE: TYPE-1
    B1865A2         R7. R OTHER HEALTH INSURANCE: TYPE-2
    B1865A3         R7. R OTHER HEALTH INSURANCE: TYPE-3
    B1865A4         R7. R OTHER HEALTH INSURANCE: TYPE-4
    B1866           R8. R OTH HEALTH INS: # DIFF POLICIES
HRS 1994:
    W6705           R2-1.COVERED BY SAME POL
    W6707           R2b-1.STILL COVERED BY W
    W6708           R2-2a.STILL COVERED BY S
    W6709           R2-2b.STILL COVERED BY S
    W6724           R4.CURRENT HEALTH INS FR
    W6725           R4a.# HEALTH INS PLANS F
    W6754           R14.INSURANCE FROM COMPA
    W6757           R14b.SUPPLEMENTARY HEALT
    W6758           R14c.KIND OF PRIVATE HEA
    W6759           R14c.KIND OF PRIVATE HEA
    W6760           R14c.KIND OF PRIVATE HEA
    W6761           R14c.KIND OF PRIVATE HEA
AHEAD 1995:
    D5214           R9. OTHER HEALTH INSURANCE
    D5215           R9A.# OTHER HEALTH INS
HRS 1996:
    E5133           R1.MEDICARE COVERAGE
    E5136           R5.CURRENTLY COVERED BY MEDICAID
    E5145           R9.CHAMPUS/CHAMPVA COVERAGE
    E5158           R12X.SELF-EMP INSURANCE
    E5160           R13.ANY EMPLR INSURANCE FOR HOSP/DR BILL
    E5161           R14.NUMBER OF EMPLOYER PROVIDED PLANS
    E5205           R45B.CHECKPOINT
    E5206           R46.OTHER INSURANCE
    E5218           R48.ANY OTHER HEALTH INSUR
HRS 1998:
    F5869           R5.CURRENTLY COVERED BY MEDICAID
    F5878           R9.CHAMPUS/CHAMPVA COVERAGE
    F5890           R12B.CHECKPOINT
    F5891           R12X.SELF-EMP INSURANCE
    F5893           R13.ANY INSURANCE FOR HOSP/DR BILLS
    F5894           R14.NUMBER OF PLANS
    F5937           R45B.CHECKPOINT
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    F5938           R46.OTHER INSURANCE
    F5950           R48.ANY OTHER HEALTH INSUR
HRS 2000:
    G6263           R12X.CHECKPOINT
    G6264           R12AA.SELF-EMP INSURANCE
    G6266           R13.ANY INSURANCE THRU AN EMPLOYER
    G6267           R14.NUMBER OF PLANS
    G6311           R45B.CHECKPOINT
    G6312           R46.OTHER INSURANCE
    G6324           R48.ANY HEALTH INSUR
    G6325           R48B.ANY OTHER PURCHASED HEALTH INS
HRS 2002-2022:
    xN023           NUM PRIVATE HEALTH INS PLANS
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Exit Interview Variables

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HRS 1994:
    W6705           R2-1.COVERED BY SAME POL
    W6707           R2b-1.STILL COVERED BY W
    W6708           R2-2a.STILL COVERED BY S
    W6709           R2-2b.STILL COVERED BY S
    W6724           R4.CURRENT HEALTH INS FR
    W6725           R4a.# HEALTH INS PLANS F
    W6742           P2. R6a.COST PER MONTH
    W6754           R14.INSURANCE FROM COMPA
    W6757           R14b.SUPPLEMENTARY HEALT
    W6758           R14c.KIND OF PRIVATE HEA
    W6759           R14c.KIND OF PRIVATE HEA
    W6760           R14c.KIND OF PRIVATE HEA
    W6761           R14c.KIND OF PRIVATE HEA
    W6762           R14d1.COST FOR PRIVATE H
AHEAD 1995:
    N5339           R9.OTHER HEALTH INSURANCE
    N5340           R9a.# OTHER HEALTH INS
HRS 1996:
    P2231           R9. OTHER HEALTH INSURANCE
    P2232           R9a.# OTHER HEALTH INS
HRS 1998:
    Q2560           R1.MEDICARE COVERAGE
    Q2563           R5.CURRENTLY COVERED BY MEDICAID
    Q2572           R9.CHAMPUS/CHAMPVA COVERAGE
    Q2584           R12b.CHECKPOINT
    Q2585           R13.ANY INSURANCE FOR HOSP/DR BILLS
    Q2586           R14.NUMBER OF PLANS
    Q2608           R45b.CHECKPOINT
    Q2609           R46.OTHER INSURANCE
    Q2621           R48.ANY OTHER PURCHASED HEALTH INSUR
HRS 2000:
    R2585           R1.MEDICARE COVERAGE
    R2589           R5.CURRENTLY COVERED BY MEDICAID
    R2598           R9.CHAMPUS/CHAMPVA COVERAGE
    R2610           R12x.CHECKPOINT
    R2611           R12aa.SELF-EMP INSURANCE
    R2613           R13.ANY INSURANCE THRU AN EMPLOYER
    R2614           R14.NUMBER OF PLANS
    R2632           R45b.CHECKPOINT
    R2633           R46.OTHER INSURANCE
    R2645           R48.ANY HEALTH INSUR
HRS 2002-2022:
    xN023           NUM PRIVATE HEALTH INS PLANS
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Private health insurance premium amounts

Wave	Variable	Label	Type
1	R1PRPRM1	R1PRPRM1:W1 Private Insurance Plan 1 Monthly Premium	Cont
2	R2PRPRM1	R2PRPRM1:W2 Private Insurance Plan 1 Monthly Premium	Cont
3	R3PRPRM1	R3PRPRM1:W3 Private Insurance Plan 1 Monthly Premium	Cont
4	R4PRPRM1	R4PRPRM1:W4 Private Insurance Plan 1 Monthly Premium	Cont
5	R5PRPRM1	R5PRPRM1:W5 Private Insurance Plan 1 Monthly Premium	Cont
6	R6PRPRM1	R6PRPRM1:W6 Private Insurance Plan 1 Monthly Premium	Cont
7	R7PRPRM1	R7PRPRM1:W7 Private Insurance Plan 1 Monthly Premium	Cont
8	R8PRPRM1	R8PRPRM1:W8 Private Insurance Plan 1 Monthly Premium	Cont
9	R9PRPRM1	R9PRPRM1:W9 Private Insurance Plan 1 Monthly Premium	Cont
10	R10PRPRM1	R10PRPRM1:W10 Private Insurance Plan 1 Monthly Premium	Cont
11	R11PRPRM1	R11PRPRM1:W11 Private Insurance Plan 1 Monthly Premium	Cont
12	R12PRPRM1	R12PRPRM1:W12 Private Insurance Plan 1 Monthly Premium	Cont
13	R13PRPRM1	R13PRPRM1:W13 Private Insurance Plan 1 Monthly Premium	Cont
14	R14PRPRM1	R14PRPRM1:W14 Private Insurance Plan 1 Monthly Premium	Cont
15	R15PRPRM1	R15PRPRM1:W15 Private Insurance Plan 1 Monthly Premium	Cont
16	R16PRPRM1	R16PRPRM1:W16 Private Insurance Plan 1 Monthly Premium	Cont
1	S1PRPRM1	S1PRPRM1:W1 Private Insurance Plan 1 Monthly Premium	Cont
2	S2PRPRM1	S2PRPRM1:W2 Private Insurance Plan 1 Monthly Premium	Cont
3	S3PRPRM1	S3PRPRM1:W3 Private Insurance Plan 1 Monthly Premium	Cont
4	S4PRPRM1	S4PRPRM1:W4 Private Insurance Plan 1 Monthly Premium	Cont
5	S5PRPRM1	S5PRPRM1:W5 Private Insurance Plan 1 Monthly Premium	Cont
6	S6PRPRM1	S6PRPRM1:W6 Private Insurance Plan 1 Monthly Premium	Cont
7	S7PRPRM1	S7PRPRM1:W7 Private Insurance Plan 1 Monthly Premium	Cont
8	S8PRPRM1	S8PRPRM1:W8 Private Insurance Plan 1 Monthly Premium	Cont
9	S9PRPRM1	S9PRPRM1:W9 Private Insurance Plan 1 Monthly Premium	Cont
10	S10PRPRM1	S10PRPRM1:W10 Private Insurance Plan 1 Monthly Premium	Cont
11	S11PRPRM1	S11PRPRM1:W11 Private Insurance Plan 1 Monthly Premium	Cont
12	S12PRPRM1	S12PRPRM1:W12 Private Insurance Plan 1 Monthly Premium	Cont
13	S13PRPRM1	S13PRPRM1:W13 Private Insurance Plan 1 Monthly Premium	Cont
14	S14PRPRM1	S14PRPRM1:W14 Private Insurance Plan 1 Monthly Premium	Cont
15	S15PRPRM1	S15PRPRM1:W15 Private Insurance Plan 1 Monthly Premium	Cont
16	S16PRPRM1	S16PRPRM1:W16 Private Insurance Plan 1 Monthly Premium	Cont
2	R2PRPRM2	R2PRPRM2:W2 Private Insurance Plan 2 Monthly Premium	Cont
3	R3PRPRM2	R3PRPRM2:W3 Private Insurance Plan 2 Monthly Premium	Cont
4	R4PRPRM2	R4PRPRM2:W4 Private Insurance Plan 2 Monthly Premium	Cont
5	R5PRPRM2	R5PRPRM2:W5 Private Insurance Plan 2 Monthly Premium	Cont
6	R6PRPRM2	R6PRPRM2:W6 Private Insurance Plan 2 Monthly Premium	Cont
7	R7PRPRM2	R7PRPRM2:W7 Private Insurance Plan 2 Monthly Premium	Cont
8	R8PRPRM2	R8PRPRM2:W8 Private Insurance Plan 2 Monthly Premium	Cont
9	R9PRPRM2	R9PRPRM2:W9 Private Insurance Plan 2 Monthly Premium	Cont
10	R10PRPRM2	R10PRPRM2:W10 Private Insurance Plan 2 Monthly Premium	Cont
11	R11PRPRM2	R11PRPRM2:W11 Private Insurance Plan 2 Monthly Premium	Cont
12	R12PRPRM2	R12PRPRM2:W12 Private Insurance Plan 2 Monthly Premium	Cont
13	R13PRPRM2	R13PRPRM2:W13 Private Insurance Plan 2 Monthly Premium	Cont
14	R14PRPRM2	R14PRPRM2:W14 Private Insurance Plan 2 Monthly Premium	Cont
15	R15PRPRM2	R15PRPRM2:W15 Private Insurance Plan 2 Monthly Premium	Cont
16	R16PRPRM2	R16PRPRM2:W16 Private Insurance Plan 2 Monthly Premium	Cont
2	S2PRPRM2	S2PRPRM2:W2 Private Insurance Plan 2 Monthly Premium	Cont
3	S3PRPRM2	S3PRPRM2:W3 Private Insurance Plan 2 Monthly Premium	Cont
4	S4PRPRM2	S4PRPRM2:W4 Private Insurance Plan 2 Monthly Premium	Cont
5	S5PRPRM2	S5PRPRM2:W5 Private Insurance Plan 2 Monthly Premium	Cont
6	S6PRPRM2	S6PRPRM2:W6 Private Insurance Plan 2 Monthly Premium	Cont
7	S7PRPRM2	S7PRPRM2:W7 Private Insurance Plan 2 Monthly Premium	Cont
8	S8PRPRM2	S8PRPRM2:W8 Private Insurance Plan 2 Monthly Premium	Cont
9	S9PRPRM2	S9PRPRM2:W9 Private Insurance Plan 2 Monthly Premium	Cont
10	S10PRPRM2	S10PRPRM2:W10 Private Insurance Plan 2 Monthly Premium	Cont
11	S11PRPRM2	S11PRPRM2:W11 Private Insurance Plan 2 Monthly Premium	Cont
12	S12PRPRM2	S12PRPRM2:W12 Private Insurance Plan 2 Monthly Premium	Cont
13	S13PRPRM2	S13PRPRM2:W13 Private Insurance Plan 2 Monthly Premium	Cont
14	S14PRPRM2	S14PRPRM2:W14 Private Insurance Plan 2 Monthly Premium	Cont
15	S15PRPRM2	S15PRPRM2:W15 Private Insurance Plan 2 Monthly Premium	Cont
16	S16PRPRM2	S16PRPRM2:W16 Private Insurance Plan 2 Monthly Premium	Cont

2	R2PRPRM3	R2PRPRM3:W2 Private Insurance Plan 3 Monthly Premium	Cont
3	R3PRPRM3	R3PRPRM3:W3 Private Insurance Plan 3 Monthly Premium	Cont
6	R6PRPRM3	R6PRPRM3:W6 Private Insurance Plan 3 Monthly Premium	Cont
7	R7PRPRM3	R7PRPRM3:W7 Private Insurance Plan 3 Monthly Premium	Cont
8	R8PRPRM3	R8PRPRM3:W8 Private Insurance Plan 3 Monthly Premium	Cont
9	R9PRPRM3	R9PRPRM3:W9 Private Insurance Plan 3 Monthly Premium	Cont
10	R10PRPRM3	R10PRPRM3:W10 Private Insurance Plan 3 Monthly Premium	Cont
11	R11PRPRM3	R11PRPRM3:W11 Private Insurance Plan 3 Monthly Premium	Cont
12	R12PRPRM3	R12PRPRM3:W12 Private Insurance Plan 3 Monthly Premium	Cont
13	R13PRPRM3	R13PRPRM3:W13 Private Insurance Plan 3 Monthly Premium	Cont
14	R14PRPRM3	R14PRPRM3:W14 Private Insurance Plan 3 Monthly Premium	Cont
15	R15PRPRM3	R15PRPRM3:W15 Private Insurance Plan 3 Monthly Premium	Cont
16	R16PRPRM3	R16PRPRM3:W16 Private Insurance Plan 3 Monthly Premium	Cont
2	S2PRPRM3	S2PRPRM3:W2 Private Insurance Plan 3 Monthly Premium	Cont
3	S3PRPRM3	S3PRPRM3:W3 Private Insurance Plan 3 Monthly Premium	Cont
6	S6PRPRM3	S6PRPRM3:W6 Private Insurance Plan 3 Monthly Premium	Cont
7	S7PRPRM3	S7PRPRM3:W7 Private Insurance Plan 3 Monthly Premium	Cont
8	S8PRPRM3	S8PRPRM3:W8 Private Insurance Plan 3 Monthly Premium	Cont
9	S9PRPRM3	S9PRPRM3:W9 Private Insurance Plan 3 Monthly Premium	Cont
10	S10PRPRM3	S10PRPRM3:W10 Private Insurance Plan 3 Monthly Premium	Cont
11	S11PRPRM3	S11PRPRM3:W11 Private Insurance Plan 3 Monthly Premium	Cont
12	S12PRPRM3	S12PRPRM3:W12 Private Insurance Plan 3 Monthly Premium	Cont
13	S13PRPRM3	S13PRPRM3:W13 Private Insurance Plan 3 Monthly Premium	Cont
14	S14PRPRM3	S14PRPRM3:W14 Private Insurance Plan 3 Monthly Premium	Cont
15	S15PRPRM3	S15PRPRM3:W15 Private Insurance Plan 3 Monthly Premium	Cont
16	S16PRPRM3	S16PRPRM3:W16 Private Insurance Plan 3 Monthly Premium	Cont
E	REPRPRM1	REPRPRM1:EXIT Private Insurance Plan 1 Monthly Premium	Cont
E	REPRPRM2	REPRPRM2:EXIT Private Insurance Plan 2 Monthly Premium	Cont
E	REPRPRM3	REPRPRM3:EXIT Private Insurance Plan 3 Monthly Premium	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1PRPRM1	1633	122.25	200.12	0.0	3150.0
R2PRPRM1	11372	142.15	3226.60	0.0	261130.0
R3PRPRM1	8815	94.34	198.15	0.0	9950.0
R4PRPRM1	10862	95.82	216.67	0.0	17333.3
R5PRPRM1	9597	111.60	295.49	0.0	18300.0
R6PRPRM1	10476	129.12	150.76	0.0	900.0
R7PRPRM1	11321	154.00	178.46	0.0	2494.0
R8PRPRM1	9741	158.87	186.90	0.0	3000.0
R9PRPRM1	8341	181.30	252.49	0.0	6307.0
R10PRPRM1	10217	211.67	378.61	0.0	9950.0
R11PRPRM1	9085	213.37	263.25	0.0	5524.0
R12PRPRM1	8154	221.21	289.58	0.0	8360.0
R13PRPRM1	8836	246.16	352.86	0.0	9854.0
R14PRPRM1	6885	250.69	324.64	0.0	6000.0
R15PRPRM1	5954	254.73	323.36	0.0	4500.0
R16PRPRM1	5725	244.98	303.65	0.0	4000.0
S1PRPRM1	1252	127.24	209.02	0.0	3150.0
S2PRPRM1	7564	154.79	3459.34	0.0	261130.0
S3PRPRM1	6103	102.21	216.15	0.0	9950.0
S4PRPRM1	7199	107.39	252.10	0.0	17333.3
S5PRPRM1	6247	124.93	334.15	0.0	18300.0
S6PRPRM1	7227	144.48	164.42	0.0	900.0
S7PRPRM1	7895	173.26	193.15	0.0	2494.0
S8PRPRM1	6749	179.78	204.90	0.0	3000.0
S9PRPRM1	5703	204.60	276.26	0.0	6307.0
S10PRPRM1	6866	234.14	357.73	0.0	9950.0

S11PRPRM1	6104	240.71	281.01	0.0	4800.0
S12PRPRM1	5268	254.68	319.28	0.0	8360.0
S13PRPRM1	5508	284.36	359.81	0.0	8280.0
S14PRPRM1	4136	293.51	360.07	0.0	6000.0
S15PRPRM1	3556	299.79	355.66	0.0	4500.0
S16PRPRM1	3162	281.04	328.13	0.0	4000.0
R2PRPRM2	893	45.49	77.42	0.0	1223.0
R3PRPRM2	769	46.52	79.60	0.0	900.0
R4PRPRM2	235	58.93	72.57	0.0	328.0
R5PRPRM2	520	62.94	135.94	0.0	2166.7
R6PRPRM2	615	53.95	87.67	0.0	500.0
R7PRPRM2	797	52.90	86.45	0.0	600.0
R8PRPRM2	569	54.28	92.68	0.0	800.0
R9PRPRM2	475	76.28	239.24	0.0	3762.0
R10PRPRM2	602	95.54	322.22	0.0	4776.0
R11PRPRM2	509	75.73	154.71	0.0	2500.0
R12PRPRM2	534	70.60	119.70	0.0	1600.0
R13PRPRM2	551	88.41	320.34	0.0	6790.0
R14PRPRM2	465	69.36	114.97	0.0	1200.0
R15PRPRM2	430	70.86	117.85	0.0	1200.0
R16PRPRM2	424	78.99	240.65	0.0	4487.0
S2PRPRM2	686	47.45	71.99	0.0	692.0
S3PRPRM2	511	50.84	88.82	0.0	900.0
S4PRPRM2	199	58.68	72.85	0.0	308.0
S5PRPRM2	415	67.99	148.81	0.0	2166.7
S6PRPRM2	471	57.97	91.33	0.0	500.0
S7PRPRM2	583	60.66	95.26	0.0	600.0
S8PRPRM2	432	63.04	102.41	0.0	800.0
S9PRPRM2	351	81.47	226.97	0.0	3762.0
S10PRPRM2	419	100.62	319.90	0.0	4776.0
S11PRPRM2	342	81.01	123.18	0.0	800.0
S12PRPRM2	361	73.98	107.16	0.0	560.0
S13PRPRM2	345	105.99	391.46	0.0	6790.0
S14PRPRM2	272	77.73	132.66	0.0	1200.0
S15PRPRM2	273	86.90	136.87	0.0	1200.0
S16PRPRM2	220	80.21	132.83	0.0	800.0
R2PRPRM3	53	41.36	57.63	0.0	350.0
R3PRPRM3	4	311.67	396.92	30.0	900.0
R6PRPRM3	53	34.85	83.68	0.0	565.0
R7PRPRM3	87	26.64	49.85	0.0	300.0
R8PRPRM3	60	40.12	93.03	0.0	500.0
R9PRPRM3	58	33.55	61.43	0.0	376.0
R10PRPRM3	105	40.20	97.14	0.0	950.0
R11PRPRM3	74	32.19	58.76	0.0	300.0
R12PRPRM3	115	31.87	48.11	0.0	350.0
R13PRPRM3	137	33.82	48.73	0.0	432.0
R14PRPRM3	112	34.00	49.41	0.0	402.0
R15PRPRM3	101	40.75	51.80	0.0	365.0
R16PRPRM3	119	39.65	92.72	0.0	800.0
S2PRPRM3	37	49.16	65.85	3.0	350.0
S3PRPRM3	2	533.33	518.54	166.7	900.0
S6PRPRM3	40	27.85	43.35	0.0	150.0
S7PRPRM3	60	29.12	57.45	0.0	300.0
S8PRPRM3	45	45.49	106.50	0.0	500.0
S9PRPRM3	40	34.93	67.32	0.0	376.0

S10PRPRM3	73	38.00	41.23	0.0	155.0
S11PRPRM3	49	25.65	41.34	0.0	247.0
S12PRPRM3	77	27.40	37.42	0.0	233.0
S13PRPRM3	82	36.24	38.92	0.0	200.0
S14PRPRM3	57	36.23	41.65	0.0	160.0
S15PRPRM3	65	46.85	58.14	0.0	365.0
S16PRPRM3	61	51.67	124.64	0.0	800.0
REPRPRM1	5282	139.20	191.44	0.0	3500.0
REPRPRM2	291	66.54	109.07	0.0	800.0
REPRPRM3	21	40.76	75.85	0.0	321.0

How Constructed

Core Interview Variables

RwPRPRM1, RwPRPRM2, and RwPRPRM3 indicate the amount in nominal dollars that the Respondent pays in monthly premiums for their private health insurance plan(s). SwPRPRM1, SwPRPRM2, and SwPRPRM3 provide the information for the Respondent's spouse or partner.

In Waves 1 to 5, Respondents are asked about their private health insurance plan premiums by type of plan (employer-provided, supplemental, purchased directly from an insurance company or group). The wording of these questions varies by wave and not all waves ask about all types separately.

From Wave 6 forward, Respondents are asked about their three most important private health insurance plans.

In Wave 3A and Waves 6 to 11, if a Respondent indicates having a private health insurance plan, they are asked if they pay all/some/none of the costs of the premium.

In Waves 2H, 3H, 4, and 5, if a Respondent indicates that they have a private employer-provided health insurance plan, they are asked if they pay all/some/none of the costs of the premium.

In Waves 3H, 4, and 5, if a Respondent indicates that they have a private supplemental health insurance plan, they are asked if they pay all/some/none of the costs of the premium.

In all waves, if the Respondent indicates that they pay all or some of the cost of the premium or there is no initial question about how much of the premium the Respondent pays, the Respondent is asked how much they pay for this insurance.

The Respondent reports amount paid as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are converted to monthly amounts.

RwPRPRMx, where "x" is the relevant plan number, is set to .S when the premium question is skipped. The question(s) may be skipped for a variety of reasons, including: no (more) private health insurance plans, the Respondent does not know or refuses to answer the number of private health insurance plans question, or the question was not asked for a specific type of private health plan.

SwPRPRM1 for Wave 1 is taken from the Financial Respondent's information if appropriate. That is, if the Respondent is the Financial Respondent, then S1PRPRM1 contains the Financial Respondent's spouse's information. If the Respondent is the spouse of the Financial Respondent, then S1PRPRM1 contains the Financial Respondent's information.

From Wave 2 forward, this information is taken from the spouse's self-reported RwPRPRM1-3 variables, if available. If the Respondent is not married, SwPRPRM1-3 is set to .U=unmarried. If the Respondent's spouse did not respond, then SwPRPRM1-3 is set to .V=Spouse is non-response.

Users should note that if summing total household insurance plan premium amounts, that double counting can occur since insurance plans can cover both the Respondent and their spouse. Please refer the the RwPRSRC1-3 variables documented in the "Source of private health insurance plans" section and consider using these variables in creating a total household insurance plan premium amount value.

Exit Interview Variables

REPRPRM1, REPRPRM2, and REPRPRM3 indicate the amount in nominal dollars that the Respondent paid in monthly premiums for their private health insurance plan(s) at time of death.

In Waves 2H to 5, the proxy is asked about the Respondent's private health insurance plan premiums by type of plan (employer-provided, supplemental, purchased directly from an insurance company or group). The wording of these questions varies by wave and not all waves ask about all types separately.

From Wave 6 forward, the proxy is asked about the Respondent's three most important private health insurance plans.

In Wave 3A and Waves 6 to 11, if a proxy indicates the Respondent had a private health insurance plan, they are asked if they pay all/some/none of the costs of the premium.

In Waves 2H, 3H, 4, and 5, if a proxy indicates that the Respondent had a private employer-provided health insurance plan, they are asked if the Respondent paid all/some/none of the costs of the premium.

In Waves 3H, 4, and 5, if a proxy indicates that the Respondent had a private supplemental health insurance plan, they are asked if the Respondent paid all/some/none of the costs of the premium.

In all waves, if the proxy indicates that the Respondent paid all or some of the cost of the premium or if there is no initial question about how much of the premium the Respondent paid, the proxy is asked how much the Respondent paid for that insurance.

The proxy reports amount paid as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are converted to monthly amounts.

REPRPRM1 is set to .X if the proxy reports that the Respondent owned 0 private health plans. Similarly, REPRPRM2 is set to .X if the proxy reports 0-1 private health plans, and REPRPRM3 is set to .X if the proxy reports 0-2 private health plans.

Cross Wave Differences in Original HRS Data

Core Interview Variables

In Wave 1, the health insurance questions are asked only of the Financial Respondent about the Financial Respondent's insurance coverage and, if married, their spouse's insurance coverage. From Wave 2 forward, health insurance questions are asked of individual Respondents about their own coverage only.

In Wave 1, the Respondent only reports premiums for their supplemental plans or plans purchased directly from an insurance company or group. However, this can include long-term care insurance. The question asks, "How much do you pay for this insurance?" and it is unclear if the Respondent responds for all supplemental/other plans or just the most important plan. In a separate question, the Respondent lists the types of private health insurance plans they have (other than employer-provided plans). If the Respondent only reports a long-term care insurance plan, then R1PRPRM1 is set to .L to indicate that the premium amount is only for a long-term care insurance plan. In this instance, the premium amount is recorded in R1LTCPRM. If a Respondent lists long-term care and another type of insurance (such as Medigap), these both may be part of the premium listed in R1PRPRM1. There are no questions about the second or third supplemental plan or about employer-provided insurance premiums in Wave 1.

In Wave 2A, the Respondent reports premiums for all private plans in one question which asks, "Again, not counting Medicare,

how much do you pay for this policy/Taken together, how much do you pay for these policies?)" Note therefore that if the Respondent has reported multiple private health insurance plans, the sum of the premiums is reported in R2PRPRM1. In a separate question, Respondents are asked "What kind of coverage do you have?" Since this list includes long-term care insurance, if a Respondent only lists long-term care insurance as the type of coverage they have, then R2PRPRM1 is set to .L to indicate that the premium amount is only for a long-term care insurance plan. In this instance, the premium amount is recorded in R2LTCPRM. Since all private health insurance plan premiums are reported in one location, there are no premium variables for the second or third plans in Wave 2A.

In Wave 2H, the Respondent is asked about employer-provided plans, other/supplemental plans, and plans direct from an insurance company or group separately.

For the employer-provided plans in Wave 2H, the amount of the premium is not asked if (1) a preloaded value indicates that the Respondent reported being covered by employer-provided health insurance at Wave 1, and (2) if the Respondent indicates that they are still covered by that source. In this instance, R2PRPRM1 is set to .C to indicate that the Respondent has a plan, but the premium amount is not available. Otherwise, Respondents who indicate having employer-provided plans are asked, "About how much per month do you pay under this plan?"

In Wave 2H, the Respondent is asked about plans purchased directly from an insurance company or group. If the Respondent indicates having such coverage, they are asked, "How much do you pay for this insurance (per month or quarter)?"

In Wave 2H, the Respondent is then asked about supplemental plans. If the Respondent indicates having a supplemental plan, they are asked "What kind of coverage do you have?" Since this list includes long-term care insurance, if a Respondent only lists long-term care insurance as the type of coverage they have, then R2PRPRM1 is set to .L to indicate that the premium amount is only for a long-term care insurance plan. In this instance, the premium amount is recorded in R2LTCPRM. After indicating the type of plan, the Respondent is then asked, "How much do you pay for this insurance?"

In Wave 3A, if the Respondent indicates having one private health insurance plan, they are asked about that plan. If the Respondent indicates having more than one private health insurance plan, they are asked about the first plan first, then about all other plans combined. For each round, the Respondent is asked, "How is this coverage paid for–entirely by you (or your husband/or your wife/or your partner), entirely by your (husband's/wife's/partner's) (former) employer or union, or partly by a (former) employer or union, or what?" If the Respondent indicates that the plan is entirely paid for by an employer or union, then the premium amount is coded as "0". Otherwise, the Respondent is asked, "About how much do you pay for this plan?"

In Wave 3A, there was an erroneous skip pattern that affected 1,172 Respondents. If the Respondent listed one private plan, the follow-up questions on source and premium amount were skipped. At some point, this issue was fixed but 1,172 Respondents were affected. For these individuals, the premium variable is coded as .M for other missing.

In Waves 3H, 4, and 5, the Respondent is asked about employer-provided plans, other/supplemental plans, and plans purchased directly from an insurance company or group separately.

In Waves 3H and 4, for employer-provided plans, if a Respondent indicates having an employer-provided plan or a plan through self-employment, then they are first asked, "Do you pay all of the costs, some of the costs, or none of the costs of the premium for this health insurance coverage?" If the Respondent indicates that they pay none of the cost, then the premium amount is coded as "0". Otherwise, the Respondent is asked, "How much do you pay for this health insurance?"

In Wave 5, employer-provided plan questions are similar to Waves 3H and 4, with a few exceptions. Those who indicate having a plan through self-employment and ARE covered by Medicare are not asked the premium or source questions. Those who indicate having a plan through self-employment and ARE NOT covered by Medicare are asked the premium and source questions in a separate question, the same question for those who obtain insurance direct from an insurance company or group. If the Respondent obtains health insurance through their spouse, then the premium amount question is not asked and the premium variable is coded as .C to indicate coverage by spouse.

In Waves 4 and 5, for employer-provided plans, if the Respondent does not list the time period for amount paid (e.g., bi-weekly, monthly), then the monthly amount cannot be calculated and RwPRPRMx, where 'x' is the relevant plan number, is set to .K.

In Waves 3H, 4, and 5, the Respondent is then asked about supplemental plans. If the Respondent indicates having a supplemental private health plan, they are asked if they pay some/all/none of the costs. If the Respondent pays none of the cost, then the premium amount is coded as "0", otherwise the Respondent is asked how much they pay. The Respondent is then asked about plans direct from an insurance company or group. If the Respondent indicates coverage, the questions are similar to the supplemental plan questions. Note that in Wave 5, the premiums for those who have a plan through self-employment and ARE NOT covered by Medicare are obtained in this group of questions.

From Wave 6 forward, Respondents are asked about their three most important private health insurance plans.

In Waves 6 to 11, if a Respondent indicates having one or more private plans, a question asks, "Including any help from your family, do you [or your husband/wife/partner] pay all of the costs, some of the costs, or none of the costs of the premium for this health insurance coverage?" If the Respondent indicates that they pay none of the cost, then the premium amount is coded as "0". Otherwise, the Respondent is next asked, "How much do you [or your] [husband/wife/partner] pay per month in premiums for this plan?"

From Wave 12 forward, the Respondent is not asked what portion of the premium they pay. The Respondent is simply asked, "How much do you [or your] [husband/wife/partner] pay per month in premiums for this plan (for you and any members of your household that are also covered)?"

Exit Interview Variables

In Wave 2H, the proxy is asked about employer-provided plans, other/supplemental plans, and plans direct from an insurance company or group separately.

For the employer-provided plans in Wave 2H, the amount of the premium is not asked if (1) a preloaded value indicates that the Respondent reported being covered by employer-provided health insurance at Wave 1, and (2) if the proxy indicates that the Respondent was still covered by that source. In this instance, REPRPRM1 is set to .C to indicate that the Respondent had a plan, but the premium amount is not available. Otherwise, proxies for Respondents who had employer-provided plans are asked, "About how much per month do you pay under this plan?" Note that in Wave 2H, there is no separately worded survey for the proxy.

In Wave 2H, the proxy is asked about plans purchased directly from an insurance company or group. If the Respondent had such coverage, the proxy is asked, "How much do you pay for this insurance (per month or quarter)?"

In Wave 2H, the proxy is then asked about supplemental plans. If the Respondent had a supplemental plan, the proxy is asked "What kind of coverage do you have?" Since this list includes long-term care insurance, if a proxy only lists long-term care insurance as the type of coverage the Respondent had, then REPRPRM1 is set to .L to indicate that the premium amount is only for a long-term care insurance plan. In this instance, the premium amount is recorded in RELTCPRM. After indicating the type of plan, the proxy is then asked, "How much do you pay for this insurance?"

In Wave 3A, if the proxy indicates the Respondent had one private health insurance plan, they are asked about that plan. If the Respondent had more than one private health insurance plan, the proxy is asked about the first plan first, then about all other plans combined. For each round, the proxy is asked, "How was this coverage paid for–entirely by (him/her) (or his/her husband/or his/her wife/or his/her partner/...), entirely by (his/her) (husband's/wife's/partner's/...) (former) employer or union, or partly by a (former) employer or union, or what?" If the proxy indicates that the plan was entirely paid for by an employer or union, then the premium amount is coded as "0." Otherwise, the proxy is asked, "About how much were (his/her) premiums for this plan?"

In Waves 3H, 4, and 5, the proxy is asked about employer-provided plans, other/supplemental plans, and plans purchased directly from an insurance company or group separately.

In Waves 3H and 4, for employer-provided plans, if a Respondent had an employer-provided plan or a plan through self-employment, then the proxy is first asked, "Did (he/she) or you pay all of the costs, some of the costs, or none of the costs of the premium for this health insurance coverage?" If the Respondent indicates that they paid none of the cost, then the premium amount is coded as "0." Otherwise, the Respondent is asked, "How much was (he/she) paying for this health insurance coverage?"

In Wave 5, employer-provided plan questions are similar to Waves 3H and 4, with a few exceptions. Those who had a plan through self-employment and were covered by Medicare are not asked the premium or source questions. Those who had a plan through self-employment and were not covered by Medicare are asked the premium and source questions in a separate question, the same question for those who obtain insurance directly from an insurance company or group. If the Respondent obtained health insurance through their spouse, then the premium amount question is not asked, and the premium variable is coded as .C to indicate coverage by spouse.

In Waves 4 and 5, for employer-provided plans, if the proxy does not list the time period for amount paid (e.g., bi-weekly, monthly), then the monthly amount cannot be calculated and REPRPRMx, where 'x' is the relevant plan number, is set to .K.

In Waves 3H, 4, and 5, the proxy is then asked about supplemental plans. If the Respondent had a supplemental private health plan, the proxy is asked if the Respondent paid some/all/none of the costs. If the Respondent paid none of the cost, then the premium amount is coded as "0," otherwise the proxy is asked how much the Respondent paid. The proxy is then asked about direct plans from an insurance company or group. If the Respondent had coverage, the questions are similar to the supplemental plan questions. Note that in Wave 5, the premiums for those who have a plan through self-employment and ARE NOT covered by Medicare are obtained in this group of questions.

From Wave 6 forward, the proxy is asked about the Respondent's three most important private health insurance plans.

In Waves 6 to 11, if a Respondent had one or more private plans, a question asks, "Including any help from [her/his] family, did [she/he] [or/or her/his] [you/husband/wife/partner] pay all of the costs, some of the costs, or none of the costs of the premium for this health insurance coverage?" If the Respondent paid none of the cost, then the premium amount is coded as "0." Otherwise, the proxy is next asked, "How much did [he/she] [you or your] [husband/wife/partner] pay per month in premiums for this plan for [him/her/self] and any members of [his/her] household that were also covered?"

From Wave 12 forward, the proxy is not asked what portion of the premium the Respondent paid. The proxy is simply asked, "How much did [he/she] (or [you/[his/her] [husband/wife/partner]]) pay per month in premiums for this plan for [himself/herself] and any members of [his/her] household that were also covered?"

HRS Variables Used

Core Interview Variables

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HRS 1992:
    VP6632          R14:COV FRM INS CO:IMP/ Sp-Prtnr
    VP6638          R14B:CO/ORG:$ PLN :IMP/ Sp-Prtnr
    VP6639          R14B:CO/ORG:COST P:IMP/ Sp-Prtnr
    VR6632          R14:COV FRM INS CO:IMP/ Self
    VR6638          R14B:CO/ORG:$ PLN :IMP/ Self
    VR6639          R14B:CO/ORG:COST P:IMP/ Self
AHEAD 1993:
    B1859           R6. R OTHER HEALTH INSURANCE: ANY
    B1865A1         R7. R OTHER HEALTH INSURANCE: TYPE-1
    B1865A2         R7. R OTHER HEALTH INSURANCE: TYPE-2
    B1865A3         R7. R OTHER HEALTH INSURANCE: TYPE-3
    B1865A4         R7. R OTHER HEALTH INSURANCE: TYPE-4
    B1866           R8. R OTH HEALTH INS: # DIFF POLICIES
    B1867           R9. R OTH HEALTH INS: TOTAL COST TO R
    B1868           R9a. R OTH HEALTH INSUR: TOT COST PERIOD
HRS 1994:
    W6705           R2-1.COVERED BY SAME POL
    W6707           R2b-1.STILL COVERED BY W
    W6708           R2-2a.STILL COVERED BY S
    W6709           R2-2b.STILL COVERED BY S
    W6711           R3a.COST PER MONTH
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    W6724           R4.CURRENT HEALTH INS FR
    W6725           R4a.# HEALTH INS PLANS F
    W6728           P1. R6a.COST PER MONTH
    W6733           P1. R7.WHO PAYS FOR INSU
    W6742           P2. R6a.COST PER MONTH
    W6747           P2. R7.WHO PAYS FOR INSU
    W6754           R14.INSURANCE FROM COMPA
    W6755           R14a.COST OF INSURANCE
    W6756           R14a1.PER
    W6757           R14b.SUPPLEMENTARY HEALT
    W6758           R14c.KIND OF PRIVATE HEA
    W6759           R14c.KIND OF PRIVATE HEA
    W6761           R14c.KIND OF PRIVATE HEA
    W6762           R14d1.COST FOR PRIVATE H
    W6763           R14d2.PER
AHEAD 1995:
    D5214           R9. OTHER HEALTH INSURANCE
    D5215           R9A.# OTHER HEALTH INS
    D5226           R10E. HOW PAY FOR HMO-1
    D5227           R10F.  HOW MUCH R PAY HMO-1
    D5228           R10G.  PER R10F.
    D5243           R11E. HOW PAY FOR HMO-1
    D5244           R11F.  HOW MUCH R PAY HMO-1
    D5245           R11G.  PER R11F.
HRS 1996:
    E5161           R14.NUMBER OF EMPLOYER PROVIDED PLANS
    E5165_1         R15B.CHECKPOINT
    E5165_2         R15B.CHECKPOINT
    E5166_1         R16.PAY COSTS FOR HEALTH INSURANCE
    E5166_2         R16.PAY COSTS FOR HEALTH INSURANCE
    E5167_1         R17.AMT PAID OTHER PLANS
    E5167_2         R17.AMT PAID OTHER PLANS
    E5168_1         R17.AMT PAID OTHER PLANS PER
    E5168_2         R17.AMT PAID OTHER PLANS PER
    E5206           R46.OTHER INSURANCE
    E5208           R46B.PAY ALL/SOME/NONE OF PREMIUM
    E5209           R46C.SUPPLEMENT AMT PAY
    E5210           R46CA.SUPPLEMENT AMT PAY PER
    E5218           R48.ANY OTHER HEALTH INSUR
    E5219           R50.COVER HOSPITAL/PHYSICAL VISITS
    E5220           R51.R PAY COST
    E5221           R52.AMT PAY FOR OTHER HEALTH INSURANCE
    E5222           R52A.AMT PAY FOR OTHER HEALTH INSUR PER
HRS 1998:
    F5894           R14.NUMBER OF PLANS
    F5898           R15B.CHECKPOINT
    F5899           R16.PAY COSTS FOR HEALTH INSURANCE
    F5900           R17.AMT PAID
    F5901           R17.AMT PAID-PER
    F5938           R46.OTHER INSURANCE
    F5940           R46B.PAY ALL/SOME/NONE OF PREMIUM
    F5941           R46C.AMT PAY
    F5942           R46CA.AMT PAY-PER
    F5950           R48.ANY OTHER HEALTH INSUR
    F5953           R52.AMT PAY FOR HEALTH INSURANCE
    F5954           R52A.AMT PAY FOR HEALTH INSURANCE-PER
HRS 2000:
    G6238           R1.MEDICARE COVERAGE
    G6264           R12AA.SELF-EMP INSURANCE
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    G6266           R13.ANY INSURANCE THRU AN EMPLOYER
    G6271           R15B.CHECKPOINT
    G6272           R16.PAY COSTS FOR HEALTH INSURANCE
    G6273           R17.AMT PAID
    G6274           R17Y1. PER
    G6312           R46.OTHER INSURANCE
    G6314           R46B.PAY ALL/SOME/NONE OF PREMIUM
    G6315           R46C.AMT PAY
    G6316           R46CA.PER
    G6324           R48.ANY HEALTH INSUR
    G6325           R48B.ANY OTHER PURCHASED HEALTH INS
    G6327           R52.AMT PAY FOR HEALTH INSURANCE
    G6328           R52A.PER
HRS 2002-2012:
    xN039_1         PAY ALL/SOME/NONE PRIV PLAN HI COSTS- 1
    xN039_2         PAY ALL/SOME/NONE PRIV PLAN HI COSTS- 2
    xN039_3         PAY ALL/SOME/NONE PRIV PLAN HI COSTS-3
HRS 2002-2022:
    xN023           NUM PRIVATE HEALTH INS PLANS
    xN040_1         PRIV PLAN HI PAY PER/MONTH- AMT- 1
    xN040_2         PRIV PLAN HI PAY PER/MONTH- AMT- 2
    xN040_3         PRIV PLAN HI PAY PER/MONTH- AMT- 3
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Exit Interview Variables

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HRS 1994:
    W6705           R2-1.COVERED BY SAME POL
    W6707           R2b-1.STILL COVERED BY W
    W6708           R2-2a.STILL COVERED BY S
    W6709           R2-2b.STILL COVERED BY S
    W6711           R3a.COST PER MONTH
    W6724           R4.CURRENT HEALTH INS FR
    W6725           R4a.# HEALTH INS PLANS F
    W6726           P1. R5.HOW OBTAINED
    W6728           P1. R6a.COST PER MONTH
    W6733           P1. R7.WHO PAYS FOR INSU
    W6740           P2. R5.HOW OBTAINED
    W6742           P2. R6a.COST PER MONTH
    W6747           P2. R7.WHO PAYS FOR INSU
    W6754           R14.INSURANCE FROM COMPA
    W6755           R14a.COST OF INSURANCE
    W6756           R14a1.PER
    W6757           R14b.SUPPLEMENTARY HEALT
    W6758           R14c.KIND OF PRIVATE HEA
    W6759           R14c.KIND OF PRIVATE HEA
    W6760           R14c.KIND OF PRIVATE HEA
    W6761           R14c.KIND OF PRIVATE HEA
    W6762           R14d1.COST FOR PRIVATE H
    W6763           R14d2.PER
AHEAD 1995:
    N5339           R9.OTHER HEALTH INSURANCE
    N5340           R9a.# OTHER HEALTH INS
    N5341M1         R10d.HOW OBTAIN OTHER HMO-1
    N5342           R10e.HOW PAY FOR HMO-1
    N5352           R10f. HOW MUCH R PAY HMO-1
    N5353           R10g. PER R10f.
    N5362M1         R11d.HOW OBTAIN OTHER HMO-1
    N5363           R11e.HOW PAY FOR HMO-1
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    N5364           R11f. HOW MUCH R PAY HMO-1
    N5365           R11g. PER R11f.
HRS 1996:
    P2231           R9. OTHER HEALTH INSURANCE
    P2232           R9a.# OTHER HEALTH INS
    P2233M1         R10d. HOW OBTAIN OTHER HMO-1
    P2234           R10e. HOW PAY FOR HMO-1
    P2244           R10f.  HOW MUCH R PAY HMO-1
    P2245           R10g.  PER R10f.
    P2254M1         R11d. HOW OBTAIN OTHER HMO-1
    P2255           R11e. HOW PAY FOR HMO-1
    P2256           R11f.  HOW MUCH R PAY HMO-1
    P2257           R11g.  PER R11f.
HRS 1998:
    Q2560           R1.MEDICARE COVERAGE
    Q2563           R5.CURRENTLY COVERED BY MEDICAID
    Q2572           R9.CHAMPUS/CHAMPVA COVERAGE
    Q2584           R12b.CHECKPOINT
    Q2585           R13.ANY INSURANCE FOR HOSP/DR BILLS
    Q2586           R14.NUMBER OF PLANS
    Q2591           R16.PAY COSTS FOR HEALTH INSURANCE
    Q2592           R17.AMT PAID
    Q2593           R17.AMT PAID FOR HEALTH INS-PER
    Q2609           R46.OTHER INSURANCE
    Q2611           R46b.PAY ALL/SOME/NONE OF PREMIUM
    Q2612           R46c.AMT PAY OTHER HEALTH INS
    Q2613           R46ca.OTHER HEALTH INS-PER
    Q2621           R48.ANY OTHER PURCHASED HEALTH INSUR
    Q2624           R52.AMT PAY FOR PURCHASED HEALTH INSURANCE
    Q2625           R52a.PURCHASED HEALTH INS - PER
HRS 2000:
    R2585           R1.MEDICARE COVERAGE
    R2611           R12aa.SELF-EMP INSURANCE
    R2613           R13.ANY INSURANCE THRU AN EMPLOYER
    R2616           R15.HOW OBTAIN INSURANCE
    R2618           R15b.CHECKPOINT
    R2619           R16.PAY COSTS FOR HEALTH INSURANCE
    R2620           R17.AMT PAID
    R2621           R17Y1.(R17) PER
    R2633           R46.OTHER INSURANCE
    R2635           R46b.PAY ALL/SOME/NONE OF PREMIUM
    R2636           R46c.AMT PAY
    R2637           R46ca.PER
    R2645           R48.ANY HEALTH INSUR
    R2648           R52.AMT PAY FOR HEALTH INSURANCE
    R2649           R52a.PER
HRS 2002-2012:
    xN039_1         PAY ALL/SOME/NONE PRIV PLAN HI COSTS-1
    xN039_2         PAY ALL/SOME/NONE PRIV PLAN HI COSTS-2
    xN039_3         PAY ALL/SOME/NONE PRIV PLAN HI COSTS-3
HRS 2002-2022:
    xN040_1         PRIV PLAN HI PAY PER/MONTH- AMT- 1
    xN040_2         PRIV PLAN HI PAY PER/MONTH- AMT- 2
    xN040_3         PRIV PLAN HI PAY PER/MONTH- AMT- 3
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Source of private health insurance plans

Wave	Variable	Label	Type
1	R1PRSRC1	R1PRSRC1:W1 Private Insurance Plan 1 Source	Categ
2	R2PRSRC1	R2PRSRC1:W2 Private Insurance Plan 1 Source	Categ
3	R3PRSRC1	R3PRSRC1:W3 Private Insurance Plan 1 Source	Categ
4	R4PRSRC1	R4PRSRC1:W4 Private Insurance Plan 1 Source	Categ
5	R5PRSRC1	R5PRSRC1:W5 Private Insurance Plan 1 Source	Categ
6	R6PRSRC1	R6PRSRC1:W6 Private Insurance Plan 1 Source	Categ
7	R7PRSRC1	R7PRSRC1:W7 Private Insurance Plan 1 Source	Categ
8	R8PRSRC1	R8PRSRC1:W8 Private Insurance Plan 1 Source	Categ
9	R9PRSRC1	R9PRSRC1:W9 Private Insurance Plan 1 Source	Categ
10	R10PRSRC1	R10PRSRC1:W10 Private Insurance Plan 1 Source	Categ
11	R11PRSRC1	R11PRSRC1:W11 Private Insurance Plan 1 Source	Categ
12	R12PRSRC1	R12PRSRC1:W12 Private Insurance Plan 1 Source	Categ
13	R13PRSRC1	R13PRSRC1:W13 Private Insurance Plan 1 Source	Categ
14	R14PRSRC1	R14PRSRC1:W14 Private Insurance Plan 1 Source	Categ
15	R15PRSRC1	R15PRSRC1:W15 Private Insurance Plan 1 Source	Categ
16	R16PRSRC1	R16PRSRC1:W16 Private Insurance Plan 1 Source	Categ
1	S1PRSRC1	S1PRSRC1:W1 Private Insurance Plan 1 Source	Categ
2	S2PRSRC1	S2PRSRC1:W2 Private Insurance Plan 1 Source	Categ
3	S3PRSRC1	S3PRSRC1:W3 Private Insurance Plan 1 Source	Categ
4	S4PRSRC1	S4PRSRC1:W4 Private Insurance Plan 1 Source	Categ
5	S5PRSRC1	S5PRSRC1:W5 Private Insurance Plan 1 Source	Categ
6	S6PRSRC1	S6PRSRC1:W6 Private Insurance Plan 1 Source	Categ
7	S7PRSRC1	S7PRSRC1:W7 Private Insurance Plan 1 Source	Categ
8	S8PRSRC1	S8PRSRC1:W8 Private Insurance Plan 1 Source	Categ
9	S9PRSRC1	S9PRSRC1:W9 Private Insurance Plan 1 Source	Categ
10	S10PRSRC1	S10PRSRC1:W10 Private Insurance Plan 1 Source	Categ
11	S11PRSRC1	S11PRSRC1:W11 Private Insurance Plan 1 Source	Categ
12	S12PRSRC1	S12PRSRC1:W12 Private Insurance Plan 1 Source	Categ
13	S13PRSRC1	S13PRSRC1:W13 Private Insurance Plan 1 Source	Categ
14	S14PRSRC1	S14PRSRC1:W14 Private Insurance Plan 1 Source	Categ
15	S15PRSRC1	S15PRSRC1:W15 Private Insurance Plan 1 Source	Categ
16	S16PRSRC1	S16PRSRC1:W16 Private Insurance Plan 1 Source	Categ
2	R2PRSRC2	R2PRSRC2:W2 Private Insurance Plan 2 Source	Categ
3	R3PRSRC2	R3PRSRC2:W3 Private Insurance Plan 2 Source	Categ
4	R4PRSRC2	R4PRSRC2:W4 Private Insurance Plan 2 Source	Categ
5	R5PRSRC2	R5PRSRC2:W5 Private Insurance Plan 2 Source	Categ
6	R6PRSRC2	R6PRSRC2:W6 Private Insurance Plan 2 Source	Categ
7	R7PRSRC2	R7PRSRC2:W7 Private Insurance Plan 2 Source	Categ
8	R8PRSRC2	R8PRSRC2:W8 Private Insurance Plan 2 Source	Categ
9	R9PRSRC2	R9PRSRC2:W9 Private Insurance Plan 2 Source	Categ
10	R10PRSRC2	R10PRSRC2:W10 Private Insurance Plan 2 Source	Categ
11	R11PRSRC2	R11PRSRC2:W11 Private Insurance Plan 2 Source	Categ
12	R12PRSRC2	R12PRSRC2:W12 Private Insurance Plan 2 Source	Categ
13	R13PRSRC2	R13PRSRC2:W13 Private Insurance Plan 2 Source	Categ
14	R14PRSRC2	R14PRSRC2:W14 Private Insurance Plan 2 Source	Categ
15	R15PRSRC2	R15PRSRC2:W15 Private Insurance Plan 2 Source	Categ
16	R16PRSRC2	R16PRSRC2:W16 Private Insurance Plan 2 Source	Categ
2	S2PRSRC2	S2PRSRC2:W2 Private Insurance Plan 2 Source	Categ
3	S3PRSRC2	S3PRSRC2:W3 Private Insurance Plan 2 Source	Categ
4	S4PRSRC2	S4PRSRC2:W4 Private Insurance Plan 2 Source	Categ
5	S5PRSRC2	S5PRSRC2:W5 Private Insurance Plan 2 Source	Categ
6	S6PRSRC2	S6PRSRC2:W6 Private Insurance Plan 2 Source	Categ
7	S7PRSRC2	S7PRSRC2:W7 Private Insurance Plan 2 Source	Categ
8	S8PRSRC2	S8PRSRC2:W8 Private Insurance Plan 2 Source	Categ
9	S9PRSRC2	S9PRSRC2:W9 Private Insurance Plan 2 Source	Categ
10	S10PRSRC2	S10PRSRC2:W10 Private Insurance Plan 2 Source	Categ
11	S11PRSRC2	S11PRSRC2:W11 Private Insurance Plan 2 Source	Categ
12	S12PRSRC2	S12PRSRC2:W12 Private Insurance Plan 2 Source	Categ
13	S13PRSRC2	S13PRSRC2:W13 Private Insurance Plan 2 Source	Categ
14	S14PRSRC2	S14PRSRC2:W14 Private Insurance Plan 2 Source	Categ
15	S15PRSRC2	S15PRSRC2:W15 Private Insurance Plan 2 Source	Categ
16	S16PRSRC2	S16PRSRC2:W16 Private Insurance Plan 2 Source	Categ

2	R2PRSRC3	R2PRSRC3:W2 Private Insurance Plan 3 Source	Categ
3	R3PRSRC3	R3PRSRC3:W3 Private Insurance Plan 3 Source	Categ
6	R6PRSRC3	R6PRSRC3:W6 Private Insurance Plan 3 Source	Categ
7	R7PRSRC3	R7PRSRC3:W7 Private Insurance Plan 3 Source	Categ
8	R8PRSRC3	R8PRSRC3:W8 Private Insurance Plan 3 Source	Categ
9	R9PRSRC3	R9PRSRC3:W9 Private Insurance Plan 3 Source	Categ
10	R10PRSRC3	R10PRSRC3:W10 Private Insurance Plan 3 Source	Categ
11	R11PRSRC3	R11PRSRC3:W11 Private Insurance Plan 3 Source	Categ
12	R12PRSRC3	R12PRSRC3:W12 Private Insurance Plan 3 Source	Categ
13	R13PRSRC3	R13PRSRC3:W13 Private Insurance Plan 3 Source	Categ
14	R14PRSRC3	R14PRSRC3:W14 Private Insurance Plan 3 Source	Categ
15	R15PRSRC3	R15PRSRC3:W15 Private Insurance Plan 3 Source	Categ
16	R16PRSRC3	R16PRSRC3:W16 Private Insurance Plan 3 Source	Categ
2	S2PRSRC3	S2PRSRC3:W2 Private Insurance Plan 3 Source	Categ
3	S3PRSRC3	S3PRSRC3:W3 Private Insurance Plan 3 Source	Categ
6	S6PRSRC3	S6PRSRC3:W6 Private Insurance Plan 3 Source	Categ
7	S7PRSRC3	S7PRSRC3:W7 Private Insurance Plan 3 Source	Categ
8	S8PRSRC3	S8PRSRC3:W8 Private Insurance Plan 3 Source	Categ
9	S9PRSRC3	S9PRSRC3:W9 Private Insurance Plan 3 Source	Categ
10	S10PRSRC3	S10PRSRC3:W10 Private Insurance Plan 3 Source	Categ
11	S11PRSRC3	S11PRSRC3:W11 Private Insurance Plan 3 Source	Categ
12	S12PRSRC3	S12PRSRC3:W12 Private Insurance Plan 3 Source	Categ
13	S13PRSRC3	S13PRSRC3:W13 Private Insurance Plan 3 Source	Categ
14	S14PRSRC3	S14PRSRC3:W14 Private Insurance Plan 3 Source	Categ
15	S15PRSRC3	S15PRSRC3:W15 Private Insurance Plan 3 Source	Categ
16	S16PRSRC3	S16PRSRC3:W16 Private Insurance Plan 3 Source	Categ
E	REPRSRC1	REPRSRC1:EXIT Private Insurance Plan 1 Source	Categ
E	REPRSRC2	REPRSRC2:EXIT Private Insurance Plan 2 Source	Categ
E	REPRSRC3	REPRSRC3:EXIT Private Insurance Plan 3 Source	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1PRSRC1	1711	8.00	0.00	8.0	8.0
R2PRSRC1	8887	2.26	2.25	1.0	10.0
R3PRSRC1	10275	2.67	2.52	1.0	10.0
R4PRSRC1	10933	2.00	2.07	1.0	10.0
R5PRSRC1	10527	1.98	1.99	1.0	10.0
R6PRSRC1	12347	2.86	2.45	1.0	10.0
R7PRSRC1	13142	2.65	2.26	1.0	10.0
R8PRSRC1	11368	2.67	2.22	1.0	10.0
R9PRSRC1	9856	2.77	2.32	1.0	10.0
R10PRSRC1	11954	2.47	2.20	1.0	10.0
R11PRSRC1	10610	2.55	2.23	1.0	10.0
R12PRSRC1	9479	2.80	2.46	1.0	10.0
R13PRSRC1	10331	2.73	2.53	1.0	10.0
R14PRSRC1	7941	2.86	2.65	1.0	10.0
R15PRSRC1	6604	2.72	2.60	1.0	10.0
R16PRSRC1	6639	2.88	2.71	1.0	10.0
S1PRSRC1	1311	8.00	0.00	8.0	8.0
S2PRSRC1	7196	2.36	2.06	1.0	10.0
S3PRSRC1	7465	2.76	2.28	1.0	10.0
S4PRSRC1	8196	2.31	1.93	1.0	10.0
S5PRSRC1	7971	2.25	1.91	1.0	10.0
S6PRSRC1	8654	2.71	2.07	1.0	10.0
S7PRSRC1	9320	2.59	1.94	1.0	10.0
S8PRSRC1	7982	2.61	1.94	1.0	10.0
S9PRSRC1	6820	2.71	2.05	1.0	10.0
S10PRSRC1	8188	2.51	1.90	1.0	10.0

S11PRSRC1	7225	2.56	1.93	1.0	10.0
S12PRSRC1	6233	2.79	2.18	1.0	10.0
S13PRSRC1	6548	2.81	2.25	1.0	10.0
S14PRSRC1	4844	2.97	2.36	1.0	10.0
S15PRSRC1	4165	2.99	2.43	1.0	10.0
S16PRSRC1	3771	3.01	2.45	1.0	10.0
R2PRSRC2	1095	7.37	1.91	1.0	8.0
R3PRSRC2	933	2.95	2.74	1.0	10.0
R5PRSRC2	379	8.00	0.00	8.0	8.0
R6PRSRC2	737	3.13	2.60	1.0	10.0
R7PRSRC2	903	2.86	2.35	1.0	10.0
R8PRSRC2	639	2.69	2.19	1.0	10.0
R9PRSRC2	546	3.03	2.45	1.0	10.0
R10PRSRC2	717	2.70	2.26	1.0	10.0
R11PRSRC2	579	2.86	2.37	1.0	10.0
R12PRSRC2	620	2.99	2.49	1.0	10.0
R13PRSRC2	624	2.97	2.50	1.0	10.0
R14PRSRC2	516	3.20	2.77	1.0	10.0
R15PRSRC2	453	3.03	2.71	1.0	10.0
R16PRSRC2	476	3.16	2.73	1.0	10.0
S2PRSRC2	859	7.32	2.01	1.0	8.0
S3PRSRC2	719	2.82	2.66	1.0	10.0
S5PRSRC2	299	8.00	0.00	8.0	8.0
S6PRSRC2	569	2.88	2.48	1.0	10.0
S7PRSRC2	693	2.57	2.06	1.0	10.0
S8PRSRC2	495	2.56	1.99	1.0	7.0
S9PRSRC2	414	2.88	2.19	1.0	10.0
S10PRSRC2	497	2.54	1.94	1.0	10.0
S11PRSRC2	393	2.59	1.93	1.0	7.0
S12PRSRC2	421	2.97	2.31	1.0	10.0
S13PRSRC2	394	2.87	2.18	1.0	10.0
S14PRSRC2	312	3.34	2.56	1.0	10.0
S15PRSRC2	314	3.59	2.63	1.0	10.0
S16PRSRC2	256	3.27	2.46	1.0	10.0
R2PRSRC3	74	8.00	0.00	8.0	8.0
R3PRSRC3	5	8.00	0.00	8.0	8.0
R6PRSRC3	64	3.33	2.71	1.0	10.0
R7PRSRC3	95	2.63	2.31	1.0	7.0
R8PRSRC3	69	2.67	2.39	1.0	10.0
R9PRSRC3	59	2.66	2.53	1.0	10.0
R10PRSRC3	121	2.21	2.19	1.0	10.0
R11PRSRC3	84	2.10	1.89	1.0	7.0
R12PRSRC3	126	2.23	2.15	1.0	9.0
R13PRSRC3	147	2.07	2.13	1.0	10.0
R14PRSRC3	120	2.53	2.50	1.0	10.0
R15PRSRC3	103	2.70	2.81	1.0	10.0
R16PRSRC3	131	2.27	2.29	1.0	9.0
S2PRSRC3	55	8.00	0.00	8.0	8.0
S3PRSRC3	3	8.00	0.00	8.0	8.0
S6PRSRC3	49	3.51	2.63	1.0	10.0
S7PRSRC3	67	2.73	1.93	1.0	7.0
S8PRSRC3	53	2.66	1.80	1.0	7.0
S9PRSRC3	42	3.07	2.15	1.0	10.0
S10PRSRC3	82	2.40	1.62	1.0	7.0
S11PRSRC3	57	2.63	1.81	1.0	7.0

S12PRSRC3	86	2.74	2.00	1.0	9.0
S13PRSRC3	90	2.49	1.70	1.0	9.0
S14PRSRC3	62	2.76	2.15	1.0	10.0
S15PRSRC3	69	3.65	2.83	1.0	10.0
S16PRSRC3	68	2.99	2.28	1.0	9.0
REPRSRC1	6127	3.84	2.78	1.0	10.0
REPRSRC2	334	4.94	3.13	1.0	10.0
REPRSRC3	23	4.48	3.03	1.0	10.0

Categorical Variable Codes

RwPRSRC1: Private Insurance Plan 1 Source

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		6	279	4	11	69	71	53	40	89
.G=Includes Gov't programs		9					199	98	78	121
.J=Web interview, missing										
.K=Can't ascertain		57	958	3620	2802					
.M=Oth missing			1172			2				1
.Q=Not asked this wv		8222								
.R=RF		6	20	2	3	5	6		2	10
.S=Skip,question not asked	10941	2455	5287	6825	6235	5742	6711	6950	7241	9859
1.R's current/former employ		4740	5396	6754	6270	6022	6721	5690	4844	6552
2.Current S's current/forme		2699	2371	2887	3110	2443	2730	2351	2000	2479
3.R's Union		235	122	162	128	64	57	52	51	46
4.S's Union		156	61	56	58	14	17	15	6	11
5.Former S's Emp/Union						384	413	472	391	344
6.Direct from Insurance Com			653			2510	2483	2234	1977	1862
7.Group		12	783			635	606	512	482	545
8.Insurance Company/Group	1711	977	822	1034	939					
9.Insurance Exchange										
10.Other		68	67	40	22	275	115	42	105	115

Value	w11	w12	w13	w14	w15	w16
.D=DK	74	85	68	58	81	84
.G=Includes Gov't programs	123	151	134	132	79	101
.J=Web interview, missing				7	46	6
.K=Can't ascertain						
.M=Oth missing	1		52		320	49
.Q=Not asked this wv						
.R=RF	3	5	4	7	5	2
.S=Skip,question not asked	9743	9027	10323	9001	8588	8906
1.R's current/former employ	5677	4847	5507	4238	3638	3589
2.Current S's current/forme	2164	1787	2039	1350	1238	1119
3.R's Union	51	40	22	29	13	9
4.S's Union	3	8	7	50	3	8
5.Former S's Emp/Union	331	294	115	135	86	104
6.Direct from Insurance Com	1789	1718	1692	1253	962	1047
7.Group	501	470	419	385	244	249
8.Insurance Company/Group						
9.Insurance Exchange		231	417	395	326	427
10.Other	94	84	113	106	94	87

SwPRSRC1: Private Insurance Plan 1 Source

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		4	181	2	6	30	20	14	17	32
.G=Includes Gov't programs		7					116	52	40	69
.J=Web interview, missing										
.K=Can't ascertain		46	814	2234	1614					
.M=Oth missing			674			1				
.Q=Not asked this wv		4549								
.R=RF		4	11	1	1	2	2		1	4
.S=Skip,question not asked	8968	1484	2772	3547	3138	2952	3514	3687	3768	5220
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		384	417	536	311	220	380	317	365	724
1.R's current/former employ		2572	1999	2408	2610	2407	2664	2295	1938	2348
2.Current S's current/forme		3530	3913	4841	4487	4265	4712	3949	3294	4311
3.R's Union		150	50	49	45	11	16	15	4	9
4.S's Union		169	86	128	102	35	28	35	32	24
5.Former S's Emp/Union						14	22	9		
6.Direct from Insurance Com			331			1464	1500	1377	1226	1138
7.Group		10	440			356	330	278	271	304
8.Insurance Company/Group	1311	760	603	748	712					
9.Insurance Exchange										
10.Other		5	43	22	15	102	48	24	55	54

Value	w11	w12	w13	w14	w15	w16
.D=DK	34	37	33	18	44	24
.G=Includes Gov't programs	67	87	64	68	48	48
.J=Web interview, missing				6	5	2
.K=Can't ascertain						
.M=Oth missing	1		34		8	4
.Q=Not asked this wv						
.R=RF	2	3	1	4	1	1
.S=Skip,question not asked	5155	4652	5099	4418	4206	3990
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.R's current/former employ	2051	1677	1695	1115	1018	907
2.Current S's current/forme	3748	3097	3386	2501	2112	1918
3.R's Union	1	7	4	46	3	6
4.S's Union	29	18	14	16	8	4
5.Former S's Emp/Union	2					
6.Direct from Insurance Com	1071	1020	956	683	613	538
7.Group	275	232	196	201	140	133
8.Insurance Company/Group						
9.Insurance Exchange		138	239	237	202	228
10.Other	48	44	58	45	69	37

RwPRSRC2: Private Insurance Plan 2 Source

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			194			5	13	8	3	8
.G=Includes Gov't programs		8					31	19	8	9
.J=Web interview, missing										
.K=Can't ascertain			61	273	208					
.M=Oth missing			10			3	4			1
.Q=Not asked this wv		8222								
.R=RF		1	14			4	2	3	1	5
.S=Skip,question not asked		10316	16779	21111	18991	17416	19176	17800	16659	21294
1.R's current/former employ		45	364			280	366	286	238	338
2.Current S's current/forme		60	334			217	266	173	119	173
3.R's Union		2	19			6	14	7	5	7
4.S's Union		1	10				3	2		1
5.Former S's Emp/Union						11	21	15	15	22
6.Direct from Insurance Com						130	151	111	124	133
7.Group			127			64	66	44	36	36
8.Insurance Company/Group		987	30		379					
9.Insurance Exchange										
10.Other			49			29	16	1	9	7

Value	w11	w12	w13	w14	w15	w16
.D=DK	9	10	14	8	6	10
.G=Includes Gov't programs	7	7	12	16	10	12
.J=Web interview, missing				3	4	3
.K=Can't ascertain						
.M=Oth missing			15		36	5
.Q=Not asked this wv						
.R=RF	2	5		5	2	2
.S=Skip,question not asked	19957	18105	20247	16598	15212	15279
1.R's current/former employ	266	287	295	245	233	236
2.Current S's current/forme	129	122	123	86	69	68
3.R's Union	7	7	1	4	4	3
4.S's Union	3			3		
5.Former S's Emp/Union	14	15	13	6	5	8
6.Direct from Insurance Com	111	136	145	107	98	118
7.Group	42	35	28	29	16	11
8.Insurance Company/Group						
9.Insurance Exchange		12	10	25	16	22
10.Other	7	6	9	11	12	10

SwPRSRC2: Private Insurance Plan 2 Source

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			110			2	7	6	2	3
.G=Includes Gov't programs		7					14	11	4	5
.J=Web interview, missing										
.K=Can't ascertain			53	230	177					
.M=Oth missing			9			2	2			1
.Q=Not asked this wv		4549								
.R=RF			12			2	2	2	1	3
.S=Skip,question not asked		7875	11014	13750	12254	11064	12254	11221	10225	13004
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		384	417	536	311	220	380	317	365	724
1.R's current/former employ		52	300			215	260	172	115	160
2.Current S's current/forme		37	252			206	277	216	188	235
3.R's Union			9				3	1		1
4.S's Union			12			2	7	4	2	2
5.Former S's Emp/Union						1	4			
6.Direct from Insurance Com						82	97	69	86	83
7.Group			88			42	41	33	17	13
8.Insurance Company/Group		770	25		299					
9.Insurance Exchange										
10.Other			33			21	4		6	3

Value	w11	w12	w13	w14	w15	w16
.D=DK	5	4	11	1	3	4
.G=Includes Gov't programs	4	5	8	7	10	4
.J=Web interview, missing				2	1	1
.K=Can't ascertain						
.M=Oth missing			9		1	
.Q=Not asked this wv						
.R=RF	2	3		2		
.S=Skip,question not asked	12080	10579	11357	9034	8148	7575
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.R's current/former employ	122	114	105	70	63	54
2.Current S's current/forme	182	191	187	139	132	120
3.R's Union	3			2		
4.S's Union	5	2	1	3	2	2
5.Former S's Emp/Union						
6.Direct from Insurance Com	64	83	79	58	82	62
7.Group	17	17	14	19	13	2
8.Insurance Company/Group						
9.Insurance Exchange		9	5	15	11	12
10.Other		5	3	6	11	4

RwPRSRC3: Private Insurance Plan 3 Source

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK						2	11	2	5	5
.G=Includes Gov't programs							4			2
.J=Web interview, missing										
.K=Can't ascertain			1							
.M=Oth missing						2				
.Q=Not asked this wv		8222	7027							
.R=RF						4	1			6
.S=Skip,question not asked		11346	10958			18093	20018	18398	17153	21900
1.R's current/former employ						28	54	39	39	79
2.Current S's current/forme						10	14	9	2	18
3.R's Union						1		2		1
4.S's Union										
5.Former S's Emp/Union						2			2	
6.Direct from Insurance Com						18	21	15	11	17
7.Group						2	6	3	4	4
8.Insurance Company/Group		74	5							
9.Insurance Exchange										
10.Other						3		1	1	2

Value	w11	w12	w13	w14	w15	w16
.D=DK	5	4	4	3	1	3
.G=Includes Gov't programs	3		4	3	2	
.J=Web interview, missing				1	3	2
.K=Can't ascertain						
.M=Oth missing			5		3	1
.Q=Not asked this wv						
.R=RF	3	4		3	1	2
.S=Skip,question not asked	20459	18613	20752	17016	15610	15648
1.R's current/former employ	54	83	103	76	67	89
2.Current S's current/forme	14	17	18	13	9	14
3.R's Union			2	1		1
4.S's Union				1		
5.Former S's Emp/Union	3	1	1	1		1
6.Direct from Insurance Com	12	20	18	20	18	20
7.Group	1	3		3		1
8.Insurance Company/Group						
9.Insurance Exchange		2	4	2	5	5
10.Other			1	3	4	

SwPRSRC3: Private Insurance Plan 3 Source

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK						1	6	1	3	2
.G=Includes Gov't programs							4			
.J=Web interview, missing										
.K=Can't ascertain			1							
.M=Oth missing						1				
.Q=Not asked this wv		4549	3704							
.R=RF						2	1			4
.S=Skip,question not asked		8686	8304			11586	12894	11681	10601	13425
.U=Unmarried		5968	5657			6306	6777	6417	6206	7797
.V=Spouse NR		384	322			220	380	317	365	724
1.R's current/former employ						10	14	9	2	17
2.Current S's current/forme						21	38	33	30	53
4.S's Union								1		
5.Former S's Emp/Union						1				
6.Direct from Insurance Com						13	12	8	6	10
7.Group						1	3	2	3	2
8.Insurance Company/Group		55	3							
9.Insurance Exchange										
10.Other						3			1	

Value	w11	w12	w13	w14	w15	w16
.D=DK	2	2	3	1	1	1
.G=Includes Gov't programs	1		1	3	2	
.J=Web interview, missing				1	1	
.K=Can't ascertain						
.M=Oth missing			2			
.Q=Not asked this wv						
.R=RF	3			1	1	
.S=Skip,question not asked	12421	10924	11683	9290	8403	7771
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.R's current/former employ	12	16	14	11	9	12
2.Current S's current/forme	33	52	62	39	37	39
4.S's Union			2			1
5.Former S's Emp/Union	1					
6.Direct from Insurance Com	10	14	10	9	14	11
7.Group	1	2				1
8.Insurance Company/Group						
9.Insurance Exchange		2	2	2	5	4
10.Other				1	4	

REPRSRC1: EXIT Private Insurance Plan 1 Source

Value	
.D=DK	292
.G=Includes Gov't programs	182
.K=Can't Ascertain	898
.R=RF	33
.S=Skip	10180
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
1.R's current/former employ	2208
2.Current S's current/forme	876
3.R's Union	74
4.S's Union	19
5.Former S's Emp/Union	450
6.Direct from Insurance Com	1495
7.Group	561
8.Insurance Company/Group	151
9.Insurance Exchange	40
10.Other	253

REPRSRC2: EXIT Private Insurance Plan 2 Source

Value	
.D=DK	18
.G=Includes Gov't programs	18
.K=Can't Ascertain	32
.S=Skip	15471
.X=No more plans	1839
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
1.R's current/former employ	90
2.Current S's current/forme	33
3.R's Union	3
4.S's Union	2
5.Former S's Emp/Union	14
6.Direct from Insurance Com	91
7.Group	27
8.Insurance Company/Group	32
9.Insurance Exchange	3
10.Other	39

REPRSRC3: EXIT Private Insurance Plan 3 Source

Value	
.D=DK	4
.G=Includes Gov't programs	1
.Q=Not asked this wv	3552
.S=Skip	14039
.X=No more plans	93
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
1.R's current/former employ	7
2.Current S's current/forme	3
6.Direct from Insurance Com	7
7.Group	3
8.Insurance Company/Group	1
9.Insurance Exchange	1
10.Other	1

How Constructed

Core Interview Variables

RwPRSRC1, RwPRSRC2, and RwPRSRC3 indicate the source of the Respondent's private health insurance plan(s). These correspond with the plan listed in premium variables RwPRPRM1, RwPRPRM2, and RwPRPRM3. SwPRSRC1, SwPRSRC2, and SwPRSRC3 provide the information for the Respondent's spouse or partner.

In Waves 1 to 5, Respondents are asked about their private health insurance plans by type of plan (employer-provided, supplemental, purchased directly from an insurance company or group). The wording of these questions varies by wave and not all waves ask about all types separately.

In Wave 2H, for employer-provided health insurance, the source of the plan is not asked if (1) a preloaded value indicates that the Respondent reported being covered by employer-provided health insurance at Wave 1, and (2) if the Respondent indicates that they are still covered by that source. In this instance, source is coded from the Respondent's Wave 1 answers.

From Wave 6 on, Respondents are asked about their three most important private health insurance plans. The source is ascertained through a series of questions.

Exit Interview Variables

REPRSRC1, REPRSRC2, and REPRSRC3 indicate the source of the Respondent's private health insurance plan(s) at time of death. These correspond with the plans listed in premium variables REPRPRM1, REPRPRM2, and REPRPRM3.

In Waves 2H to 5, proxies are asked about the Respondent's private health insurance plans by type of plan (employer-provided, supplemental, purchased directly from an insurance company or group). The wording of these questions varies by wave and not all waves ask about all types separately.

In Wave 2H, for employer-provided health insurance, the source of the plan is not asked if (1) a preloaded value indicates that the Respondent reported being covered by employer-provided health insurance at Wave 1, and (2) if the proxy indicates that the Respondent was still covered by that source at time of death. In this instance, source is coded from the Respondent's Wave 1 answers.

From Wave 6 on, proxies are asked about the Respondent's three most important private health insurance plans. The source is ascertained through a series of questions.

Cross Wave Differences in Original HRS Data

Core Interview Variables

In Wave 1, the health insurance questions are asked only of the Financial Respondent about the Financial Respondent's insurance coverage and, if married, their spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only.

In Wave 1, Respondents are asked, "Do you have any type of health insurance coverage, Medigap or other supplemental coverage, or long-term care insurance that is purchased directly from an insurance company or through a membership organization such as AARP (the American Association of Retired Persons)?" If R1PRPRM1 is not equal to .S (skipped), then R1PRSRC1 is set to "Direct from Insurance Company/Group," since this is the only source where premium amount is asked. Since there are no questions about the second or third premium or about employer-provided insurance premiums, there are no second or third source variables in Wave 1.

In Wave 2A, questions about private health insurance do not include any information about the source of the coverage. So for the AHEAD Respondents, if R2PRPRM1 is not equal to .S (skipped) then R2PRSRC1 is set to .Q, to indicate the question was not asked.

In Wave 2H, the Respondent is asked about employer-provided plans, other/supplemental plans, and plans purchased directly from an insurance company or group separately.

In Wave 2H, if preloaded information indicates the Respondent was covered by any employer-provided health insurance in Wave 1, the following question is asked: "According to our records, in [Wave 1 interview month] you were covered by health insurance from [source of plan preloaded from W1]. Are you still covered by the same employer health insurance policy as before?" If yes, no further questions on source of insurance are asked and source is coded from the Respondent's Wave 1 answers.

If the Respondent is the Financial Respondent in Wave 2H and says the pre-loaded information is incorrect, a follow-up question asks for a corrected source of insurance at the last interview and whether the Respondent is still covered. If the Respondent was not the Financial Respondent in Wave 1 and says the pre-loaded information is inccorect, or if the Respondent (Financial Respondent or not) responds with any answer except "yes," the Respondent is asked, "Thinking about (this/the first/the second) plan, how is this coverage obtained?"

In Wave 2H, the Respondent is then asked separately about plans purchased directly from an insurance company or group and supplemental plans purchased directly from an insurance company or group. If the corresponding premium variable R2PRPRMx is not equal to .S (skipped), then R2PRSRCx is set to "Direct from Insurance Company/Group," where "x" indicates the plan number 1 through 3. The one exception is for Respondents who list a Government plan under the supplemental plan question. In this case, R2PRPRMx and R2PRSRCx are set to .G to indicate a Government (not private) health care plan.

In Wave 3A, if the Respondent indicates having one private health insurance plan, they are asked about that plan. If the Respondent indicates having more than one private health insurance plan, they are asked about the first plan first, then about all other plans combined. For each round, the Respondent is asked, "How did you obtain this type of health insurance coverage? Was it through your (or your husband's/or your wife's/or your partner's) employer or union, or through an organization or what?" Respondents can list up to three sources. The first source listed is coded as R3PRSRCx, where "x" indicates the plan number, 1 to 3.

In Wave 3A, there was an error in a skip pattern: if the Respondent listed one private plan, the follow-up questions on source and premium amount were skipped. This issue affected 1,172 Respondents before it was discovered and fixed. For these individuals, the premium variable is coded as .M for other missing.

In Waves 3H, 4, and 5, the Respondent is separately asked about employer-provided plans, other/supplemental plans, and plans purchased directly from an insurance company or group.

For employer-provided plans, if a Respondent indicates having an employer-provided plan, then they are asked, "Do you obtain this health insurance through your (or your husband/wife/partner's) current employer, former employer or union, or from someplace else?"

The Respondent is then asked about supplemental plans. The source for supplemental plans cannot be ascertained in Wave 3H and is coded as .K to indicate that the Respondent has a plan but the source is unknown. The Respondent is then asked about plans purchased directly from an insurance company or group. If the corresponding premium variable RwPRPRMx is not equal to .S (skipped), then RwPRSRCx is set to "Direct from Insurance Company/Group," where x indicates the plan number 1 through 3.

From Wave 6 forward, Respondents are asked about their three most important private health insurance plans. The source is ascertained through a series of questions. The Respondent is asked the questions in order until the source is ascertained. RwPRSRCx is coded based on the Respondent's answers to the source questions, where "x" indicates the plan number 1 through 3.

First, if the Respondent currently works for pay, they are asked, "Do you obtain this health insurance through your (own business or professional organization/current employer)?"

Next, the Respondent is asked, "Do you obtain this health insurance through a former employer of yours?" If the Respondent is married or partnered, the next set of questions ask, "Do you obtain this health insurance through your (husband/wife/partner)'s current employer?" and then, "Do you obtain this health insurance through your (husband/wife/partner)'s former employer?"

The final source question asks, "Did you purchase this plan directly from an insurance company, through your (or your (husband/wife/partner)'s/or your) union, through a group such as AARP, a church, or other organization, or what?" Some individuals list a federal, state, or military plan source for this question. In this case, the source variable is set to .G to indicate a Government (not private) health care plan.

In Wave 12, a new option to the final source question is added: "through an insurance exchange."

From Wave 13 forward, a preload lists the source of the plan the Respondent recorded during the last completed Core Interview. If the Respondent indicates that this is the same plan and source, the source is taken from the preload; however, in Wave 13 the preload fields were not all available so we use information from the last completed Core Interview.

Beginning in Wave 14, the sources for "6: Federal, State or Military programs" are grouped with "7. Other" in the raw HRS data, so the values that previously would be ".G=includes Gov't programs" in RwPRSRC1-3 are now valued as "10.Other".

Exit Interview Variables

In Wave 2H, the proxy is asked about employer-provided plans, other/supplemental plans, and plans purchased directly from an insurance company or group separately.

In Wave 2H, if preloaded information indicates the Respondent was covered by any employer-provided health insurance in Wave 1, the following question is asked: "According to our records, in [Wave 1 interview month] you were covered by health insurance from [source of plan preloaded from W1]. Are you still covered by the same employer health insurance policy as before?" If yes, no further questions on source of insurance are asked and source is coded from the Respondent's Wave 1 answers. Note that in Wave 2H, there is no separately worded survey for the proxy.

In Wave 2H, the proxy is then asked separately about plans purchased directly from an insurance company or group and supplemental plans purchased directly from an insurance company or group. If the corresponding premium variable REPRPRMx is not equal to .S (skipped), then REPRSRCx is set to "Direct from Insurance Company/Group," where "x" indicates the plan number 1 through 3. The one exception is for Respondents who had a government plan under the supplemental plan question. In this case, REPRPRMx and REPRSRCx are set to .G to indicate a government (not private) health care plan.

In Wave 3A, if the Respondent had one private health insurance plan, the proxy is asked about that plan. If the Respondent had more than one private health insurance plan, the proxy is asked about the first plan first, then about all other plans combined. For each round, the proxy is asked, "How did (he/she) obtain this type of health insurance coverage? Was it through (his/her) (or his/her husband's/or his/her wife's/or his/her partner's/...) employer or union, or through an organization or what?" The proxy can list up to three sources. The first source listed is coded as REPRSRCx, where "x" indicates the plan number, 1 to 3.

In Waves 3H, 4, and 5, the proxy is separately asked about employer-provided plans, other/supplemental plans, and plans purchased directly from an insurance company or group.

For employer-provided plans, if a Respondent had an employer-provided plan, then the proxy is asked, "Was it through (his/her) (or his/her husband's/or his/her wife's/or his/her partner's/...) employer or union, or through an organization or what?"

The proxy is then asked about supplemental plans. The source for supplemental plans cannot be ascertained in Wave 4 and is coded as .K to indicate that the Respondent had a plan but the source is unknown. The proxy is then asked about plans purchased directly from an insurance company or group. If the corresponding premium variable REPRPRMx is not equal to .S (skipped), then REPRSRCx is set to "Direct from Insurance Company/Group," where x indicates the plan number 1 through 3.

From Wave 6 forward, the proxy is asked about the Respondent's three most important private health insurance plans at time of death. The source is ascertained through a series of questions. The proxy is asked the questions in order until the source is ascertained. REPRSRCx is coded based on the proxy's answers to the source questions, where "x" indicates the plan number 1 through 3.

First, if the Respondent worked for pay, the proxy is asked, "Did [she/he] obtain this health insurance through [her/his] own business or an employer?"

Next, the proxy is asked, "Did [he/she] obtain this health insurance through a former employer of [his/hers]?" If the Respondent was married or partnered, the next set of questions ask, "Did [he/she] obtain this health insurance through [your/[his/her former] [husband's/wife's/partner's]] current employer?" and then, "Did [he/she] obtain this health insurance through [your/[his/her former] [husband's/wife's/partner's]] former employer?"

The final source question asks, "Did [she/he] purchase this plan directly from an insurance company, through [her/his /husband/wife/partner's] union, through a group such as AARP, a church, or other organization, or what?" Some proxies list a federal, state, or military plan source for this question. In this case, the source variable is set to .G to indicate a government (not private) health care plan.

Beginning in Wave 12, a new option to the final source question is added: "through an insurance exchange." This option was not available in prior waves.

HRS Variables Used

Core Interview Variables

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HRS 1992:
    V6616           R4:R1EMP:#1:HOW OBTAINED
    V6816           R27:R2EMP:#1:HOW OBTAIND
    VP6632          R14:COV FRM INS CO:IMP/ Sp-Prtnr
    VR6632          R14:COV FRM INS CO:IMP/ Self
HRS 1994:
    W6705           R2-1.COVERED BY SAME POL
    W6706           R2a-1.WHO PROVIDED HEALT
    W6707           R2b-1.STILL COVERED BY W
    W6708           R2-2a.STILL COVERED BY S
    W6709           R2-2b.STILL COVERED BY S
    W6724           R4.CURRENT HEALTH INS FR
    W6726           P1. R5.HOW OBTAINED
    W6740           P2. R5.HOW OBTAINED
    W6754           R14.INSURANCE FROM COMPA
    W6757           R14b.SUPPLEMENTARY HEALT
AHEAD 1995:
    D5214           R9. OTHER HEALTH INSURANCE
    D5215           R9A.# OTHER HEALTH INS
    D5225M1         R10D-1.  HOW OBTAIN OTHER HMO-1
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    D5225M2         R10D-2. HOW OBTAIN OTHER HMO-1
    D5242M1         R11D-1.  HOW OBTAIN OTHER HMO-1
    D5242M2         R11D-2.  HOW OBTAIN OTHER HMO-1
HRS 1996:
    E5157           R12B.CHECKPOINT
    E5161           R14.NUMBER OF EMPLOYER PROVIDED PLANS
    E5163_1         R15.HOW OBTAIN INSURANCE
    E5163_2         R15.HOW OBTAIN INSURANCE
    E5218           R48.ANY OTHER HEALTH INSUR
HRS 1998:
    F5894           R14.NUMBER OF PLANS
    F5896           R15.HOW OBTAIN INSURANCE
    F5938           R46.OTHER INSURANCE
    F5950           R48.ANY OTHER HEALTH INSUR
HRS 2000:
    G6266           R13.ANY INSURANCE THRU AN EMPLOYER
    G6269           R15.HOW OBTAIN INSURANCE
    G6312           R46.OTHER INSURANCE
    G6324           R48.ANY HEALTH INSUR
    G6325           R48B.ANY OTHER PURCHASED HEALTH INS
HRS 2002-2022:
    xN023           NUM PRIVATE HEALTH INS PLANS
    xN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    xN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    xN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    xN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    xN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    xN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    xN035_1         OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
    xN035_2         OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
    xN035_3         OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
    xN036_1         OBTAIN INS THRU HWP FORMER EMPLOYER- 1
    xN036_2         OBTAIN INS THRU HWP FORMER EMPLOYER- 2
    xN036_3         OBTAIN INS THRU HWP FORMER EMPLOYER- 3
    xN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    xN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    xN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
HRS 2016-2022:
    xN280_1         NAME PRIVATE HEALTH INSURANCE PLAN -1
    xN280_2         NAME PRIVATE HEALTH INSURANCE PLAN -2
    xN280_3         NAME PRIVATE HEALTH INSURANCE PLAN -3
    xN485_1         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 1
    xN485_2         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 2
    xN485_3         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 3
    xZ553_1         PRIVATE INSURANCE PLAN SOURCE - 1
    xZ553_2         PRIVATE INSURANCE PLAN SOURCE - 2
    xZ553_3         PRIVATE INSURANCE PLAN SOURCE - 3
```

Exit Interview Variables

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HRS 1992:
    V6616           R4:R1EMP:#1:HOW OBTAINED
    V6816           R27:R2EMP:#1:HOW OBTAIND
    VP6632          R14:COV FRM INS CO:IMP/ Sp-Prtnr
    VR6632          R14:COV FRM INS CO:IMP/ Self
HRS 1994:
    W6705           R2-1.COVERED BY SAME POL
    W6706           R2a-1.WHO PROVIDED HEALT
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    W6707           R2b-1.STILL COVERED BY W
    W6708           R2-2a.STILL COVERED BY S
    W6709           R2-2b.STILL COVERED BY S
    W6724           R4.CURRENT HEALTH INS FR
    W6726           P1. R5.HOW OBTAINED
    W6740           P2. R5.HOW OBTAINED
    W6754           R14.INSURANCE FROM COMPA
    W6757           R14b.SUPPLEMENTARY HEALT
AHEAD 1995:
    D5214           R9. OTHER HEALTH INSURANCE
    D5215           R9A.# OTHER HEALTH INS
    D5225M1         R10D-1.  HOW OBTAIN OTHER HMO-1
    D5225M2         R10D-2. HOW OBTAIN OTHER HMO-1
    D5242M1         R11D-1.  HOW OBTAIN OTHER HMO-1
    D5242M2         R11D-2.  HOW OBTAIN OTHER HMO-1
HRS 1996:
    E5157           R12B.CHECKPOINT
    E5161           R14.NUMBER OF EMPLOYER PROVIDED PLANS
    E5163_1         R15.HOW OBTAIN INSURANCE
    E5163_2         R15.HOW OBTAIN INSURANCE
    E5218           R48.ANY OTHER HEALTH INSUR
HRS 1998:
    F5894           R14.NUMBER OF PLANS
    F5896           R15.HOW OBTAIN INSURANCE
    F5938           R46.OTHER INSURANCE
    F5950           R48.ANY OTHER HEALTH INSUR
HRS 2000:
    G6266           R13.ANY INSURANCE THRU AN EMPLOYER
    G6269           R15.HOW OBTAIN INSURANCE
    G6312           R46.OTHER INSURANCE
    G6324           R48.ANY HEALTH INSUR
    G6325           R48B.ANY OTHER PURCHASED HEALTH INS
HRS 2002-2022:
    xN023           NUM PRIVATE HEALTH INS PLANS
    xN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    xN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    xN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    xN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    xN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    xN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    xN035_1         OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
    xN035_2         OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
    xN035_3         OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
    xN036_1         OBTAIN INS THRU HWP FORMER EMPLOYER- 1
    xN036_2         OBTAIN INS THRU HWP FORMER EMPLOYER- 2
    xN036_3         OBTAIN INS THRU HWP FORMER EMPLOYER- 3
    xN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    xN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    xN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
HRS 2016-2022:
    xN280_1         NAME PRIVATE HEALTH INSURANCE PLAN -1
    xN280_2         NAME PRIVATE HEALTH INSURANCE PLAN -2
    xN280_3         NAME PRIVATE HEALTH INSURANCE PLAN -3
    xN485_1         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 1
    xN485_2         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 2
    xN485_3         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 3
    xZ553_1         PRIVATE INSURANCE PLAN SOURCE - 1
    xZ553_2         PRIVATE INSURANCE PLAN SOURCE - 2
    xZ553_3         PRIVATE INSURANCE PLAN SOURCE - 3
```

Covered by health insurance from a current or previous employer

Wave	Variable	Label	Type
1	R1COVR	R1COVR:W1 R covered by R empl plan	Categ
2	R2COVR	R2COVR:W2 R covered by R empl plan	Categ
3	R3COVR	R3COVR:W3 R covered by R empl plan	Categ
4	R4COVR	R4COVR:W4 R covered by R empl plan	Categ
5	R5COVR	R5COVR:W5 R covered by R empl plan	Categ
6	R6COVR	R6COVR:W6 R covered by R empl plan	Categ
7	R7COVR	R7COVR:W7 R covered by R empl plan	Categ
8	R8COVR	R8COVR:W8 R covered by R empl plan	Categ
9	R9COVR	R9COVR:W9 R covered by R empl plan	Categ
10	R10COVR	R10COVR:W10 R covered by R empl plan	Categ
11	R11COVR	R11COVR:W11 R covered by R empl plan	Categ
12	R12COVR	R12COVR:W12 R covered by R empl plan	Categ
13	R13COVR	R13COVR:W13 R covered by R empl plan	Categ
14	R14COVR	R14COVR:W14 R covered by R empl plan	Categ
15	R15COVR	R15COVR:W15 R covered by R empl plan	Categ
16	R16COVR	R16COVR:W16 R covered by R empl plan	Categ
1	S1COVR	S1COVR:W1 S covered by R empl plan	Categ
2	S2COVR	S2COVR:W2 S covered by R empl plan	Categ
3	S3COVR	S3COVR:W3 S covered by R empl plan	Categ
4	S4COVR	S4COVR:W4 S covered by R empl plan	Categ
5	S5COVR	S5COVR:W5 S covered by R empl plan	Categ
6	S6COVR	S6COVR:W6 S covered by R empl plan	Categ
7	S7COVR	S7COVR:W7 S covered by R empl plan	Categ
8	S8COVR	S8COVR:W8 S covered by R empl plan	Categ
9	S9COVR	S9COVR:W9 S covered by R empl plan	Categ
10	S10COVR	S10COVR:W10 S covered by R empl plan	Categ
11	S11COVR	S11COVR:W11 S covered by R empl plan	Categ
12	S12COVR	S12COVR:W12 S covered by R empl plan	Categ
13	S13COVR	S13COVR:W13 S covered by R empl plan	Categ
14	S14COVR	S14COVR:W14 S covered by R empl plan	Categ
15	S15COVR	S15COVR:W15 S covered by R empl plan	Categ
16	S16COVR	S16COVR:W16 S covered by R empl plan	Categ
1	R1COVS	R1COVS:W1 R covered by S empl plan	Categ
2	R2COVS	R2COVS:W2 R covered by S empl plan	Categ
3	R3COVS	R3COVS:W3 R covered by S empl plan	Categ
4	R4COVS	R4COVS:W4 R covered by S empl plan	Categ
5	R5COVS	R5COVS:W5 R covered by S empl plan	Categ
6	R6COVS	R6COVS:W6 R covered by S empl plan	Categ
7	R7COVS	R7COVS:W7 R covered by S empl plan	Categ
8	R8COVS	R8COVS:W8 R covered by S empl plan	Categ
9	R9COVS	R9COVS:W9 R covered by S empl plan	Categ
10	R10COVS	R10COVS:W10 R covered by S empl plan	Categ
11	R11COVS	R11COVS:W11 R covered by S empl plan	Categ
12	R12COVS	R12COVS:W12 R covered by S empl plan	Categ
13	R13COVS	R13COVS:W13 R covered by S empl plan	Categ
14	R14COVS	R14COVS:W14 R covered by S empl plan	Categ
15	R15COVS	R15COVS:W15 R covered by S empl plan	Categ
16	R16COVS	R16COVS:W16 R covered by S empl plan	Categ
1	S1COVS	S1COVS:W1 S covered by S empl plan	Categ
2	S2COVS	S2COVS:W2 S covered by S empl plan	Categ
3	S3COVS	S3COVS:W3 S covered by S empl plan	Categ
4	S4COVS	S4COVS:W4 S covered by S empl plan	Categ
5	S5COVS	S5COVS:W5 S covered by S empl plan	Categ
6	S6COVS	S6COVS:W6 S covered by S empl plan	Categ
7	S7COVS	S7COVS:W7 S covered by S empl plan	Categ
8	S8COVS	S8COVS:W8 S covered by S empl plan	Categ
9	S9COVS	S9COVS:W9 S covered by S empl plan	Categ
10	S10COVS	S10COVS:W10 S covered by S empl plan	Categ
11	S11COVS	S11COVS:W11 S covered by S empl plan	Categ
12	S12COVS	S12COVS:W12 S covered by S empl plan	Categ
13	S13COVS	S13COVS:W13 S covered by S empl plan	Categ
14	S14COVS	S14COVS:W14 S covered by S empl plan	Categ
15	S15COVS	S15COVS:W15 S covered by S empl plan	Categ

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16    S16COVS             S16COVS:W16 S covered by S empl plan                          Categ

 E    RECOVR              RECOVR:EXIT R covered by R empl plan                          Categ
 E    RECOVS              RECOVS:EXIT R covered by S empl plan                          Categ
```

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1COVR	12464	0.46	0.50	0.0	1.0
R2COVR	11341	0.44	0.50	0.0	1.0
R3COVR	16010	0.37	0.48	0.0	1.0
R4COVR	20687	0.35	0.48	0.0	1.0
R5COVR	19446	0.34	0.48	0.0	1.0
R6COVR	17959	0.34	0.47	0.0	1.0
R7COVR	19931	0.35	0.48	0.0	1.0
R8COVR	18301	0.32	0.47	0.0	1.0
R9COVR	17049	0.29	0.45	0.0	1.0
R10COVR	21481	0.31	0.46	0.0	1.0
R11COVR	20249	0.29	0.45	0.0	1.0
R12COVR	18408	0.27	0.44	0.0	1.0
R13COVR	20496	0.27	0.45	0.0	1.0
R14COVR	16773	0.26	0.44	0.0	1.0
R15COVR	14825	0.25	0.43	0.0	1.0
R16COVR	15235	0.24	0.43	0.0	1.0
S1COVR	10167	0.33	0.47	0.0	1.0
S2COVR	8701	0.32	0.47	0.0	1.0
S3COVR	11065	0.24	0.42	0.0	1.0
S4COVR	13886	0.22	0.42	0.0	1.0
S5COVR	12787	0.24	0.43	0.0	1.0
S6COVR	11656	0.23	0.42	0.0	1.0
S7COVR	13081	0.23	0.42	0.0	1.0
S8COVR	11801	0.21	0.41	0.0	1.0
S9COVR	10711	0.20	0.40	0.0	1.0
S10COVR	13575	0.20	0.40	0.0	1.0
S11COVR	12566	0.18	0.38	0.0	1.0
S12COVR	11098	0.17	0.38	0.0	1.0
S13COVR	11888	0.16	0.37	0.0	1.0
S14COVR	9460	0.14	0.35	0.0	1.0
S15COVR	8465	0.14	0.35	0.0	1.0
S16COVR	8043	0.14	0.35	0.0	1.0
R1COVS	12465	0.27	0.44	0.0	1.0
R2COVS	11343	0.26	0.44	0.0	1.0
R3COVS	16226	0.18	0.39	0.0	1.0
R4COVS	20953	0.17	0.37	0.0	1.0
R5COVS	19461	0.18	0.38	0.0	1.0
R6COVS	17972	0.17	0.37	0.0	1.0
R7COVS	19938	0.17	0.38	0.0	1.0
R8COVS	18325	0.16	0.37	0.0	1.0
R9COVS	17067	0.15	0.35	0.0	1.0
R10COVS	21529	0.14	0.35	0.0	1.0
R11COVS	20272	0.13	0.33	0.0	1.0
R12COVS	18440	0.12	0.32	0.0	1.0
R13COVS	20530	0.11	0.31	0.0	1.0
R14COVS	16805	0.10	0.30	0.0	1.0
R15COVS	14863	0.09	0.29	0.0	1.0

R16COVS	15259	0.08	0.28	0.0	1.0
S1COVS	10166	0.45	0.50	0.0	1.0
S2COVS	8699	0.43	0.50	0.0	1.0
S3COVS	10708	0.40	0.49	0.0	1.0
S4COVS	13450	0.39	0.49	0.0	1.0
S5COVS	12670	0.38	0.49	0.0	1.0
S6COVS	11545	0.38	0.48	0.0	1.0
S7COVS	12901	0.37	0.48	0.0	1.0
S8COVS	11667	0.35	0.48	0.0	1.0
S9COVS	10571	0.32	0.47	0.0	1.0
S10COVS	13253	0.33	0.47	0.0	1.0
S11COVS	12354	0.31	0.46	0.0	1.0
S12COVS	10856	0.29	0.45	0.0	1.0
S13COVS	11604	0.30	0.46	0.0	1.0
S14COVS	9187	0.28	0.45	0.0	1.0
S15COVS	8218	0.26	0.44	0.0	1.0
S16COVS	7673	0.25	0.43	0.0	1.0
RECOVR	15832	0.16	0.37	0.0	1.0
RECOVS	15818	0.09	0.29	0.0	1.0

Categorical Variable Codes

RwCOVR: R covered by R empl plan

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr	11	36	439	590	36					
.D=DK			46			66	69	66	85	144
.E=Cov,DK whether by emplyr			1401			83	87	72	50	118
.J=Web interview, missing										
.M=Oth missing	95	43	78	107	96	14	18	15	17	251
.Q=Not asked this wv		8222								
.R=RF			17			43	24	15	16	40
.T=Cov by oth,maybe ex-spou	82									
0.No	6673	6323	10107	13378	12738	11786	13048	12493	12096	14809
1.Yes	5791	5018	5903	7309	6708	6173	6883	5808	4953	6672

Value	w11	w12	w13	w14	w15	w16
.C=Cov,DK by whose emplyr						
.D=DK	130	142	147	103	152	130
.E=Cov,DK whether by emplyr	90	104	86	87	503	162
.J=Web interview, missing				47	57	62
.M=Oth missing	49	48	129	91	124	138
.Q=Not asked this wv						
.R=RF	36	45	54	45	62	60
.T=Cov by oth,maybe ex-spou						
0.No	14472	13461	14898	12453	11127	11603
1.Yes	5777	4947	5598	4320	3698	3632

SwCOVR: S covered by R empl plan

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr	6	25	158	236	17					
.D=DK			12			19	19	25	21	38
.E=Cov,DK whether by emplyr			795			30	24	15	20	33
.J=Web interview, missing										
.M=Oth missing	98	15	18	28	28	3	1	3	3	121
.Q=Not asked this wv		4549								
.R=RF			4			22	12	5	9	13
.T=Cov by oth,maybe ex-spou	8									
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		384	282	366	209	129	215	203	247	457
0.No	6782	5905	8452	10792	9721	9004	10080	9282	8604	10912
1.Yes	3385	2796	2613	3094	3066	2652	3001	2519	2107	2663

Value	w11	w12	w13	w14	w15	w16
.C=Cov,DK by whose emplyr						
.D=DK	51	57	60	42	68	39
.E=Cov,DK whether by emplyr	38	34	32	34	63	36
.J=Web interview, missing				28	33	28
.M=Oth missing	6	12	30	15	19	19
.Q=Not asked this wv						
.R=RF	12	15	23	15	30	17
.T=Cov by oth,maybe ex-spou						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	408	406	855	874	852	1064
0.No	10304	9214	9982	8098	7273	6915
1.Yes	2262	1884	1906	1362	1192	1128

RwCOVS: R covered by S empl plan

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr	9	36	218	330	31					
.D=DK			33			64	63	59	69	130
.E=Cov,DK whether by emplyr			1421			82	91	57	50	110
.J=Web interview, missing										
.M=Oth missing	98	41	77	101	86	12	17	15	16	230
.Q=Not asked this wv		8222								
.R=RF			16			35	20	13	15	35
.T=Cov by oth,maybe ex-spou	80									
0.No	9108	8406	13276	17478	15947	14947	16557	15348	14558	18530
1.Yes	3357	2937	2950	3475	3514	3025	3381	2977	2509	2999

Value	w11	w12	w13	w14	w15	w16
.C=Cov,DK by whose emplyr						
.D=DK	121	127	139	90	144	123
.E=Cov,DK whether by emplyr	84	96	73	88	484	163
.J=Web interview, missing				40	50	51
.M=Oth missing	44	45	120	84	122	132
.Q=Not asked this wv						
.R=RF	33	39	50	39	60	59
.T=Cov by oth,maybe ex-spou						
0.No	17662	16244	18278	15173	13457	13964
1.Yes	2610	2196	2252	1632	1406	1295

SwCOVS: S covered by S empl plan

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr	10	25	379	496	22					
.D=DK			22			21	25	32	37	52
.E=Cov,DK whether by emplyr			781			38	28	26	24	48
.J=Web interview, missing										
.M=Oth missing	95	17	22	34	38	5	2	3	4	142
.Q=Not asked this wv		4549								
.R=RF			5			30	16	7	10	18
.T=Cov by oth,maybe ex-spou	8									
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		384	417	536	311	220	380	317	365	724
0.No	5574	4963	6390	8175	7836	7177	8078	7628	7199	8858
1.Yes	4592	3736	4318	5275	4834	4368	4823	4039	3372	4395

Value	w11	w12	w13	w14	w15	w16
.C=Cov,DK by whose emplyr						
.D=DK	60	72	68	55	76	46
.E=Cov,DK whether by emplyr	44	48	41	38	90	39
.J=Web interview, missing				38	40	39
.M=Oth missing	11	15	39	19	21	25
.Q=Not asked this wv						
.R=RF	15	21	27	21	32	18
.T=Cov by oth,maybe ex-spou						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	8539	7696	8150	6632	6073	5729
1.Yes	3815	3160	3454	2555	2145	1944

RECOVR: EXIT R covered by R empl plan

Value	
.C=Cov,DK by whose emplyr	388
.D=DK	834
.E=Cov,DK whether by emplyr	589
.M=Oth missing	41
.R=RF	28
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	13326
1.Yes	2506

RECOVS: EXIT R covered by S empl plan

Value	
.C=Cov,DK by whose emplyr	388
.D=DK	834
.E=Cov,DK whether by emplyr	603
.M=Oth missing	41
.R=RF	28
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	14326
1.Yes	1492

How Constructed

Core Interview Variables

RwCOVR indicates whether the Respondent is covered by health insurance from their current or previous employer. SwCOVR indicates whether the Respondent's spouse or partner is covered by the Respondent's employer. RwCOVS indicates whether the Respondent is covered by their spouse's employer. SwCOVS indicates whether the Respondent's spouse is covered by the spouse's employer.

If the Respondent says they are covered by employer-provided health insurance, then the source of that insurance is checked. If the source of any plan that covers the Respondent is the Respondent's current or previous employer, the Respondent's union, or through the Respondent's self-employment then RwCOVR is set to "yes." If the source of any plan that covers the Respondent is the spouse's current or previous employer or the spouse's union, then RwCOVS is set to "yes."

In Wave 1, the Financial Respondent answers all questions. These are adjusted as appropriate for the non-Financial Respondent. The source of insurance in this wave could be given as other, including deceased or ex-spouse. Because of the ambiguity of this code, if this is the only information available, RwCOVR and RwCOVS are set to .T, covered by other insurance including the possibility of an ex-spouse. In Versions prior to G, these cases were treated as missing source of coverage (.C).

In Wave 2H, the source of the plan is not asked if a preloaded value indicates that the Respondent reported being covered by employer-provided health insurance at Wave 1 and if the Respondent indicates that they are still covered by that source. The HRS documentation indicates that the preloaded value is taken from specific Wave 1 variables. In these cases, the Wave 1 variable is used to determine whether the plan that continues to cover the Respondent in Wave 2 is the Respondent's or the spouse's plan. If it is the Respondent's plan, then RwCOVR is set to "yes." If it is the spouse's plan, then RwCOVS is set to "yes."

If the preloaded value does not indicate Wave 1 coverage or if the Respondent does not say they are still covered by that source, then questions similar to the Wave 1 questions are asked, and if the source of any plan that covers the Respondent is the Respondent's current or previous employer, union, or own business, then RwCOVR is set to "yes." If the source of any plan that covers the Respondent is the spouse's current or previous employer, or union, then RwCOVS is set to "yes."

In Wave 2A, questions about non-government health insurance do not include any information about the source of the coverage. So for the AHEAD Respondents, R2COVR, R2COVS, and R2COVRT are set to .Q, to indicate that no information is available.

From Wave 3 forward, the questions do not depend on answers given in previous waves. In Wave 3A, a question asks if the Respondent is covered by any non-government health plan besides long-term care insurance. If any source of insurance is unknown, and none of the sources indicate the Respondent's employer, then RwCOVR is set to .E, which means the Respondent is covered by health insurance, but it is unknown whether the source is an employer. Similarly, if any source is unknown, and none are the Respondent's spouse's employer RwCOVS is set to special missing code .E. Note that there were a large number of cases that skipped the questions about source of insurance, but had indicated that they had some insurance, and are now assigned .E. If no source is unknown, and

none of the sources indicate the Respondent and the Respondent's spouse's employer, then RwCOVR and RwCOVS are set to "no," respectively.

In Waves 3H, 4 and 5, a question asks if the Respondent is covered by any employer-provided health insurance, or if self-employed, through the business. If no health insurance is reported in these questions, RwCOVR and RwCOVS are set to "no." If the Respondent reports having health insurance, the source-of-insurance questions are checked and RwCOVR is set to "yes" if the source is the Respondent's current or previous employer, or union. If the Respondent is self-employed and has health insurance through the business, then RwCOVR is set to "yes." RwCOVS is set to "yes" if the source is the spouse's current or previous employer, or union.

In Waves 3H and from Wave 4 forward, if the only source of coverage is the spouse's employer (current or previous) or union, then RwCOVR is set to "no." If the only source of coverage is the Respondent's employer (current or previous), union, or self-employment, then RwCOVS is set to "no." Otherwise if any source of coverage is "other," "don't know," or "refuse," then RwCOVR and RwCOVS are set to special missing .C, covered but don't know the source. This happens most often for self-employed Respondents in Waves 3H and 4 who did not have insurance through the business, but did through an employer. In Wave 3H and from Wave 4 on, if RwCOVS is .C and the spouse of the Respondent indicates whether or not the Respondent is covered by their (the spouse's) employer-provided insurance, then RwCOVS is set according to the spouse information.

Beginning in Wave 6, separate questions asked about particular sources of employer-provided health insurance for up to three plans. RwCOVR is set to "yes" if the source is the Respondent's current or previous employer, or union for any of the three plans. RwCOVS is set to "yes" if the source is the spouse's current or previous employer, or union for any of the three plans. The self-employed are no longer asked this question separately; it is combined with current employer. There is no single question about whether the Respondent has any employer-provided insurance as there is in other waves. If the number of insurance plans is more than zero, but no source is provided in any of the questions, then we know that the Respondent has some health insurance, but we don't know if is provided by an employer. These cases are coded .E, for covered by health insurance but unknown whether it is employer-provided. Note that in Versions prior to G, these cases were coded .C, covered but unknown by whose employer.

Because questions are skipped based on the Respondent's marital status in Waves 6 and 7, spouse's current or previous employer is not directly asked as the source if the Respondent is not married/partnered. In prior waves, there is no such limitation, and some reported a spouse's employer as the source of insurance even when not married. In the early releases of 2002 and 2004 data, many specified the source of insurance as other. In the final releases, HRS has recoded based on interviewer notes to indicate a former or deceased spouse's employer as the source when appropriate. Thus R6COVS and R7COVS may be lower than in other waves simply due to the skip pattern, but is significantly improved over those based on the early release data. From Wave 8 forward, this was changed so that ever-married single Respondents are asked if the source of insurance is from a former spouse's current or previous employer.

S1COVR and S1COVS for Wave 1 are taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then S1COVR and S1COVS are the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then S1COVR and S1COVS are the Financial Respondent's information.

From Wave 2 on, SwCOVR is taken from the spouse's self-reported RwCOVS variable (Respondent covered by spouse's plan), if available. SwCOVS is taken from the spouse's self-reported RwCOVR variable. For Wave 3H and from Wave 4 on, if the spouse's self-report is not available or missing, the question about coverage of others besides the Respondent is used to determine if the Respondent's spouse is covered by the Respondent's plan; if so, then SwCOVR is set to yes.

Please see "Plan specific employer-provided health insurance: Source of insurance and who is covered" for information on individual plans reported.

Exit Interview Variables

RECOVR indicates whether the Respondent was covered by an employer or previous employer's health insurance plan at the time of death. RECOVS indicates whether the Respondent was covered by a spouse or ex-spouse's employer's or previous employer's health insurance plan at time of death.

If the proxy indicates Respondent was covered by employer-provided health insurance, then the source of that insurance is checked.

If the source of any plan that covers the Respondent was the Respondent's current or previous employer, the Respondent's union, or through the Respondent's self-employment then RECOVR is set to "Yes." If the source of any plan that covers the Respondent was the spouse/ex-spouse's current or previous employer or the spouse/ex-spouse's union, then RECOVS is set to "Yes." If we know that the Respondent was covered by employer-sponsored insurance, but we don't know whether it was provided by the Respondent's or the spouse/ex-spouse's employer or former employer, we assign a value of .C indicating employer-provided insurance and it's not known whose employer it is. There are some cases where we know that the Respondent had a non-government health insurance plan but have no other source information, we assign a value of .E, indicating the Respondent had health insurance but it's unknown whether it was employer-provided.

In Wave 2H, we look at data from the Core Interview Wave 1 preload to determine if the Respondent had been covered by employer-provided health insurance. If the Respondent reported coverage by employer-provided health insurance in Wave 1, and if the proxy indicates that Respondent was still covered by that source in Wave 2H, the preload is used to determine whether the plan that covered the Respondent was the Respondent's own plan (RECOVR="yes") or from the spouse's plan (RECOVS="yes"). If the preload is not indicative of employer's health insurance coverage, then the proxy is asked more insurance questions in Wave 2H. If the source of any plan is from the Respondent's current or previous employer, union, or own business, then RECOVR is set to "yes." If the source of any plan is from the spouse's current or previous employer, or union, then RECOVS is set to "yes."

In Wave 3, RECOVR and RECOVS are constructed using the same method as used for Core Interview Measures for Wave 3. The proxy is asked if the Respondent had other non-government health insurance plans at death. If the source of the plan indicates the Respondent's former or previous employer or union then RECOVR="yes." If source indicates the spouse's plan or spouse's union, RECOVS="yes." If the source is unknown and no sources indicate the Respondent's employer, RECOVR is assigned .E , which means the Respondent was covered by health insurance but it's not known if the source is an employer. This is the same for the Respondent's spouse's employer. RECOVS is set to .E if the Respondent was covered by a health plan but it's not known if the source is a spouse's employer. If no health insurance is reported and none of the sources indicate the Respondent and Respondent's spouse's employer, then RECOVR and RECOVS are set to "no." As in the Core Interview Measures Wave 3, there are a large number of .E's, in Exit Wave 3, indicating the proxy responded to the question about the Respondent having health insurance at the time of death, but skipped the questions about the source of insurance.

In Wave 4, there are only two questions related to an employer insurance plan. First a question is asked of everyone, "At the time of death was the Respondent covered by any employer-provided health insurance?" The second question is "How many different employer-provided health insurance plans was the Respondent covered by when died?" Unlike all other waves there is no information about the source of employer provided plan or whose plan it was. If the first question is answered "yes" RECOVR and RECOVS are set to the special missing value .C, indicating the Respondent was covered by employer-provided insurance, but it's not known by whose employer.

In Wave 5, a lead-in question determines if the Respondent was covered by any employer-provided or self-employed health insurance at death. If no health insurance is reported in these questions, RECOVR and RECOVS are set to "no." If the Respondent reports having health insurance, insurance source questions are asked. If the source is the Respondent's current or previous employer or union, RECOVR is set to "yes." If the Respondent is self-employed and has health insurance through the business, then RECOVR is set to "yes." Likewise, RECOVS is set to "yes" if the insurance source is the spouse's current or previous employer, or union. However, if the only source of coverage is the spouse's employer (current or previous) or union, then RECOVR is set to "no." If the only source of coverage is the Respondent's employer (current or previous), union, or self-employment, then RECOVS is set to "no." Otherwise if any source of coverage is "other," "don't know," or "refuse," then RECOVR and RECOVS are set to special missing .C.

From Wave 6 forward, the proxy is asked how many non-government health insurance plans the Respondent had. There are separate questions asked about the specific sources of this employer-provided health insurance for up to three plans. If the Respondent's own business or current or former employer or union is the provider for the health insurance, then RECOVR is coded to "Yes." If the insurance is provided through the spouse's own business, current or previous employer or union, RECOVS is coded to "Yes." If the number of insurance plans is more than zero, but no source is provided in any of the questions, .E is assigned indicating the Respondent had insurance but it's not known if it was employer-provided insurance.

In Wave 13 forward we utilize preloads if the proxy indicates the Respondent was covered by the same insurance plan source as the previous wave. When these preloads are not available, then we use information reported during the most recently available last Core Interview.

Core and Exit Differences

Exit Interview Waves 3A and 3H are similar to Core Interview Wave 3A.

In the Exit Interview Wave 4, the proxy is asked only two questions about employer insurance: 1) if the Respondent was covered by any employer-provided health insurance at death and, if so, 2) how many plans. There aren't questions that ask about specific sources of insurance; therefore, RECOVR and RECOVS from Exit Wave 4 are assigned a value of .C, indicating the Respondent was covered by an employer-provided insurance, but it's not known by whose employer.

Exit Interview Wave 6, a question about the Respondent obtaining insurance through a former employer is not included in the Exit Interview measures.

In Exit Interview Wave 13, the preload of the private insurance plan source for the three plans is not available. For this Wave we use information reported during the most recently available last Core Interview.

Cross Wave Differences in Original HRS Data

Core Interview Variables

In Wave 1, the health insurance questions are asked only of the Financial Respondent, about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only.

In Wave 1, the private health insurance questions begin with:

"Do you have any type of health insurance coverage obtained through your [or your spouse's] employer, former employer or union, such as Blue Cross-Blue Shield or a Health Maintenance Organization?"

If "yes," the Financial Respondent is asked how many plans and the source of up to 2 plans. The source of insurance can be the Respondent's current or former employer, the Respondent's union, the Respondent's spouse's current or former employer or union, and other. If the Financial Respondent is married and reported having employer-provided health insurance, the first question about the spouse's private health insurance coverage is:

"You told me earlier that you obtain health insurance through an employer or union. Is your spouse covered by the same insurance plan(s)?"

If so, the Financial Respondent is then asked by which (if more than one plan). The questions then ask if the Financial Respondent's spouse is covered by any other employer-provided health insurance, and if so, the source of up to 2 plans. This results in information on coverage of the Financial Respondent's spouse on up to 4 employer-provided health insurance plans. For the Financial Respondent in Wave 1, and for Waves 2H and 3, up to 2 insurance plans are asked about. From Wave 4 forward, only 1 employer-provided health insurance plan is asked about. The question wording asks for information about plans in order of importance.

In Wave 2H, if preloaded information indicates the Respondent was covered by any employer-provided health insurance in Wave 1, the following question is asked:

"According to our records, in [Wave 1 interview month] you were covered by health insurance from [source of plan preloaded from W1]. Are you still covered by the same employer health insurance policy as before?"

If "yes," no further questions on source of insurance are asked. If the Respondent is the Financial Respondent in Wave 2H and says the records show wrong coverage, a follow-up question asks for a corrected source of insurance at the last interview and whether the Respondent is still covered. If the Respondent was not the Financial Respondent in Wave 1 and says the records show wrong coverage, or if the Respondent (the Financial Respondent or not) responds with any other answer except "yes," questions almost identical to those asked in Wave 1 regarding coverage and its source are asked.

In Wave 2H, additional answers for the source of health insurance are possible. In particular, "Through own business" and "Purchased through own business/self-employment" are added to address the coverage of those self-employed.

In Wave 2A, questions about other health insurance are asked, but there are no questions to indicate whether the source of that insurance is a current or previous employer.

In Wave 3A, the question about other health insurance is followed up by asking the source of the insurance. Besides current or previous employers and unions of the Respondent and spouse, the source can be other organizations or self. There are two questions about source of coverage, one for the first, or most important plan, and the other about other plans, with the option to answer all that apply. If the number of plans was given as zero, both these questions were asked. In the derivation of this variable, a "don't know" or "refuse" response with regard to the other plans is ignored when the number of plans is zero. Since many valid responses are given about the source of the first plan when the number of plans is zero, we assume that there is at least one health plan. Due to an apparent skip problem in some versions of the HRS instrument, over 1,000 cases responded yes to the question about having other insurance, but then skipped all questions about its source.

In Waves 3H, 4 and 5, self-employed Respondents are asked: "Do you have health insurance through that business that pays hospital or doctor bills?" If self-employed and not covered through the business, or if not self-employed, the Respondent is asked if they are covered by any employer-provided health insurance.

If "yes," the source of the coverage is asked. Unfortunately, in Waves 3H and 4, the specific source of coverage was skipped if the Respondent was self-employed, not covered by the business, but was covered by an employer-provided insurance. This is corrected in Wave 5.

In Waves 6 and 7, the questions about sources of employer-provided health insurance are asked about up to three plans, and they are asked differently than in previous waves. The questions about source of insurance are asked separately, in the following order until the source is reported:

1. Only if the Respondent is working: "Do you obtain this health insurance through Current employer/Own Business of yours?"

2. "Do you obtain this health insurance through a former employer of yours?"

3: Only if the Respondent is married/partnered: "Do you obtain this health insurance through your spouse/partner's Current employer?"

4. Only if the Respondent is married/partnered: "Do you obtain this health insurance through your spouse/partner's former employer?"

5. "Did you purchase this plan directly from an insurance company, through your/your spouse's union, through a group such as AARP, a church, or other organization, or what?"

From Wave 8 forward, question 3 is also asked of those who are separated, divorced, or who have had their marriage annulled, with the following wording: "Do you obtain this health insurance through your former spouse/partner's Current employer?" Question 4 is asked of this expanded group and those who are widowed as: "Do you obtain this health insurance through your former spouse/partner's former employer?"

Note that in prior waves, the Respondent's current employer could be given as the source even if the Respondent is not working, and the spouse's employer could be given as the source even if the Respondent is not married or partnered. Former and deceased spouse's employers have been coded as the source if mentioned in response to the 5th question in the final release of 2002 (W6) and 2004 (W7) data.

For Wave 3H and from Wave 4 forward, if coverage is from the Respondent's employer or union, the Respondent is also asked who else is covered on this health insurance, and the response options include a code for spouse.

From Wave 13 forward, if the Respondent was covered by the same insurance plan as previous interview, we use data from a preload; however, in Wave 13 the preload fields were not all available so we use information from the last completed Core Interview.

Exit Interview Variables

For Wave 2H we use Core Interview preloads if the proxy indicates the Respondent was covered by the same insurance as in Wave 1.

In Waves 2H, 4 and 5, there are special cases coded as .C, indicating the Respondent was covered by employer-provided insurance, but it's not known by whose employer.

In Wave 3, and from Wave 6 forward, the private health insurance questions start with the number of non-government health insurance plans. If the proxy does not provide a source of the insurance, .E is assigned, indicating coverage but it's not known whether the insurance was obtained through an employer.

From Wave 6 forward, questions about sources of employer-provided health insurance are asked for up to three plans, and they are asked differently than in previous waves. The questions are asked separately, in the following order until the source and number of plans are reported:

1. How many other such plans did the Respondent have at the time of death? (Other than Medicare/HMO, do not include long-term care insurance)

2. Only if the Respondent was working: "Did the Respondent obtain this health insurance through Current employer/Own Business?"

3. "Did the Respondent obtain this health insurance through a former employer?"

4. Only if the Respondent was married/partnered: "Did the Respondent obtain this health insurance through his/her spouse/partner's current employer?"

5. Only if the Respondent was married/partnered: "Did the Respondent obtain this health insurance through his/her spouse/partner's former employer?"

6. "Did the Respondent purchase this plan directly from an insurance company, through his/her spouse's union, through a group such as AARP, a church, or other organization, or what?"

Please note that responses to question three of the Exit interview measures for Wave 6 were not available.

Responses from Waves 6 through 8 include a code for former or deceased spouse's employer/union in question six.

From Wave 8 forward, question 4 is asked for those who are separated, divorced, or who have had their marriage annulled, with the following wording: "Did s/he obtain this health insurance through his/her former spouse/partner's current employer?" Question 5 and 6 are asked of this expanded group and those who are widowed as: "Did s/he obtain this health insurance through his/her former spouse/partner's former employer?"

From Wave 13 forward, if the proxy indicates the Respondent was covered by the same insurance plan as the Respondent's previous Core interview, we use data from a preload; however, in Wave 13 the preload fields were not available so we use information reported during the most recently available last Core interview.

HRS Variables Used

Core Interview Variables

```
HRS 1992:
    V6614           R3:R1EMPLR HLTH INS PLAN
    V6615           R3A:R1EMP:#PLANS HAVE
    V6616           R4:R1EMP:#1:HOW OBTAINED
    V6624           R4:R1EMP:#2:HOW OBTAINED
    V6813           R25:R2HAS OTHR EMP INS
    V6814           R26:R2EMPLR HLTH INS PLN
    V6815           R26A:R2EMP:#PLANS HAVE
    V6816           R27:R2EMP:#1:HOW OBTAIND
    V6824           R27:R2EMP:#2:HOW OBTAIND
HRS 1994:
    W6705           R2-1.COVERED BY SAME POL
    W6706           R2a-1.WHO PROVIDED HEALT
    W6707           R2b-1.STILL COVERED BY W
    W6708           R2-2a.STILL COVERED BY S
    W6724           R4.CURRENT HEALTH INS FR
    W6726           P1. R5.HOW OBTAINED
    W6740           P2. R5.HOW OBTAINED
AHEAD 1995:
    D5214           R9. OTHER HEALTH INSURANCE
    D5215           R9A.# OTHER HEALTH INS
    D5225M1         R10D-1.  HOW OBTAIN OTHER HMO-1
    D5225M2         R10D-2. HOW OBTAIN OTHER HMO-1
    D5225M3         R10D. HOW OBTAIN OTHER HMO-1
    D5242M1         R11D-1.  HOW OBTAIN OTHER HMO-1
    D5242M2         R11D-2.  HOW OBTAIN OTHER HMO-1
HRS 1996:
    E5158           R12X.SELF-EMP INSURANCE
    E5160           R13.ANY EMPLR INSURANCE FOR HOSP/DR BILL
    E5163_1         R15.HOW OBTAIN INSURANCE
    E5163_2         R15.HOW OBTAIN INSURANCE
    E5172_1         R19C.ANYONE ELSE COVERED
    E5172_2         R19C.ANYONE ELSE COVERED
    E5173001        R19D.WHO COVERED?
    E5173002        R19D.WHO COVERED?
    E5173003        R19D.WHO COVERED?
    E5173004        R19D.WHO COVERED?
    E5173005        R19D.WHO COVERED?
    E5173011        R19D.WHO COVERED?
    E5173012        R19D.WHO COVERED?
    E5173013        R19D.WHO COVERED?
    E5173014        R19D.WHO COVERED?
    E5173015        R19D.WHO COVERED?
HRS 1998:
    F5891           R12X.SELF-EMP INSURANCE
    F5893           R13.ANY INSURANCE FOR HOSP/DR BILLS
    F5896           R15.HOW OBTAIN INSURANCE
    F5906M1         R19D.WHO COVERED?
    F5906M2         R19D.WHO COVERED?
    F5906M3         R19D.WHO COVERED?
    F5906M4         R19D.WHO COVERED?
    F5906M5         R19D.WHO COVERED?
    F5906M6         R19D.WHO COVERED?
HRS 2000:
    G6264           R12AA.SELF-EMP INSURANCE
    G6266           R13.ANY INSURANCE THRU AN EMPLOYER
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    G6269           R15.HOW OBTAIN INSURANCE
    G6279M1         R19D.WHO COVERED?
    G6279M2         R19D.WHO COVERED?
    G6279M3         R19D.WHO COVERED?
    G6279M4         R19D.WHO COVERED?
    G6279M5         R19D.WHO COVERED?
    G6279M6         R19D.WHO COVERED?
    G6279M7         R19D.WHO COVERED?
HRS 2004:
    JN049_2E        PRIV PLAN HI- WHO COVERED-2-5
    JN049_2F        PRIV PLAN HI- WHO COVERED -2
    JN049_3E        PRIV PLAN HI- WHO COVERED- 3- 5
HRS 2006:
    KN049_2E        PRIV PLAN HI- WHO COVERED -2- 5
    KN049_2F        PRIV PLAN HI- WHO COVERED -2- 6
    KN049_3E        PRIV PLAN HI- WHO COVERED- 3- 5
HRS 2008:
    LN049_2E        PRIV PLAN HI- WHO COVERED -2- 5
    LN049_2F        PRIV PLAN HI- WHO COVERED -2- 6
HRS 2010:
    MN049_2E        PRIV PLAN HI- WHO COVERED -2- 5
    MN049_2F        PRIV PLAN HI- WHO COVERED- 2- 6
    MN049_3E        PRIV PLAN HI- WHO COVERED- 3- 4
HRS 2014:
    ON049_2E        PRIV PLAN HI- WHO COVERED- 2- 5
    ON049_2F        PRIV PLAN HI- WHO COVERED- 2- 6
HRS 2014:
    ON049_1G        PRIV PLAN HI- WHO COVERED- 1- 7
    ON049_1H        PRIV PLAN HI- WHO COVERED- 1- 8
HRS 2016:
    PN049_2E        PRIV PLAN HI- WHO COVERED- 2- 5
    PN049_2F        PRIV PLAN HI- WHO COVERED- 2- 6
HRS 2002-2022:
    xN023           NUM PRIVATE HEALTH INS PLANS
    xN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    xN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    xN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    xN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    xN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    xN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    xN035_1         OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
    xN035_2         OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
    xN035_3         OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
    xN036_1         OBTAIN INS THRU HWP FORMER EMPLOYER- 1
    xN036_2         OBTAIN INS THRU HWP FORMER EMPLOYER- 2
    xN036_3         OBTAIN INS THRU HWP FORMER EMPLOYER- 3
    xN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    xN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    xN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
    xN048_1         PRIV PLAN HI- ANYONE ELSE COVERED- 1
    xN048_2         PRIV PLAN HI- ANYONE ELSE COVERED- 2
    xN048_3         PRIV PLAN HI- ANYONE ELSE COVERED- 3
    xN049_1A        PRIV PLAN HI- WHO COVERED- 1- 1
    xN049_1B        PRIV PLAN HI- WHO COVERED- 1- 2
    xN049_1C        PRIV PLAN HI- WHO COVERED- 1- 3
    xN049_1D        PRIV PLAN HI- WHO COVERED- 1- 4
    xN049_1E        PRIV PLAN HI- WHO COVERED- 1- 5
    xN049_1F        PRIV PLAN HI- WHO COVERED- 1- 6
    xN049_2A        PRIV PLAN HI- WHO COVERED- 2- 1
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    xN049_2B        PRIV PLAN HI- WHO COVERED- 2- 2
    xN049_2C        PRIV PLAN HI- WHO COVERED- 2- 3
    xN049_2D        PRIV PLAN HI- WHO COVERED- 2- 4
    xN049_3A        PRIV PLAN HI- WHO COVERED- 3- 1
    xN049_3B        PRIV PLAN HI- WHO COVERED- 3- 2
    xN049_3C        PRIV PLAN HI- WHO COVERED- 3- 2
    xN049_3D        PRIV PLAN HI- WHO COVERED- 3- 4
HRS 2004-2006:
    xN049_3F        PRIV PLAN HI- WHO COVERED- 3- 6
HRS 2016-2022:
    xN280_1         NAME PRIVATE HEALTH INSURANCE PLAN -1
    xN280_2         NAME PRIVATE HEALTH INSURANCE PLAN -2
    xN280_3         NAME PRIVATE HEALTH INSURANCE PLAN -3
    xN485_1         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 1
    xN485_2         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 2
    xN485_3         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 3
    xZ553_1         PRIVATE INSURANCE PLAN SOURCE - 1
    xZ553_2         PRIVATE INSURANCE PLAN SOURCE - 2
    xZ553_3         PRIVATE INSURANCE PLAN SOURCE - 3
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Exit Interview Variables

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HRS 1994:
    W6705           R2-1.COVERED BY SAME POL
    W6706           R2a-1.WHO PROVIDED HEALT
    W6707           R2b-1.STILL COVERED BY W
    W6708           R2-2a.STILL COVERED BY S
    W6709           R2-2b.STILL COVERED BY S
    W6724           R4.CURRENT HEALTH INS FR
    W6725           R4a.# HEALTH INS PLANS F
    W6726           P1. R5.HOW OBTAINED
    W6740           P2. R5.HOW OBTAINED
AHEAD 1995:
    N5339           R9.OTHER HEALTH INSURANCE
    N5340           R9a.# OTHER HEALTH INS
    N5341M1         R10d.HOW OBTAIN OTHER HMO-1
    N5341M2         R10d.HOW OBTAIN OTHER HMO-1
    N5362M1         R11d.HOW OBTAIN OTHER HMO-1
    N5362M2         R11d.HOW OBTAIN OTHER HMO-1
HRS 1996:
    P2231           R9. OTHER HEALTH INSURANCE
    P2232           R9a.# OTHER HEALTH INS
    P2233M1         R10d. HOW OBTAIN OTHER HMO-1
    P2233M2         R10d. HOW OBTAIN OTHER HMO-1
    P2254M1         R11d. HOW OBTAIN OTHER HMO-1
    P2254M2         R11d. HOW OBTAIN OTHER HMO-1
HRS 1998:
    Q2585           R13.ANY INSURANCE FOR HOSP/DR BILLS
    Q2586           R14.NUMBER OF PLANS
HRS 2000:
    R2611           R12aa.SELF-EMP INSURANCE
    R2613           R13.ANY INSURANCE THRU AN EMPLOYER
    R2616           R15.HOW OBTAIN INSURANCE
HRS 2016:
    ZN280_1         NAME PRIVATE HEALTH INSURANCE PLAN -1
    ZN280_2         NAME PRIVATE HEALTH INSURANCE PLAN -2
    ZN280_3         NAME PRIVATE HEALTH INSURANCE PLAN -3
    ZN485_1         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 1
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    ZN485_2         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 2
    ZN485_3         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 3
HRS 2002-2022:
    xN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    xN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    xN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    xN035_1         OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
    xN035_2         OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
    xN035_3         OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
    xN036_1         OBTAIN INS THRU HWP FORMER EMPLOYER- 1
    xN036_2         OBTAIN INS THRU HWP FORMER EMPLOYER- 2
    xN036_3         OBTAIN INS THRU HWP FORMER EMPLOYER- 3
    xN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    xN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    xN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
HRS 2004-2022:
    xN034_1         OBTAIN INS THRU FORMER EMPLOYER -1
    xN034_2         OBTAIN INS THRU FORMER EMPLOYER -2
    xN034_3         OBTAIN INS THRU FORMER EMPLOYER -3
```

Tracker Variables

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Tracker:
    xFINR               1992-1994 WHETHER FINANCIAL RESPONDENT
```

Whether employer-provided health plan covers retirees

Wave	Variable	Label	Type
1	R1COVRT	R1COVRT:W1 R plan covers retirees	Categ
2	R2COVRT	R2COVRT:W2 R plan covers retirees	Categ
3	R3COVRT	R3COVRT:W3 R plan covers retirees	Categ
4	R4COVRT	R4COVRT:W4 R plan covers retirees	Categ
5	R5COVRT	R5COVRT:W5 R plan covers retirees	Categ
6	R6COVRT	R6COVRT:W6 R plan covers retirees	Categ
7	R7COVRT	R7COVRT:W7 R plan covers retirees	Categ
8	R8COVRT	R8COVRT:W8 R plan covers retirees	Categ
9	R9COVRT	R9COVRT:W9 R plan covers retirees	Categ
10	R10COVRT	R10COVRT:W10 R plan covers retirees	Categ
11	R11COVRT	R11COVRT:W11 R plan covers retirees	Categ
12	R12COVRT	R12COVRT:W12 R plan covers retirees	Categ
13	R13COVRT	R13COVRT:W13 R plan covers retirees	Categ
14	R14COVRT	R14COVRT:W14 R plan covers retirees	Categ
15	R15COVRT	R15COVRT:W15 R plan covers retirees	Categ
16	R16COVRT	R16COVRT:W16 R plan covers retirees	Categ
1	S1COVRT	S1COVRT:W1 S plan covers retirees	Categ
2	S2COVRT	S2COVRT:W2 S plan covers retirees	Categ
3	S3COVRT	S3COVRT:W3 S plan covers retirees	Categ
4	S4COVRT	S4COVRT:W4 S plan covers retirees	Categ
5	S5COVRT	S5COVRT:W5 S plan covers retirees	Categ
6	S6COVRT	S6COVRT:W6 S plan covers retirees	Categ
7	S7COVRT	S7COVRT:W7 S plan covers retirees	Categ
8	S8COVRT	S8COVRT:W8 S plan covers retirees	Categ
9	S9COVRT	S9COVRT:W9 S plan covers retirees	Categ
10	S10COVRT	S10COVRT:W10 S plan covers retirees	Categ
11	S11COVRT	S11COVRT:W11 S plan covers retirees	Categ
12	S12COVRT	S12COVRT:W12 S plan covers retirees	Categ
13	S13COVRT	S13COVRT:W13 S plan covers retirees	Categ
14	S14COVRT	S14COVRT:W14 S plan covers retirees	Categ
15	S15COVRT	S15COVRT:W15 S plan covers retirees	Categ
16	S16COVRT	S16COVRT:W16 S plan covers retirees	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1COVRT	5072	0.77	0.42	0.0	1.0
R2COVRT	4854	0.70	0.46	0.0	1.0
R3COVRT	3683	0.65	0.48	0.0	1.0
R4COVRT	4224	0.63	0.48	0.0	1.0
R5COVRT	3737	0.64	0.48	0.0	1.0
R6COVRT	3037	0.67	0.47	0.0	1.0
R7COVRT	3739	0.60	0.49	0.0	1.0
R8COVRT	2885	0.61	0.49	0.0	1.0
R9COVRT	2385	0.60	0.49	0.0	1.0
R10COVRT	4076	0.49	0.50	0.0	1.0
R11COVRT	3545	0.48	0.50	0.0	1.0
R12COVRT	2944	0.50	0.50	0.0	1.0
R13COVRT	3797	0.42	0.49	0.0	1.0
R14COVRT	2878	0.43	0.49	0.0	1.0
R15COVRT	2290	0.43	0.50	0.0	1.0
R16COVRT	2290	0.42	0.49	0.0	1.0
S1COVRT	4089	0.78	0.42	0.0	1.0
S2COVRT	3840	0.72	0.45	0.0	1.0
S3COVRT	2747	0.65	0.48	0.0	1.0

S4COVRT	3136	0.63	0.48	0.0	1.0
S5COVRT	2812	0.65	0.48	0.0	1.0
S6COVRT	2268	0.67	0.47	0.0	1.0
S7COVRT	2737	0.60	0.49	0.0	1.0
S8COVRT	2113	0.62	0.49	0.0	1.0
S9COVRT	1741	0.60	0.49	0.0	1.0
S10COVRT	2730	0.49	0.50	0.0	1.0
S11COVRT	2381	0.47	0.50	0.0	1.0
S12COVRT	1951	0.48	0.50	0.0	1.0
S13COVRT	2395	0.42	0.49	0.0	1.0
S14COVRT	1735	0.41	0.49	0.0	1.0
S15COVRT	1363	0.42	0.49	0.0	1.0
S16COVRT	1239	0.42	0.49	0.0	1.0

Categorical Variable Codes

RwCOVRT: R plan covers retirees

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Already 65+			437	2246	2321	2633	2556	2428	2237	2045
.D=DK		152	215	282	317	255	286	277	176	291
.H=Missing whether covrd	90	79	515	697	132	206	198	168	168	553
.J=Web interview, missing										
.M=Oth missing	862	9	111	130	13	215	275	197	138	234
.N=No plan	6628	6323	5639	13378	12738	11786	13048	12493	12096	14809
.Q=Not asked this wv		8222	7027							
.R=RF		3	2	1		2	1			1
.S=Skip, not cur/prv emp pl			362	426	320	31	26	21	17	25
0.No	1150	1453	1301	1572	1352	999	1489	1114	953	2079
1.Yes	3922	3401	2382	2652	2385	2038	2250	1771	1432	1997

Value	w11	w12	w13	w14	w15	w16
.A=Already 65+	1846	1702	1396	1185	1189	1128
.D=DK	160	133	172	103	101	117
.H=Missing whether covrd	305	339	416	373	898	552
.J=Web interview, missing				19	16	11
.M=Oth missing	207	151	197	118	93	83
.N=No plan	14472	13461	14899	12456	11129	11603
.Q=Not asked this wv						
.R=RF	1			2	3	1
.S=Skip, not cur/prv emp pl	18	17	35	12	4	2
0.No	1855	1480	2202	1651	1307	1328
1.Yes	1690	1464	1595	1227	983	962

SwCOVRT: S plan covers retirees

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Already 65+			386	1504	1528	1709	1648	1526	1386	1278
.D=DK		100	151	208	232	195	205	222	125	194
.H=Missing whether covrd	10	54	493	660	93	151	113	106	120	378
.J=Web interview, missing										
.M=Oth missing	668	6	73	98	9	174	218	162	108	178
.N=No plan	5529	4829	4166	8045	7803	7120	8036	7590	7154	8740
.Q=Not asked this wv		4549	3704							
.R=RF		1	2	1		2				
.S=Skip, not cur/prv emp pl			290	328	253	20	15	16	12	15
.U=Unmarried	2356	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		295	322	536	311	220	380	317	365	724
0.No	911	1063	960	1154	994	742	1100	810	693	1400
1.Yes	3178	2777	1787	1982	1818	1526	1637	1303	1048	1330

Value	w11	w12	w13	w14	w15	w16
.A=Already 65+	1151	1001	821	666	657	591
.D=DK	115	84	98	57	54	65
.H=Missing whether covrd	224	264	279	291	426	284
.J=Web interview, missing				18	14	4
.M=Oth missing	157	115	117	67	51	45
.N=No plan	8445	7588	8047	6514	5907	5612
.Q=Not asked this wv						
.R=RF				1	2	
.S=Skip, not cur/prv emp pl	11	9	22	9	3	
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	1261	1014	1391	1015	788	715
1.Yes	1120	937	1004	720	575	524

How Constructed

RwCOVRT indicates whether the Respondent's employer-provided health insurance covers retirees. In Waves 1 and 2H, this is taken from a direct question that asks whether a plan covers retirees. In Wave 3H and from Wave 4 forward, it is taken from a question that asks about coverage up to age 65.

SwCOVRT indicates whether health insurance from the employer of the Respondent's spouse or partner covers retirees.

The number of insurance plans about which information is gathered varies across waves. In Wave 1, a question asks if the plan covers retirees, for each plan. If any plan provided by the Respondent's current or previous employer, or union covers retirees, then RwCOVRT is set to "yes." If no plan is provided by the Respondent's employer or union, then RwCOVRT is set to .N, no plan.

In Wave 2H, if the Respondent indicates that they are still covered by their own employer-provided health plan reported in Wave 1, the Wave 1 information is assumed to be correct for Wave 2H as well, i.e., R2COVRT is set to R1COVRT. If Wave 2H employer-provided health insurance is not a continuation of the preloaded Wave 1 coverage, the Wave 2H question about whether the plan covers retirees is used to set RwCOVRT. If any plan from the Respondent's current or previous employer, or union covers retirees, then RwCOVRT is set to "yes." If no plan is provided by the Respondent's employer or union, then RwCOVRT is set to .N, no plan.

In Wave 3H and from Wave 4 forward, this question is no longer asked. Another question asks if the plan would cover the Respondent up to age 65. Since this seems to be asking about insurance coverage of early retirees, this question was used for the RwCOVRT variables in Wave 3H and from Wave 4 forward. If coverage can continue to age 65, then RwCOVRT is set to yes. If the Respondent is already 65 then RwCOVRT is set to .A - already 65, and if the plan(s) are not from the Respondent's current or previous employer, RwCOVRT is set to .S - question skipped. Note that if the source of insurance is the Respondent's union or through

self-employment, these questions are not asked, so RwCOVRT is set to .S. If the Respondent does not report being covered by the Respondent's employer, then RwCOVRT is set to .N - no plan.

In all waves, if missing whether the Respondent is covered, then RwCOVRT is set to .H, missing whether covered by employer-provided insurance. If the question was asked or should have been asked, and the answer is missing then RwCOVRT is set to .D for don't know, .R for refused, and .M for all other missing answers.

In Waves 2A and 3A, this question is not asked. In Wave 3A, special missing values are set for no insurance (.N), if the Respondent is older than 65 (.A), and if RwCOVR is missing (.H). For all other situations, and for everyone in Wave 2A, RwCOVRT is set to .Q to indicate that no information is available this wave.

SwCOVRT for Wave 1 is taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then S1COVRT is the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then S1COVRT is the Financial Respondent's information.

From Wave 2 on, this information is taken from the spouse's self-reported RwCOVRT variable, if available. If the Respondent is not married, SwCOVRT is set to .U=unmarried. If the Respondent's spouse did not respond then SwCOVRT is set to .V=Spouse is non-response.

Please see "Plan specific employer-provided health insurance: Coverage in retirement" for information on individual plans reported. These more detailed variables also provide information as to whether the coverage extends to those over 65 in the waves when this information is available.

Cross Wave Differences in Original HRS Data

In Wave 1, the health insurance questions are asked only of the Financial Respondent, about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only.

In Wave 1 a question asks if the plan covers retirees, for each plan (up to 4 between Respondent and spouse).

In Wave 2H, if preloaded information indicates the Respondent was covered by any employer-provided health insurance in Wave 1, the Respondent is asked if this coverage continues. If so then no question about whether the plan covers retirees is asked. If not, or if not covered in Wave 1, current employer provided health insurance plans are asked about (up to 2). A question asks if the plan covers retirees for each plan.

In Waves 3H, and 4 forward, the question about whether a plan covers retirees is no longer asked. Other questions ask if the plan would cover the Respondent up to age 65 if they left the job before age 65 (if from current employer), or if the plan could be continued to age 65 (if from previous employer). This question is skipped if the Respondent is already 65, or if the employer-provided health plan is not from either the Respondent's current or previous employer (e.g., it is NOT asked if the plan source is a union, spouse's employer, or through the Respondent's self-employment). From Wave 6 forward this question is asked for up to three plans.

In Waves 2A and 3A, no question about retiree coverage or coverage before age 65 is asked.

In some waves, if health insurance extends to age 65, a follow-up question asks if those over 65 may also be covered. The RwCOVRT variables do not provide any information from these follow-up questions. Please see "Plan specific employer-provided health insurance: Coverage in retirement" for information on individual plans reported. These more detailed variables also provide information as to whether the coverage extends to those over 65 in the waves when this information is available.

In Waves 13 forward, if the Respondent indicates that they are still covered by their own health plan reported in the preloaded health plan information and a plan source is indicated, then the coverage in retirement questions are not asked and the value for RwCOVRT is carried forward from the last completed Core Interview.

HRS Variables Used

```
HRS 1992:
    V6614           R3:R1EMPLR HLTH INS PLAN
    V6615           R3A:R1EMP:#PLANS HAVE
    V6616           R4:R1EMP:#1:HOW OBTAINED
    V6618           R7:R1#1:AVAIL FOR RTIREE
    V6624           R4:R1EMP:#2:HOW OBTAINED
    V6626           R7:R1#2:AVAIL FOR RTIREE
    V6813           R25:R2HAS OTHR EMP INS
    V6814           R26:R2EMPLR HLTH INS PLN
    V6815           R26A:R2EMP:#PLANS HAVE
    V6816           R27:R2EMP:#1:HOW OBTAIND
    V6818           R30:R2#1:AVAIL FR RTIREE
    V6824           R27:R2EMP:#2:HOW OBTAIND
    V6826           R30:R2#2:AVAIL FR RTIREE
HRS 1994:
    W6705           R2-1.COVERED BY SAME POL
    W6706           R2a-1.WHO PROVIDED HEALT
    W6707           R2b-1.STILL COVERED BY W
    W6708           R2-2a.STILL COVERED BY S
    W6709           R2-2b.STILL COVERED BY S
    W6724           R4.CURRENT HEALTH INS FR
    W6726           P1. R5.HOW OBTAINED
    W6734           P1. R8.AVAILABLE FOR RET
    W6740           P2. R5.HOW OBTAINED
    W6748           P2. R8.AVAILABLE FOR RET
HRS 1996:
    E5158           R12X.SELF-EMP INSURANCE
    E5160           R13.ANY EMPLR INSURANCE FOR HOSP/DR BILL
    E5163_1         R15.HOW OBTAIN INSURANCE
    E5163_2         R15.HOW OBTAIN INSURANCE
    E5191_1         R34.COVERAGE CONTINUE TO 65
    E5191_2         R34.COVERAGE CONTINUE TO 65
    E5194_1         R35.COVERAGE TO 65 IF LEFT NOW
    E5194_2         R35.COVERAGE TO 65 IF LEFT NOW
HRS 1998:
    F5891           R12X.SELF-EMP INSURANCE
    F5893           R13.ANY INSURANCE FOR HOSP/DR BILLS
    F5896           R15.HOW OBTAIN INSURANCE
    F5924           R34.COVERAGE CONTINUE TO 65
    F5927           R35.COVERAGE TO 65 IF LEFT NOW
HRS 2000:
    G6264           R12AA.SELF-EMP INSURANCE
    G6266           R13.ANY INSURANCE THRU AN EMPLOYER
    G6269           R15.HOW OBTAIN INSURANCE
    G6297           R34.COVERAGE CONTINUE TO 65
    G6302           R35.COVERAGE TO 65 IF LEFT NOW
HRS 2002-2022:
    xN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    xN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    xN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    xN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    xN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    xN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    xN059_1         EMPLOYER RETIREE COVERAGE UP TO 65- 1
    xN059_2         EMPLOYER RETIREE COVERAGE UP TO 65- 2
    xN059_3         EMPLOYER RETIREE COVERAGE UP TO 65- 3
Tracker:
    AFINR               WHETHER FINANCIAL RESPONDENT
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Number of employer-provided/private health insurance plans

Wave	Variable	Label	Type
1	R1HENUM	R1HENUM:W1 Number of health insurance plans	Cont
2	R2HENUM	R2HENUM:W2 Number of health insurance plans	Cont
3	R3HENUM	R3HENUM:W3 Number of health insurance plans	Cont
4	R4HENUM	R4HENUM:W4 Number of health insurance plans	Cont
5	R5HENUM	R5HENUM:W5 Number of health insurance plans	Cont
6	R6HENUM	R6HENUM:W6 Number of health insurance plans	Cont
7	R7HENUM	R7HENUM:W7 Number of health insurance plans	Cont
8	R8HENUM	R8HENUM:W8 Number of health insurance plans	Cont
9	R9HENUM	R9HENUM:W9 Number of health insurance plans	Cont
10	R10HENUM	R10HENUM:W10 Number of health insurance plans	Cont
11	R11HENUM	R11HENUM:W11 Number of health insurance plans	Cont
12	R12HENUM	R12HENUM:W12 Number of health insurance plans	Cont
13	R13HENUM	R13HENUM:W13 Number of health insurance plans	Cont
14	R14HENUM	R14HENUM:W14 Number of health insurance plans	Cont
15	R15HENUM	R15HENUM:W15 Number of health insurance plans	Cont
16	R16HENUM	R16HENUM:W16 Number of health insurance plans	Cont
1	S1HENUM	S1HENUM:W1 Number of health insurance plans	Cont
2	S2HENUM	S2HENUM:W2 Number of health insurance plans	Cont
3	S3HENUM	S3HENUM:W3 Number of health insurance plans	Cont
4	S4HENUM	S4HENUM:W4 Number of health insurance plans	Cont
5	S5HENUM	S5HENUM:W5 Number of health insurance plans	Cont
6	S6HENUM	S6HENUM:W6 Number of health insurance plans	Cont
7	S7HENUM	S7HENUM:W7 Number of health insurance plans	Cont
8	S8HENUM	S8HENUM:W8 Number of health insurance plans	Cont
9	S9HENUM	S9HENUM:W9 Number of health insurance plans	Cont
10	S10HENUM	S10HENUM:W10 Number of health insurance plans	Cont
11	S11HENUM	S11HENUM:W11 Number of health insurance plans	Cont
12	S12HENUM	S12HENUM:W12 Number of health insurance plans	Cont
13	S13HENUM	S13HENUM:W13 Number of health insurance plans	Cont
14	S14HENUM	S14HENUM:W14 Number of health insurance plans	Cont
15	S15HENUM	S15HENUM:W15 Number of health insurance plans	Cont
16	S16HENUM	S16HENUM:W16 Number of health insurance plans	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HENUM	12497	0.77	0.58	0.0	4.0
R2HENUM	4762	0.31	0.52	0.0	4.0
R3HENUM	17838	0.69	0.58	0.0	6.0
R4HENUM	20871	0.54	0.59	0.0	6.0
R5HENUM	19162	0.54	0.58	0.0	7.0
R6HENUM	18042	0.74	0.56	0.0	11.0
R7HENUM	20018	0.73	0.62	0.0	23.0
R8HENUM	18373	0.67	0.57	0.0	12.0
R9HENUM	17099	0.62	0.61	0.0	13.0
R10HENUM	21599	0.61	0.60	0.0	12.0
R11HENUM	20339	0.57	0.59	0.0	11.0
R12HENUM	18512	0.57	0.65	0.0	21.0
R13HENUM	20592	0.56	0.61	0.0	11.0
R14HENUM	16860	0.53	0.62	0.0	22.0
R15HENUM	15328	0.51	0.60	0.0	7.0
R16HENUM	15397	0.49	0.61	0.0	7.0
S1HENUM	10124	0.82	0.58	0.0	4.0
S2HENUM	3330	0.36	0.54	0.0	4.0
S3HENUM	11859	0.75	0.58	0.0	6.0

S4HENUM	13634	0.64	0.60	0.0	6.0
S5HENUM	12440	0.64	0.59	0.0	4.0
S6HENUM	11583	0.81	0.54	0.0	5.0
S7HENUM	12929	0.80	0.60	0.0	23.0
S8HENUM	11693	0.74	0.56	0.0	12.0
S9HENUM	10595	0.70	0.61	0.0	13.0
S10HENUM	13301	0.67	0.59	0.0	12.0
S11HENUM	12398	0.63	0.59	0.0	11.0
S12HENUM	10904	0.64	0.65	0.0	21.0
S13HENUM	11651	0.62	0.61	0.0	11.0
S14HENUM	9225	0.58	0.59	0.0	5.0
S15HENUM	8308	0.56	0.61	0.0	7.0
S16HENUM	7712	0.55	0.61	0.0	5.0

General Comments

Private health insurance plans encompass all plans purchased on the private market, including coverage purchased through an employer, the individual insurance marketplaces, a union, or a trade association. Previous versions of the RAND HRS Longitudinal File have included variables that describe private plans solely provided by current or former employers, and these variables are still provided for continuity purposes. RwPRPCNT is similar, but not identical, to RwHENUM. For Waves 1-5, RwHENUM is a count of employer-provided health insurance plans only, whereas RwPRPCNT is a count of all private health insurance plans, except long-term care insurance. From Wave 6 forward, RwPRPCNT and RwHENUM are the same, and both are a count of all private health insurance plans, except long-term care insurance. Please see the Number of private health insurance plans section for a full description of RwPRPCNT.

How Constructed

RwHENUM is a count of the number of employer-provided/private health insurance plans the Respondent reports. This is taken from a direct question that asks, "How many plans do you have?"

For Waves 1-5, RwHENUM includes employer-provided health insurance plans only.

From Wave 6 forward, the RwHENUM includes all private health insurance plans.

In Wave 2H, if preloaded information indicates the Respondent was covered by any employer-provided health insurance in Wave 1 and the Respondent confirms this, the number of plans is not asked. In these cases the Respondent may confirm coverage from only one Wave 1 plan, so R2HENUM is set to .P = Covered in wave 1. It is unclear whether or not the Respondent has the same number of plans in Wave 2 as were reported in R1HENUM.

SwHENUM is a count of the number of health insurance plans the Respondent's spouse reports.

SwHENUM for Wave 1 is taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then S1HENUM is the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then S1HENUM is the Financial Respondent's information.

From Wave 2 on, this information is taken from the spouse's self-reported RwHENUM variable, if available. If the Respondent is not married, SwHENUM is set to .U=unmarried. If the Respondent's spouse did not respond, then SwHENUM is set to .V=Spouse is non-response.

Cross Wave Differences in Original HRS Data

In Wave 1, the health insurance questions are asked only of the Financial Respondent about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only.

In Wave 1, a question asks how many plans does Respondent have.

In Wave 2H, if preloaded information indicates Respondent was covered by any employer-provided health insurance in Wave 1, the number of plans is not asked. If Respondent is not covered in Wave 1 but is in Wave 2H, then Respondent is asked how many plans they have.

This question is not asked in Wave 2A and R2HENUM is set to .Q for AHEAD Respondents.

From Wave 3 forward, Respondent is asked how many plans they have.

HRS Variables Used

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HRS 1992:
    VP6614          R3:EMPLR HLTH INS PLAN/ Sp-Prtnr
    VP6615          R3A:EMP:#PLANS HAVE/ Sp-Prtnr
    VR6614          R3:EMPLR HLTH INS PLAN/ Self
    VR6615          R3A:EMP:#PLANS HAVE/ Self
HRS 1994:
    W6705           R2-1.COVERED BY SAME POL
    W6707           R2b-1.STILL COVERED BY W
    W6708           R2-2a.STILL COVERED BY S
    W6709           R2-2b.STILL COVERED BY S
    W6724           R4.CURRENT HEALTH INS FR
    W6725           R4a.# HEALTH INS PLANS F
AHEAD 1995:
    D5215           R9A.# OTHER HEALTH INS
HRS 1996:
    E5161           R14.NUMBER OF EMPLOYER PROVIDED PLANS
HRS 1998:
    F5894           R14.NUMBER OF PLANS
HRS 2000:
    G6267           R14.NUMBER OF PLANS
HRS 2002-2022:
    xN023           NUM PRIVATE HEALTH INS PLANS
Tracker:
    AFINR               WHETHER FINANCIAL RESPONDENT
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Plan-specific employer-provided health insurance: Source of insurance and who is covered

Wave	Variable	Label	Type
1	R1HESRC1	R1HESRC1:W1 Source of R empl plan #1	Categ
2	R2HESRC1	R2HESRC1:W2 Source of R empl plan #1	Categ
3	R3HESRC1	R3HESRC1:W3 Source of R empl plan #1	Categ
4	R4HESRC1	R4HESRC1:W4 Source of R empl plan #1	Categ
5	R5HESRC1	R5HESRC1:W5 Source of R empl plan #1	Categ
6	R6HESRC1	R6HESRC1:W6 Source of R empl plan #1	Categ
7	R7HESRC1	R7HESRC1:W7 Source of R empl plan #1	Categ
8	R8HESRC1	R8HESRC1:W8 Source of R empl plan #1	Categ
9	R9HESRC1	R9HESRC1:W9 Source of R empl plan #1	Categ
10	R10HESRC1	R10HESRC1:W10 Source of R empl plan #1	Categ
11	R11HESRC1	R11HESRC1:W11 Source of R empl plan #1	Categ
12	R12HESRC1	R12HESRC1:W12 Source of R empl plan #1	Categ
13	R13HESRC1	R13HESRC1:W13 Source of R empl plan #1	Categ
14	R14HESRC1	R14HESRC1:W14 Source of R empl plan #1	Categ
15	R15HESRC1	R15HESRC1:W15 Source of R empl plan #1	Categ
16	R16HESRC1	R16HESRC1:W16 Source of R empl plan #1	Categ
1	S1HESRC1	S1HESRC1:W1 Source of Sp empl plan #1	Categ
2	S2HESRC1	S2HESRC1:W2 Source of Sp empl plan #1	Categ
3	S3HESRC1	S3HESRC1:W3 Source of Sp empl plan #1	Categ
4	S4HESRC1	S4HESRC1:W4 Source of Sp empl plan #1	Categ
5	S5HESRC1	S5HESRC1:W5 Source of Sp empl plan #1	Categ
6	S6HESRC1	S6HESRC1:W6 Source of Sp empl plan #1	Categ
7	S7HESRC1	S7HESRC1:W7 Source of Sp empl plan #1	Categ
8	S8HESRC1	S8HESRC1:W8 Source of Sp empl plan #1	Categ
9	S9HESRC1	S9HESRC1:W9 Source of Sp empl plan #1	Categ
10	S10HESRC1	S10HESRC1:W10 Source of Sp empl plan #1	Categ
11	S11HESRC1	S11HESRC1:W11 Source of Sp empl plan #1	Categ
12	S12HESRC1	S12HESRC1:W12 Source of Sp empl plan #1	Categ
13	S13HESRC1	S13HESRC1:W13 Source of Sp empl plan #1	Categ
14	S14HESRC1	S14HESRC1:W14 Source of Sp empl plan #1	Categ
15	S15HESRC1	S15HESRC1:W15 Source of Sp empl plan #1	Categ
16	S16HESRC1	S16HESRC1:W16 Source of Sp empl plan #1	Categ
1	R1HESRC2	R1HESRC2:W1 Source of R empl plan #2	Categ
2	R2HESRC2	R2HESRC2:W2 Source of R empl plan #2	Categ
3	R3HESRC2	R3HESRC2:W3 Source of R empl plan #2	Categ
6	R6HESRC2	R6HESRC2:W6 Source of R empl plan #2	Categ
7	R7HESRC2	R7HESRC2:W7 Source of R empl plan #2	Categ
8	R8HESRC2	R8HESRC2:W8 Source of R empl plan #2	Categ
9	R9HESRC2	R9HESRC2:W9 Source of R empl plan #2	Categ
10	R10HESRC2	R10HESRC2:W10 Source of R empl plan #2	Categ
11	R11HESRC2	R11HESRC2:W11 Source of R empl plan #2	Categ
12	R12HESRC2	R12HESRC2:W12 Source of R empl plan #2	Categ
13	R13HESRC2	R13HESRC2:W13 Source of R empl plan #2	Categ
14	R14HESRC2	R14HESRC2:W14 Source of R empl plan #2	Categ
15	R15HESRC2	R15HESRC2:W15 Source of R empl plan #2	Categ
16	R16HESRC2	R16HESRC2:W16 Source of R empl plan #2	Categ
1	S1HESRC2	S1HESRC2:W1 Source of Sp empl plan #2	Categ
2	S2HESRC2	S2HESRC2:W2 Source of Sp empl plan #2	Categ
3	S3HESRC2	S3HESRC2:W3 Source of Sp empl plan #2	Categ
6	S6HESRC2	S6HESRC2:W6 Source of Sp empl plan #2	Categ
7	S7HESRC2	S7HESRC2:W7 Source of Sp empl plan #2	Categ
8	S8HESRC2	S8HESRC2:W8 Source of Sp empl plan #2	Categ
9	S9HESRC2	S9HESRC2:W9 Source of Sp empl plan #2	Categ
10	S10HESRC2	S10HESRC2:W10 Source of Sp empl plan #2	Categ
11	S11HESRC2	S11HESRC2:W11 Source of Sp empl plan #2	Categ
12	S12HESRC2	S12HESRC2:W12 Source of Sp empl plan #2	Categ
13	S13HESRC2	S13HESRC2:W13 Source of Sp empl plan #2	Categ
14	S14HESRC2	S14HESRC2:W14 Source of Sp empl plan #2	Categ
15	S15HESRC2	S15HESRC2:W15 Source of Sp empl plan #2	Categ
16	S16HESRC2	S16HESRC2:W16 Source of Sp empl plan #2	Categ
6	R6HESRC3	R6HESRC3:W6 Source of R empl plan #3	Categ
7	R7HESRC3	R7HESRC3:W7 Source of R empl plan #3	Categ

8	R8HESRC3	R8HESRC3:W8 Source of R empl plan #3	Categ
9	R9HESRC3	R9HESRC3:W9 Source of R empl plan #3	Categ
10	R10HESRC3	R10HESRC3:W10 Source of R empl plan #3	Categ
11	R11HESRC3	R11HESRC3:W11 Source of R empl plan #3	Categ
12	R12HESRC3	R12HESRC3:W12 Source of R empl plan #3	Categ
13	R13HESRC3	R13HESRC3:W13 Source of R empl plan #3	Categ
14	R14HESRC3	R14HESRC3:W14 Source of R empl plan #3	Categ
15	R15HESRC3	R15HESRC3:W15 Source of R empl plan #3	Categ
16	R16HESRC3	R16HESRC3:W16 Source of R empl plan #3	Categ
6	S6HESRC3	S6HESRC3:W6 Source of Sp empl plan #3	Categ
7	S7HESRC3	S7HESRC3:W7 Source of Sp empl plan #3	Categ
8	S8HESRC3	S8HESRC3:W8 Source of Sp empl plan #3	Categ
9	S9HESRC3	S9HESRC3:W9 Source of Sp empl plan #3	Categ
10	S10HESRC3	S10HESRC3:W10 Source of Sp empl plan #3	Categ
11	S11HESRC3	S11HESRC3:W11 Source of Sp empl plan #3	Categ
12	S12HESRC3	S12HESRC3:W12 Source of Sp empl plan #3	Categ
13	S13HESRC3	S13HESRC3:W13 Source of Sp empl plan #3	Categ
14	S14HESRC3	S14HESRC3:W14 Source of Sp empl plan #3	Categ
15	S15HESRC3	S15HESRC3:W15 Source of Sp empl plan #3	Categ
16	S16HESRC3	S16HESRC3:W16 Source of Sp empl plan #3	Categ
1	R1HECOV1	R1HECOV1:W1 Who is covered in R empl plan #1	Categ
2	R2HECOV1	R2HECOV1:W2 Who is covered in R empl plan #1	Categ
3	R3HECOV1	R3HECOV1:W3 Who is covered in R empl plan #1	Categ
4	R4HECOV1	R4HECOV1:W4 Who is covered in R empl plan #1	Categ
5	R5HECOV1	R5HECOV1:W5 Who is covered in R empl plan #1	Categ
6	R6HECOV1	R6HECOV1:W6 Who is covered in R empl plan #1	Categ
7	R7HECOV1	R7HECOV1:W7 Who is covered in R empl plan #1	Categ
8	R8HECOV1	R8HECOV1:W8 Who is covered in R empl plan #1	Categ
9	R9HECOV1	R9HECOV1:W9 Who is covered in R empl plan #1	Categ
10	R10HECOV1	R10HECOV1:W10 Who is covered in R empl plan #1	Categ
11	R11HECOV1	R11HECOV1:W11 Who is covered in R empl plan #1	Categ
12	R12HECOV1	R12HECOV1:W12 Who is covered in R empl plan #1	Categ
13	R13HECOV1	R13HECOV1:W13 Who is covered in R empl plan #1	Categ
14	R14HECOV1	R14HECOV1:W14 Who is covered in R empl plan #1	Categ
15	R15HECOV1	R15HECOV1:W15 Who is covered in R empl plan #1	Categ
16	R16HECOV1	R16HECOV1:W16 Who is covered in R empl plan #1	Categ
1	S1HECOV1	S1HECOV1:W1 Who is covered in Sp empl plan #1	Categ
2	S2HECOV1	S2HECOV1:W2 Who is covered in Sp empl plan #1	Categ
3	S3HECOV1	S3HECOV1:W3 Who is covered in Sp empl plan #1	Categ
4	S4HECOV1	S4HECOV1:W4 Who is covered in Sp empl plan #1	Categ
5	S5HECOV1	S5HECOV1:W5 Who is covered in Sp empl plan #1	Categ
6	S6HECOV1	S6HECOV1:W6 Who is covered in Sp empl plan #1	Categ
7	S7HECOV1	S7HECOV1:W7 Who is covered in Sp empl plan #1	Categ
8	S8HECOV1	S8HECOV1:W8 Who is covered in Sp empl plan #1	Categ
9	S9HECOV1	S9HECOV1:W9 Who is covered in Sp empl plan #1	Categ
10	S10HECOV1	S10HECOV1:W10 Who is covered in Sp empl plan #1	Categ
11	S11HECOV1	S11HECOV1:W11 Who is covered in Sp empl plan #1	Categ
12	S12HECOV1	S12HECOV1:W12 Who is covered in Sp empl plan #1	Categ
13	S13HECOV1	S13HECOV1:W13 Who is covered in Sp empl plan #1	Categ
14	S14HECOV1	S14HECOV1:W14 Who is covered in Sp empl plan #1	Categ
15	S15HECOV1	S15HECOV1:W15 Who is covered in Sp empl plan #1	Categ
16	S16HECOV1	S16HECOV1:W16 Who is covered in Sp empl plan #1	Categ
1	R1HECOV2	R1HECOV2:W1 Who is covered in R empl plan #2	Categ
2	R2HECOV2	R2HECOV2:W2 Who is covered in R empl plan #2	Categ
3	R3HECOV2	R3HECOV2:W3 Who is covered in R empl plan #2	Categ
6	R6HECOV2	R6HECOV2:W6 Who is covered in R empl plan #2	Categ
7	R7HECOV2	R7HECOV2:W7 Who is covered in R empl plan #2	Categ
8	R8HECOV2	R8HECOV2:W8 Who is covered in R empl plan #2	Categ
9	R9HECOV2	R9HECOV2:W9 Who is covered in R empl plan #2	Categ
10	R10HECOV2	R10HECOV2:W10 Who is covered in R empl plan #2	Categ
11	R11HECOV2	R11HECOV2:W11 Who is covered in R empl plan #2	Categ
12	R12HECOV2	R12HECOV2:W12 Who is covered in R empl plan #2	Categ
13	R13HECOV2	R13HECOV2:W13 Who is covered in R empl plan #2	Categ
14	R14HECOV2	R14HECOV2:W14 Who is covered in R empl plan #2	Categ
15	R15HECOV2	R15HECOV2:W15 Who is covered in R empl plan #2	Categ
16	R16HECOV2	R16HECOV2:W16 Who is covered in R empl plan #2	Categ
1	S1HECOV2	S1HECOV2:W1 Who is covered in Sp empl plan #2	Categ

2	S2HECOV2	S2HECOV2:W2 Who is covered in Sp empl plan #2	Categ
3	S3HECOV2	S3HECOV2:W3 Who is covered in Sp empl plan #2	Categ
6	S6HECOV2	S6HECOV2:W6 Who is covered in Sp empl plan #2	Categ
7	S7HECOV2	S7HECOV2:W7 Who is covered in Sp empl plan #2	Categ
8	S8HECOV2	S8HECOV2:W8 Who is covered in Sp empl plan #2	Categ
9	S9HECOV2	S9HECOV2:W9 Who is covered in Sp empl plan #2	Categ
10	S10HECOV2	S10HECOV2:W10 Who is covered in Sp empl plan #2	Categ
11	S11HECOV2	S11HECOV2:W11 Who is covered in Sp empl plan #2	Categ
12	S12HECOV2	S12HECOV2:W12 Who is covered in Sp empl plan #2	Categ
13	S13HECOV2	S13HECOV2:W13 Who is covered in Sp empl plan #2	Categ
14	S14HECOV2	S14HECOV2:W14 Who is covered in Sp empl plan #2	Categ
15	S15HECOV2	S15HECOV2:W15 Who is covered in Sp empl plan #2	Categ
16	S16HECOV2	S16HECOV2:W16 Who is covered in Sp empl plan #2	Categ
6	R6HECOV3	R6HECOV3:W6 Who is covered in R empl plan #3	Categ
7	R7HECOV3	R7HECOV3:W7 Who is covered in R empl plan #3	Categ
8	R8HECOV3	R8HECOV3:W8 Who is covered in R empl plan #3	Categ
9	R9HECOV3	R9HECOV3:W9 Who is covered in R empl plan #3	Categ
10	R10HECOV3	R10HECOV3:W10 Who is covered in R empl plan #3	Categ
11	R11HECOV3	R11HECOV3:W11 Who is covered in R empl plan #3	Categ
12	R12HECOV3	R12HECOV3:W12 Who is covered in R empl plan #3	Categ
13	R13HECOV3	R13HECOV3:W13 Who is covered in R empl plan #3	Categ
14	R14HECOV3	R14HECOV3:W14 Who is covered in R empl plan #3	Categ
15	R15HECOV3	R15HECOV3:W15 Who is covered in R empl plan #3	Categ
16	R16HECOV3	R16HECOV3:W16 Who is covered in R empl plan #3	Categ
6	S6HECOV3	S6HECOV3:W6 Who is covered in Sp empl plan #3	Categ
7	S7HECOV3	S7HECOV3:W7 Who is covered in Sp empl plan #3	Categ
8	S8HECOV3	S8HECOV3:W8 Who is covered in Sp empl plan #3	Categ
9	S9HECOV3	S9HECOV3:W9 Who is covered in Sp empl plan #3	Categ
10	S10HECOV3	S10HECOV3:W10 Who is covered in Sp empl plan #3	Categ
11	S11HECOV3	S11HECOV3:W11 Who is covered in Sp empl plan #3	Categ
12	S12HECOV3	S12HECOV3:W12 Who is covered in Sp empl plan #3	Categ
13	S13HECOV3	S13HECOV3:W13 Who is covered in Sp empl plan #3	Categ
14	S14HECOV3	S14HECOV3:W14 Who is covered in Sp empl plan #3	Categ
15	S15HECOV3	S15HECOV3:W15 Who is covered in Sp empl plan #3	Categ
16	S16HECOV3	S16HECOV3:W16 Who is covered in Sp empl plan #3	Categ
E	REHESRC1	REHESRC1:EXIT Source of R empl plan #1	Categ
E	REHESRC2	REHESRC2:EXIT Source of R empl plan #2	Categ
E	REHESRC3	REHESRC3:EXIT Source of R empl plan #3	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HESRC1	12462	1.87	2.27	0.0	6.0
R2HESRC1	11294	0.95	0.75	0.0	2.0
R3HESRC1	16090	0.67	0.73	0.0	2.0
R4HESRC1	20687	0.64	0.72	0.0	2.0
R5HESRC1	19468	0.67	0.74	0.0	2.0
R6HESRC1	17964	0.68	0.79	0.0	3.0
R7HESRC1	19934	0.68	0.79	0.0	3.0
R8HESRC1	18316	0.65	0.80	0.0	3.0
R9HESRC1	17049	0.59	0.78	0.0	3.0
R10HESRC1	21480	0.59	0.76	0.0	3.0
R11HESRC1	20250	0.55	0.75	0.0	3.0
R12HESRC1	18403	0.51	0.74	0.0	3.0
R13HESRC1	20259	0.55	0.85	0.0	3.0
R14HESRC1	16750	0.50	0.83	0.0	3.0
R15HESRC1	15165	0.48	0.82	0.0	3.0
R16HESRC1	15272	0.46	0.80	0.0	3.0
S1HESRC1	10166	0.78	0.93	0.0	2.0
S2HESRC1	8708	1.17	0.81	0.0	2.0

S3HESRC1	10753	0.98	0.90	0.0	2.0
S4HESRC1	13450	0.97	0.90	0.0	2.0
S5HESRC1	12685	0.97	0.89	0.0	2.0
S6HESRC1	11548	0.96	0.89	0.0	3.0
S7HESRC1	12904	0.95	0.89	0.0	3.0
S8HESRC1	11678	0.88	0.89	0.0	3.0
S9HESRC1	10576	0.81	0.88	0.0	2.0
S10HESRC1	13250	0.83	0.89	0.0	2.0
S11HESRC1	12357	0.78	0.89	0.0	3.0
S12HESRC1	10855	0.73	0.88	0.0	2.0
S13HESRC1	11470	0.89	1.08	0.0	3.0
S14HESRC1	9178	0.85	1.09	0.0	3.0
S15HESRC1	8220	0.80	1.08	0.0	3.0
S16HESRC1	7665	0.79	1.08	0.0	3.0
R1HESRC2	7177	0.33	1.21	0.0	6.0
R2HESRC2	3483	0.05	0.28	0.0	2.0
R3HESRC2	7254	0.16	0.49	0.0	2.0
R6HESRC2	6359	0.12	0.43	0.0	3.0
R7HESRC2	7538	0.13	0.45	0.0	3.0
R8HESRC2	7512	0.09	0.38	0.0	3.0
R9HESRC2	7676	0.07	0.33	0.0	3.0
R10HESRC2	10150	0.07	0.34	0.0	3.0
R11HESRC2	10114	0.06	0.30	0.0	3.0
R12HESRC2	9417	0.06	0.31	0.0	3.0
R13HESRC2	10628	0.06	0.35	0.0	3.0
R14HESRC2	9239	0.06	0.32	0.0	3.0
R15HESRC2	8679	0.05	0.31	0.0	3.0
R16HESRC2	8999	0.05	0.31	0.0	3.0
S1HESRC2	6081	0.08	0.35	0.0	2.0
S2HESRC2	2300	0.05	0.27	0.0	2.0
S3HESRC2	4345	0.20	0.54	0.0	2.0
S6HESRC2	3467	0.18	0.52	0.0	3.0
S7HESRC2	4180	0.20	0.55	0.0	3.0
S8HESRC2	4151	0.15	0.48	0.0	2.0
S9HESRC2	4135	0.12	0.44	0.0	2.0
S10HESRC2	5510	0.12	0.43	0.0	2.0
S11HESRC2	5466	0.09	0.39	0.0	2.0
S12HESRC2	4969	0.10	0.41	0.0	2.0
S13HESRC2	5367	0.12	0.51	0.0	3.0
S14HESRC2	4600	0.10	0.47	0.0	3.0
S15HESRC2	4354	0.10	0.48	0.0	3.0
S16HESRC2	4118	0.09	0.46	0.0	3.0
R6HESRC3	5685	0.01	0.12	0.0	3.0
R7HESRC3	6699	0.01	0.13	0.0	2.0
R8HESRC3	6923	0.01	0.11	0.0	2.0
R9HESRC3	7182	0.01	0.09	0.0	3.0
R10HESRC3	9547	0.01	0.13	0.0	2.0
R11HESRC3	9615	0.01	0.12	0.0	3.0
R12HESRC3	8917	0.01	0.13	0.0	3.0
R13HESRC3	10152	0.02	0.16	0.0	3.0
R14HESRC3	8836	0.01	0.15	0.0	3.0
R15HESRC3	8299	0.01	0.13	0.0	3.0
R16HESRC3	8648	0.02	0.16	0.0	3.0
S6HESRC3	2946	0.02	0.19	0.0	3.0
S7HESRC3	3542	0.03	0.22	0.0	2.0

S8HESRC3	3698	0.02	0.20	0.0	2.0
S9HESRC3	3759	0.02	0.18	0.0	2.0
S10HESRC3	5090	0.02	0.21	0.0	2.0
S11HESRC3	5127	0.02	0.17	0.0	3.0
S12HESRC3	4629	0.03	0.22	0.0	2.0
S13HESRC3	5060	0.03	0.27	0.0	3.0
S14HESRC3	4349	0.02	0.23	0.0	3.0
S15HESRC3	4105	0.02	0.23	0.0	3.0
S16HESRC3	3930	0.03	0.26	0.0	3.0
R1HECOV1	8605	3.62	1.86	1.0	6.0
R2HECOV1	7769	2.74	0.97	1.0	5.0
R3HECOV1	8694	2.87	1.23	1.0	4.0
R4HECOV1	10842	1.63	0.93	1.0	3.0
R5HECOV1	9890	2.82	1.24	1.0	4.0
R6HECOV1	8927	2.24	0.98	1.0	4.0
R7HECOV1	9938	2.20	1.00	1.0	4.0
R8HECOV1	8580	2.16	0.99	1.0	4.0
R9HECOV1	7292	2.13	0.99	1.0	4.0
R10HECOV1	9432	2.07	1.00	1.0	4.0
R11HECOV1	8226	2.03	1.00	1.0	4.0
R12HECOV1	6976	2.01	1.01	1.0	4.0
R13HECOV1	7615	1.96	1.00	1.0	4.0
R14HECOV1	5807	1.94	1.00	1.0	4.0
R15HECOV1	5005	1.93	1.01	1.0	4.0
R16HECOV1	4834	1.91	1.00	1.0	4.0
S1HECOV1	4471	3.26	0.92	2.0	5.0
S2HECOV1	6359	3.24	0.95	1.0	5.0
S3HECOV1	6681	3.69	1.21	2.0	5.0
S4HECOV1	8228	2.40	0.49	2.0	3.0
S5HECOV1	7496	3.73	1.19	2.0	5.0
S6HECOV1	6732	2.81	0.42	2.0	5.0
S7HECOV1	7442	2.79	0.50	2.0	5.0
S8HECOV1	6303	2.76	0.43	2.0	5.0
S9HECOV1	5268	2.76	0.44	2.0	5.0
S10HECOV1	6692	2.72	0.47	2.0	5.0
S11HECOV1	5831	2.69	0.47	2.0	5.0
S12HECOV1	4799	2.70	0.48	2.0	5.0
S13HECOV1	5052	2.65	0.49	2.0	5.0
S14HECOV1	3682	2.65	0.50	2.0	5.0
S15HECOV1	3163	2.65	0.51	2.0	5.0
S16HECOV1	2839	2.65	0.50	2.0	5.0
R1HECOV2	746	3.81	1.87	1.0	6.0
R2HECOV2	103	3.83	0.71	1.0	4.0
R3HECOV2	802	3.23	1.16	1.0	4.0
R6HECOV2	514	2.40	0.92	1.0	4.0
R7HECOV2	670	2.34	0.97	1.0	4.0
R8HECOV2	483	2.28	0.96	1.0	3.0
R9HECOV2	377	2.24	0.98	1.0	4.0
R10HECOV2	541	2.10	1.00	1.0	4.0
R11HECOV2	419	2.06	1.00	1.0	4.0
R12HECOV2	431	2.06	1.00	1.0	4.0
R13HECOV2	429	1.94	1.01	1.0	4.0
R14HECOV2	344	2.00	1.01	1.0	4.0
R15HECOV2	316	1.94	1.01	1.0	4.0
R16HECOV2	315	1.98	1.01	1.0	4.0

S1HECOV2	369	3.03	0.70	2.0	5.0
S2HECOV2	83	5.00	0.00	5.0	5.0
S3HECOV2	632	4.15	1.17	2.0	5.0
S6HECOV2	424	2.85	0.40	2.0	5.0
S7HECOV2	551	2.82	0.52	2.0	5.0
S8HECOV2	393	2.78	0.42	2.0	3.0
S9HECOV2	305	2.76	0.49	2.0	5.0
S10HECOV2	398	2.69	0.46	2.0	3.0
S11HECOV2	312	2.67	0.49	2.0	5.0
S12HECOV2	307	2.69	0.48	2.0	5.0
S13HECOV2	290	2.64	0.52	2.0	5.0
S14HECOV2	214	2.71	0.48	2.0	5.0
S15HECOV2	201	2.68	0.53	2.0	5.0
S16HECOV2	176	2.70	0.46	2.0	3.0
R6HECOV3	41	2.22	0.99	1.0	3.0
R7HECOV3	68	2.29	0.96	1.0	3.0
R8HECOV3	50	2.20	0.99	1.0	3.0
R9HECOV3	43	2.12	1.00	1.0	3.0
R10HECOV3	98	2.14	0.99	1.0	3.0
R11HECOV3	71	2.14	1.02	1.0	4.0
R12HECOV3	101	2.01	1.00	1.0	3.0
R13HECOV3	124	1.98	1.00	1.0	3.0
R14HECOV3	91	1.95	1.00	1.0	3.0
R15HECOV3	77	1.94	1.00	1.0	3.0
R16HECOV3	105	1.77	0.99	1.0	4.0
S6HECOV3	32	2.75	0.44	2.0	3.0
S7HECOV3	52	2.85	0.36	2.0	3.0
S8HECOV3	43	2.70	0.46	2.0	3.0
S9HECOV3	32	2.72	0.46	2.0	3.0
S10HECOV3	70	2.77	0.42	2.0	3.0
S11HECOV3	46	2.80	0.54	2.0	5.0
S12HECOV3	68	2.74	0.44	2.0	3.0
S13HECOV3	78	2.69	0.46	2.0	3.0
S14HECOV3	49	2.73	0.45	2.0	3.0
S15HECOV3	47	2.72	0.45	2.0	3.0
S16HECOV3	52	2.63	0.49	2.0	3.0
REHESRC1	15816	0.37	0.74	0.0	3.0
REHESRC2	7837	0.03	0.21	0.0	3.0
REHESRC3	7058	0.00	0.05	0.0	2.0

Categorical Variable Codes

RwHESRC1: Source of R empl plan #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr		7	399	590	14					
.D=DK	1	5	46	22	34	66	69	66	85	144
.J=Web interview, missing										
.M=Oth missing	95	33	1250	69	49	14	18	15	17	252
.Q=Not asked this wv		8222								
.R=RF	10	18	17	16	13	43	24	15	16	40
.T=Cov,DK whether by emplyr	84	63	189			78	84	57	50	118
0.No employer-provided insu	3952	3429	7795	10435	9592	9037	9996	9736	9757	12048
1.Respondent	4732	4996	5823	7309	6708	6086	6778	5742	4895	6598
2.Current Spouse	1031	2869	2472	2943	3168	2457	2746	2366	2005	2488
3.Former Spouse						384	414	472	392	346
6.R is a covered non FINR(W	2747									

Value	w11	w12	w13	w14	w15	w16
.C=Cov,DK by whose emplyr			16	5	27	5
.D=DK	130	142	145	103	152	130
.J=Web interview, missing				47	58	63
.M=Oth missing	49	48	121	91	124	138
.Q=Not asked this wv						
.R=RF	36	45	54	45	62	60
.T=Cov,DK whether by emplyr	89	109	317	105	135	119
0.No employer-provided insu	12024	11427	12660	10948	10187	10443
1.Respondent	5728	4887	5468	4267	3651	3598
2.Current Spouse	2165	1794	816	444	397	322
3.Former Spouse	333	295	1315	1091	930	909
6.R is a covered non FINR(W						

SwHESRC1: Source of Sp empl plan #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr		2	349	496	7					
.D=DK	1	2	22	8	19	21	25	32	37	52
.J=Web interview, missing										
.M=Oth missing	95	12	696	16	10	5	2	3	4	142
.Q=Not asked this wv		4549								
.R=RF	9	13	5	10	9	30	16	7	10	18
.T=Cov,DK whether by emplyr	8	4	92			35	25	15	19	51
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		384	417	536	311	220	380	317	365	724
0.No employer-provided insu	5713	2254	4421	5718	5196	4816	5462	5375	5308	6558
1.Respondent	971	2735	2079	2457	2655	2418	2680	2310	1942	2357
2.Current Spouse	3482	3719	4253	5275	4834	4300	4740	3984	3326	4335
3.Former Spouse						14	22	9		

Value	w11	w12	w13	w14	w15	w16
.C=Cov,DK by whose emplyr			8	4	22	4
.D=DK	60	72	66	55	76	46
.J=Web interview, missing				38	40	39
.M=Oth missing	11	15	35	19	22	25
.Q=Not asked this wv						
.R=RF	15	21	27	21	32	18
.T=Cov,DK whether by emplyr	41	49	173	43	65	43
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No employer-provided insu	6526	6056	6426	5500	5079	4830

1.Respondent	2052	1684	758	370	344	275
2.Current Spouse	3777	3115	3366	2517	2120	1922
3.Former Spouse	2		920	791	677	638

RwHESRC2: Source of R empl plan #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr			24							
.D=DK		4	46			66	69	66	85	144
.J=Web interview, missing										
.M=Oth missing	95	30	88			14	18	15	17	251
.P=Only one plan carried fr		6615								
.Q=Not asked this wv		8222								
.R=RF	2	10	17			43	24	15	16	40
.T=Cov,DK whether by emplyr	7		183			9	15	11	5	14
.X=No more plans	5371	1278	10379			11674	12465	10850	9418	11435
0.No employer-provided insu	6440	3381	6476			5845	6868	7029	7299	9609
1.Respondent	219	41	404			286	380	293	243	345
2.Current Spouse	238	61	374			217	269	174	119	174
3.Former Spouse						11	21	16	15	22
6.R is a covered non FINR(W	280									

Value	w11	w12	w13	w14	w15	w16
.C=Cov,DK by whose emplyr					5	
.D=DK	130	142	145	103	152	130
.J=Web interview, missing				47	57	62
.M=Oth missing	49	48	122	91	125	138
.P=Only one plan carried fr						
.Q=Not asked this wv						
.R=RF	36	45	54	45	62	60
.T=Cov,DK whether by emplyr	11	17	37	24	19	25
.X=No more plans	10214	9078	9926	7597	6624	6373
0.No employer-provided insu	9695	8986	10199	8895	8368	8684
1.Respondent	273	294	294	249	237	239
2.Current Spouse	132	122	28	25	10	11
3.Former Spouse	14	15	107	70	64	65
6.R is a covered non FINR(W						

SwHESRC2: Source of Sp empl plan #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr			22							
.D=DK		1	22			21	25	32	37	52
.J=Web interview, missing										
.M=Oth missing	95	9	31			5	2	3	4	142
.P=Only one plan carried fr		5394								
.Q=Not asked this wv		4549								
.R=RF	1	7	5			30	16	7	10	18
.T=Cov,DK whether by emplyr			99			4	9	8	3	7
.U=Unmarried	2373	5968	5657			6306	6777	6417	6206	7797
.V=Spouse NR		384	417			220	380	317	365	724
.X=No more plans	4102	1030	7393			8112	8740	7534	6457	7784
0.No employer-provided insu	5713	2217	3735			3043	3629	3758	3830	5112
1.Respondent	223	52	331			215	263	173	115	161
2.Current Spouse	145	31	279			208	284	220	190	237
3.Former Spouse						1	4			

Value	w11	w12	w13	w14	w15	w16
.C=Cov,DK by whose emplyr					4	

.D=DK	60	72	66	55	76	46
.J=Web interview, missing				38	40	39
.M=Oth missing	11	15	35	19	21	25
.P=Only one plan carried fr						
.Q=Not asked this wv						
.R=RF	15	21	27	21	32	18
.T=Cov,DK whether by emplyr	7	8	24	9	8	9
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.X=No more plans	6925	5927	6260	4616	3942	3585
0.No employer-provided insu	5154	4662	5077	4386	4157	3942
1.Respondent	125	114	25	21	8	9
2.Current Spouse	187	193	185	142	134	122
3.Former Spouse			80	51	55	45

RwHESRC3: Source of R empl plan #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr										
.D=DK						66	69	66	85	144
.J=Web interview, missing										
.M=Oth missing						14	18	15	17	251
.R=RF						43	24	15	16	40
.T=Cov,DK whether by emplyr						6	12	2	5	11
.X=No more plans						12351	13307	11448	9912	12041
0.No employer-provided insu						5644	6631	6873	7139	9449
1.Respondent						29	54	41	39	80
2.Current Spouse						10	14	9	2	18
3.Former Spouse						2			2	

Value	w11	w12	w13	w14	w15	w16
.C=Cov,DK by whose emplyr					1	
.D=DK	130	142	145	103	152	130
.J=Web interview, missing				47	57	63
.M=Oth missing	49	48	121	91	124	138
.R=RF	36	45	54	45	62	60
.T=Cov,DK whether by emplyr	8	9	8	8	6	6
.X=No more plans	10716	9586	10432	8016	7022	6742
0.No employer-provided insu	9544	8816	10028	8745	8223	8543
1.Respondent	54	83	105	77	67	90
2.Current Spouse	14	17	2	3	1	
3.Former Spouse	3	1	17	11	8	15

SwHESRC3: Source of Sp empl plan #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr										
.D=DK						21	25	32	37	52
.J=Web interview, missing										
.M=Oth missing						5	2	3	4	142
.R=RF						30	16	7	10	18
.T=Cov,DK whether by emplyr						3	7	1	3	6
.U=Unmarried						6306	6777	6417	6206	7797
.V=Spouse NR						220	380	317	365	724
.X=No more plans						8634	9380	7994	6833	8205
0.No employer-provided insu						2914	3490	3655	3727	5020
1.Respondent						10	14	9	2	17
2.Current Spouse						21	38	34	30	53
3.Former Spouse						1				

Value	w11	w12	w13	w14	w15	w16
.C=Cov,DK by whose emplyr					1	
.D=DK	60	72	66	55	76	46
.J=Web interview, missing				38	40	39
.M=Oth missing	11	15	35	19	21	25
.R=RF	15	21	27	21	32	18
.T=Cov,DK whether by emplyr	5	3	4	3	5	1
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.X=No more plans	7266	6272	6587	4873	4197	3781
0.No employer-provided insu	5081	4561	4982	4300	4059	3878
1.Respondent	12	16	2	2	1	
2.Current Spouse	33	52	64	39	37	40
3.Former Spouse	1		12	8	8	12

RwHECOV1: Who is covered in R empl plan #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			221	22	34	139	147	123	133	250
.H=Source missing,question		20								
.J=Web interview, missing										
.M=Oth missing	95	202	1250	69	49	14	18	15	17	252
.N=None	3952	3429	7795	10435	9592	9037	9996	9736	9757	12048
.Q=Not asked this wv		8222								
.R=RF			31	16	13	48	30	15	18	52
1.Respondent Only	1874	1574	2405	7420	2899	3427	4042	3631	3164	4391
2.Spouse		211								
3.Both	3143	4678	2609	3422	3019	5454	5730	4929	4114	5004
4.Respondent, DK Spouse	841	1293	3680		3972	46	166	20	14	37
5.Spouse, DK R		13								
6.R is a covered non FINR(W	2747									

Value	w11	w12	w13	w14	w15	w16
.D=DK	216	245	325	185	261	234
.H=Source missing,question			118			
.J=Web interview, missing				59	72	73
.M=Oth missing	49	48	121	91	124	138
.N=None	12024	11427	12660	10948	10187	10443
.Q=Not asked this wv						
.R=RF	39	51	73	56	74	65
1.Respondent Only	3988	3453	3973	3072	2685	2652
2.Spouse						
3.Both	4221	3498	3615	2721	2281	2166

4.Respondent, DK Spouse	17	25	27	14	39	16
5.Spouse, DK R						
6.R is a covered non FINR(W						

SwHECOV1: Who is covered in Sp empl plan #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			108	8	19	54	48	47	55	97
.H=Source missing,question		10								
.J=Web interview, missing										
.M=Oth missing	95	118	696	16	10	5	2	3	4	142
.N=None	5713	2254	4421	5718	5196	4816	5462	5375	5308	6558
.Q=Not asked this wv		4549								
.R=RF			11	10	9	32	18	7	11	24
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		384	417	536	311	220	380	317	365	724
1.Respondent Only		208								
2.Spouse	593	449	1233	4951	1225	1358	1774	1500	1286	1954
3.Both	2994	4486	2528	3277	2931	5347	5563	4796	3976	4714
4.Respondent, DK Spouse		13								
5.Spouse, DK R	884	1203	2920		3340	27	105	7	6	24

Value	w11	w12	w13	w14	w15	w16
.D=DK	99	117	158	85	131	79
.H=Source missing,question			68			
.J=Web interview, missing				47	46	47
.M=Oth missing	11	15	35	19	22	25
.N=None	6526	6056	6426	5500	5079	4830
.Q=Not asked this wv						
.R=RF	17	25	40	25	36	20
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Respondent Only						
2.Spouse	1821	1494	1774	1304	1145	1021
3.Both	3999	3287	3267	2366	2000	1810
4.Respondent, DK Spouse						
5.Spouse, DK R	11	18	11	12	18	8

RwHECOV2: Who is covered in R empl plan #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			222			71	82	74	88	153
.H=Source missing,question		13								
.J=Web interview, missing										
.M=Oth missing	95	30	88			14	18	15	17	251
.N=None	6440	3381	6476			5845	6868	7029	7299	9609
.P=Only one plan carried fr		6615								
.Q=Not asked this wv		8222								
.R=RF			24			47	26	18	18	45
.X=No more plans	5371	1278	10379			11674	12465	10850	9418	11435
1.Respondent Only	135	6	156			154	227	173	145	244
3.Both	299		150			358	431	310	229	296
4.Respondent, DK Spouse	32	97	496			2	12		3	1
6.R is a covered non FINR(W	280									

Value	w11	w12	w13	w14	w15	w16
.D=DK	139	154	169	116	164	149
.H=Source missing,question			9			
.J=Web interview, missing				51	59	65

.M=Oth missing	49	48	122	91	125	138
.N=None	9695	8986	10199	8895	8368	8684
.P=Only one plan carried fr						
.Q=Not asked this wv						
.R=RF	38	50	58	52	67	63
.X=No more plans	10214	9078	9926	7597	6624	6373
1.Respondent Only	198	204	229	173	169	161
3.Both	220	226	197	170	144	152
4.Respondent, DK Spouse	1	1	3	1	3	2
6.R is a covered non FINR(W						

SwHECOV2: Who is covered in Sp empl plan #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			116			23	32	38	39	56
.H=Source missing,question		8								
.J=Web interview, missing										
.M=Oth missing	95	9	31			5	2	3	4	142
.N=None	5713	2217	3735			3043	3629	3758	3830	5112
.P=Only one plan carried fr		5394								
.Q=Not asked this wv		4549								
.R=RF			10			32	18	9	11	21
.U=Unmarried	2373	5968	5657			6306	6777	6417	6206	7797
.V=Spouse NR		384	417			220	380	317	365	724
.X=No more plans	4102	1030	7393			8112	8740	7534	6457	7784
2.Spouse	54		84			69	121	88	79	122
3.Both	283		144			353	419	305	223	276
5.Spouse, DK R	32	83	404			2	11		3	

Value	w11	w12	w13	w14	w15	w16
.D=DK	65	77	82	58	82	54
.H=Source missing,question			5			
.J=Web interview, missing				41	42	40
.M=Oth missing	11	15	35	19	21	25
.N=None	5154	4662	5077	4386	4157	3942
.P=Only one plan carried fr						
.Q=Not asked this wv						
.R=RF	17	24	30	24	32	18
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.X=No more plans	6925	5927	6260	4616	3942	3585
2.Spouse	105	97	109	63	69	53
3.Both	206	209	179	150	130	123
5.Spouse, DK R	1	1	2	1	2	

RwHECOV3: Who is covered in R empl plan #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK						68	80	68	90	149
.J=Web interview, missing										
.M=Oth missing						14	18	15	17	251
.N=None						5644	6631	6873	7139	9449
.R=RF						47	25	15	16	46
.X=No more plans						12351	13307	11448	9912	12041
1.Respondent Only						16	24	20	19	42
3.Both						25	44	30	24	56
4.Respondent, DK Spouse										

Value	w11	w12	w13	w14	w15	w16
.D=DK	135	147	150	106	155	133
.J=Web interview, missing				48	58	64
.M=Oth missing	49	48	121	91	124	138
.N=None	9544	8816	10028	8745	8223	8543
.R=RF	39	49	57	49	64	62
.X=No more plans	10716	9586	10432	8016	7022	6742
1.Respondent Only	31	50	63	48	41	65
3.Both	39	51	61	43	36	39
4.Respondent, DK Spouse	1					1

SwHECOV3: Who is covered in Sp empl plan #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK						22	31	33	40	54
.J=Web interview, missing										
.M=Oth missing						5	2	3	4	142
.N=None						2914	3490	3655	3727	5020
.R=RF						32	17	7	10	22
.U=Unmarried						6306	6777	6417	6206	7797
.V=Spouse NR						220	380	317	365	724
.X=No more plans						8634	9380	7994	6833	8205
2.Spouse						8	8	13	9	16
3.Both						24	44	30	23	54
5.Spouse, DK R										

Value	w11	w12	w13	w14	w15	w16
.D=DK	62	75	69	56	79	47
.J=Web interview, missing				39	41	39
.M=Oth missing	11	15	35	19	21	25
.N=None	5081	4561	4982	4300	4059	3878
.R=RF	18	21	28	22	33	18
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.X=No more plans	7266	6272	6587	4873	4197	3781
2.Spouse	11	18	24	13	13	19
3.Both	34	50	54	36	34	33
5.Spouse, DK R	1					

REHESRC1: EXIT Source of R empl plan #1

Value	
.C=Cov,DK by whose emplyr	356
.D=DK	75
.M=Oth missing	842
.R=RF	33
.T=Cov,DK whether by emplyr	533
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1632
0.No employer-provided insu	11896
1.Respondent	2463
2.Current Spouse	934
3.Former Spouse	523

REHESRC2: EXIT Source of R empl plan #2

Value	
.C=Cov,DK by whose emplyr	18
.D=DK	20
.M=Oth missing	821
.P=Only one plan carried fr	47
.R=RF	1
.S=Skip,question not asked	1829
.T=Cov,DK whether by emplyr	56
.X=No more plans	7077
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1581
0.No employer-provided insu	7691
1.Respondent	96
2.Current Spouse	36
3.Former Spouse	14

REHESRC3: EXIT Source of R empl plan #3

Value	
.M=Oth missing	813
.Q=Not asked this wv	3727
.T=Cov,DK whether by emplyr	5
.X=No more plans	6108
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1576
0.No employer-provided insu	7048
1.Respondent	7
2.Current Spouse	3

How Constructed

Core Interview Variables

These variables provide source and coverage information about individual employer-provided health insurance plans. RwHESRCx, the source, may be a current or previous employer or union of the Respondent or spouse, and Respondent and spouse can be covered. If the Respondent is self-employed, health insurance provided by his business is considered employer-provided. There are variables for

each plan. The number of plans for which information was collected varies from wave to wave. RwHESRCx indicates the source of the health insurance plan, where "x" denotes the plan number. RwHECOVx indicates who is covered under the plan.

For each plan the Respondent is asked for the source. If the plan is provided by the Respondent's business, current or previous employer or union, then we set RwHESRCx to "Respondent." If the plan comes from the Respondent's spouse's current or former employer or union or from an ex-spouse, then we set RwHESRCx to "Spouse."

We also collect information on who is covered under each insurance plan. If the Respondent reports that they are covered but no-one else is covered, then RwHECOVx is set to "Respondent only covered." If the Respondent is not given an opportunity to report if anyone else is covered or answers "don't know" or "refused" to the anyone else covered question, then RwHECOVx is set to "Respondent, don't know about Spouse." If the Respondent reports that their spouse is also covered under the Respondent's plan, then RwHECOVx is set to "Both."

In Wave 1 only the Financial Respondent answered the questions. They are asked first about their primary plan and whether others are covered under this plan, and then they are asked if their spouse has any additional health insurance plans. So it is possible for the spouse to be covered under the Financial Respondent's plan and not have any additional plans. Then, R1HESRC1=6 is a special value indicating that the Respondent is a Non-Financial Respondent and is only covered under the Financial Respondent's primary plan. If the non-Financial Respondent also has an additional plan, the R1HESRC1 will contain information about the additional plan, and the spouse variables (S1HECOV) will hold the information regarding the Financial Respondent's plan. So it is important to look at the spouse variables as well as the Respondent variables to get a full picture of the non-Financial Respondent's coverage in Wave 1.

In Wave 2H, the source of the plan is not asked if a preloaded value indicates that the Respondent reported being covered by employer-provided health insurance at Wave 1 and if the Respondent indicates that they are still covered by that source. The HRS documentation indicates that the preloaded value is taken from specific Wave 1 variables. In these cases, the Wave 1 variable is used to determine whether the plan that continues to cover the Respondent in Wave 2 is the Respondent's or the spouse's plan. If it is the Respondent's plan then R2HESRCx is set to "Respondent." If it is the spouse's plan then R2HESRCx is set to "Spouse." If the preloaded value does not indicate Wave 1 coverage, or if the Respondent does not say they are still covered by that source, then questions similar to the Wave 1 questions are asked, and if the source of any plan that covers the Respondent is the Respondent's current or previous employer, union, or own business, then R2HESRCx is set to "Respondent." If the source of any plan that covers the Respondent is the spouse's current or previous employer, or union, then R2HESRCx is set to "Spouse."

In Wave 2A, questions about non-government health insurance do not include any information about the source of the coverage. So for the AHEAD Respondents, R2HESRCx and R2HECOVx are set to .Q, to indicate that no information is available.

From Wave 3 forward, the questions do not depend on answers given in previous waves. In Wave 3A, a question asks if the Respondent is covered by any non-government health plan besides long-term care insurance.

In Waves 3H, 4 and 5, a question asks if the Respondent is covered by any employer provided health insurance, or if self-employed, through the business. If no health insurance is reported in these questions RwHESRCx is set to "0" and RwHECOVx is set to .N - no employer related insurance. If the Respondent reports having health insurance, then RwHECOVx is set to "Respondent only." RwHESRCx is set to "Respondent" if the source is the Respondent's current or previous employer or union, or if the Respondent is self-employed and has health insurance through the business. If the Respondent reports that their spouse is also covered under this insurance, then RwHECOVx is set to "Both." RwHESRCx is set to "Spouse" if the source is the spouse's current or previous employer or union. If the Respondent doesn't know if anyone else is covered or reports that someone else is covered but doesn't know who, then RwHECOVx is set to "Respondent, don't know about spouse."

In Wave 3A, if the source of insurance is unknown (DK/RF), then RwHESRCx and RwHECOVx are set to missing (.D/.R). If no source is unknown and none of the sources indicate the Respondent's and the Respondent's spouse's employer, then RwHESRCx is set to "0" and RwHECOVx is set to .N.

In Wave 3H and from Wave 4 forward, if the Respondent reports employer-provided insurance but the source of coverage is "other," "don't know," or "refused" then RwHESRCx is set to special missing .C, covered but don't know the source. RwHECOVx is still reported and so it is possible for RwHESRCx to be a special missing and RwHECOVx not missing. This happens most often for self-employed Respondents in Waves 3H and 4 who did not have insurance through the business but did through an

employer. In Wave 3H and from Wave 4 on, if RwHESRCx is .C and the spouse of the Respondent indicates whether or not the Respondent is covered by their (the spouse's) employer-provided insurance, then RwHESRCx is set according to the spouse information.

Beginning in Wave 6, the self-employed are no longer asked the health insurance question separately; it is combined with current employer. Note that because questions are skipped based on the Respondent's marital status in Waves 6 and 7, spouse's current or previous employer is not directly asked as the source if the Respondent is not married/partnered. In prior waves, there is no such limitation, and some reported a spouse's employer as the source of insurance even when not married. From Wave 8 forward, ever-married Respondents are asked about former spouse's employers as the source of insurance.

S1HESRCx and S1HECOVx for Wave 1 are taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then S1HESCRx and S1HECOVx are the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then S1HESRCx and S1HECOVx are the Financial Respondent's information.

From Wave 2 on, SwHESCRx and SwHECOVx are derived from the spouse's self-reported RwHESRCx and RwHECOVx variables, if available.

Exit Interview Variables

REHESRC1, REHESRC2 and REHESRC3 provide source and coverage information about individual employer-provided health insurance plans. The source may be a current or previous employer or union of the Respondent or spouse. If the Respondent is self-employed, health insurance provided by the business is considered employer-provided too. The number of plans about which data was collected varies across the waves. There are up to two plans for Waves 2H to 5, and up to three plans from Wave 6 on. REHESRCx indicates the source of the health insurance plan, where "x" denotes the plan number, 1, 2 or 3.

If the plan is provided by the Respondent's own business, last or former employer or union, then REHESRCx is coded to "Respondent." If the plan is from the Respondent's spouse's current or former employer or union or from an ex-spouse, then REHESRCx is set to one of the "Spouse" codes. In Waves 1 through 5 for both the Core Interview and the Exit Interview measures there is no distinction between current or former spouse, therefore the code for any spouse is "Current Spouse." In Wave 6 and on, more specific survey questions are asked of those with different marital situations, to add the code "Former Spouse."

If there are no plans reported, REHESRC1=0 and REHESRC2=0 for all waves and REHESCR3=0 for Waves 6 on. For Waves 2H to 5, when the number of plans is reported as 1, REHESRC2=.X and REHESRC3=.X, indicating no more plans. From Wave 6 on, when the number of plans is reported as 2, REHESRC3=.X, no more plans.

For Exit Interview Wave 2H, the proxy is not asked about the source of the plan if the proxy indicates that the Respondent had the same plan as captured in the preload, and the preload value indicates the Respondent reported being covered by employer-provided insurance at Wave 1. If the preloaded values do not indicate Wave 1 coverage or the proxy does not say it is the same coverage, then questions are asked about an insurance plan.

For Waves 3 and 6 forward if the proxy indicates a health insurance plan and the plan's source is unknown and no sources indicate either the Respondent's or spouse's employer, REHESRCx is assigned .T, meaning the Respondent is covered but we don't know whether by an employer. If no health insurance is reported, or no source is known or none of the sources indicate the Respondent's or the Respondent's spouse's employer, then REHESCRx is coded 0="No employer provided insurance."

Wave 4 has no questions that ask about specific sources for the employer-provided insurance. The proxy is asked if the Respondent had an employer-provided plan and, if so, how many plans. When the proxy indicates that the Respondent had employer-provided plan, REHESRCx are as assigned a value of .C, indicating the Respondent is covered by employer-provided insurance but it's not known by whose employer.

In Wave 5, a lead-in question determines if the Respondent was covered by any employer-provided or self-employed health insurance at death. If the proxy reports that that the Respondent had health insurance, source questions are asked about up to two plans.

In Waves 6 and 7, there are skip patterns based on the Respondent's marital status, so spouse's employer or previous employer

are not a possible sources if the Respondent is not married/partnered. In prior waves, there is no such limitation, and some reported a spouse's employer as the source of insurance even when not married. From Wave 8 forward, any Respondent that ever reports are asked about former spouse's employers as the source of insurance.

In Wave 13, the proxy is asked if the health insurance plan that the Respondent had reported at the last Core Interview is the same plan that covered the Respondent at death. The preload variables for these health insurance plans are not included in the Wave 13 release of the Exit Interview measures. If the previous plan is indicated we pull forward information on REHESRCx for up to three plans from the last Core Interview before death.

Core and Exit Differences

Exit Interview Waves 3A and 3H are similar to Core Interview Wave 3A.

In Exit Interview Wave 4 the proxy is not asked questions about the specific source of employer-provided insurance, so REHESRCx from this wave is assigned a value of .C, indicating the Respondent was covered by employer-provided insurance but it's not known by whose employer.

Exit Interview Wave 4 and Exit Interview Wave 5 utilize the number of plans in assigning a code to REHESRC2. If the number of plans is 1, REHESRC2=.X.

In Exit Interview Wave 6 the question about obtaining insurance through a Respondent's former employer is not included.

In Exit Interview Wave 13, the proxy is asked if the preload plans are still the same as the plan the Respondent had at death? If this is the case, the last Core Interview measures are utilized. This is done for up to 3 plans.

Cross Wave Differences in Original HRS Data

Core Interview Variables

In Wave 1, the health insurance questions are asked only of the Financial Respondent, about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only.

In Wave 1, the private health insurance questions begin with: "Do you have any type of health insurance coverage obtained through your [or your spouse's] employer, former employer or union, such as Blue Cross-Blue Shield or a Health Maintenance Organization?" If yes, the Financial Respondent is asked how many plans and the source of up to two plans. The source of insurance can be the Respondent's current or former employer, the Respondent's union, Respondent's spouse's current or former employer or union, and other. If the Financial Respondent is married and reported having employer-provided health insurance, the first question about the spouse's private health insurance coverage is: "You told me earlier that you obtain health insurance through an employer or union. Is your spouse covered by the same insurance plan(s)?"

If so, the Financial Respondent is then asked by which (if more than one plan). The questions then ask if the Financial Respondent's spouse is covered by any additional employer-provided health insurance, and if so, the source of up to two plans. We also collect information for up to two plans for the spouse. If the spouse is covered by the Financial Respondent's plan and also has additional plans, then we use additional information first and the Financial Respondent's plan information can be found in the S1HESRCx and S1HECOVx variables. If they do not have additional plans and are only covered by the Financial Respondent's plan, then we use the special value '6' to indicate that the Respondent is a covered Non-Financial Respondent.

So R1HESRC1 is the first plan the Respondent reported to be covered under and R1HERTR1 is the first plan the Respondent reported to be covered in retirement. The analyst must look at the source variable to see whose employer is providing the coverage. This is only true in Wave 1 - in later waves if the source is not the Respondent's employer, the retirement coverage questions are not asked. So in later waves when SwHERTR1=1, then SwHESRC1=2 (Spouse's employer). In Wave 2 if the Respondent says they are still covered under their Wave 1 plan, then we carry their first Wave 1 plan information forward.

The definition of these new insurance variables is slightly different from the more general ones (RwCOVR/RwCOVS and RwCOVRT) and the two sets do not always match up. For example, there are 9 cases in Wave 1 where the Respondent says they have one plan but gives information about two. For these cases R1COVR=1, but in the detailed variable derivation the number of plans limits the plan information examined, so the second plan source is ignored. There are also 18 cases that have R2COVRT=1, but the detailed variables do not indicate coverage in retirement. For R2COVRT, the Wave 2 information is being carried forward from the second plan in Wave 1. The detailed variable derivation only carries information on one Wave 1 plan forward to Wave 2, so the detailed variable R2HERTR2 is set to .P instead of 1.

For the Financial Respondent in Wave 1, and for Waves 2H and 3, up to two insurance plans are asked about. In Waves 4 and 5, only one employer-provided health insurance plan is asked about. The question wording asks for information about plans in order of importance. From Wave 6 forward, data is collected about three plans.

In Wave 2H, if preloaded information indicates the Respondent was covered by any employer-provided health insurance in Wave 1, the following question is asked: "According to our records, in [Wave 1 interview month] you were covered by health insurance from [source of plan preloaded from W1]. Are you still covered by the same employer health insurance policy as before?" If yes, no further questions on source of insurance are asked. If the Respondent is the Financial Respondent in Wave 2H and says the records show wrong coverage, a follow-up question asks for a corrected source of insurance at the last interview and whether the Respondent is still covered. If the Respondent was not the Financial Respondent in Wave 1 and says the records show wrong coverage, or if the Respondent (Financial Respondent or not) responds with any other answer except "yes," questions almost identical to those asked in Wave 1 regarding coverage and its source are asked.

In Wave 2H, additional answers for the source of health insurance are possible. In particular, "Through own business" and "Purchased through own business/self-employment" are added to address the coverage of those self-employed.

In Wave 2A, questions about other health insurance are asked but there are no questions to indicate whether the source of that insurance is a current or previous employer.

In Wave 3A, the question about other health insurance is followed up by asking the source of the insurance. Besides current or previous employers and unions of the Respondent and spouse, the source can be other organizations or self. There are two questions about source of coverage, one for the first, or most important plan, and the other about other plans, with the option to answer all that apply.

In Waves 3H, 4 and 5, self-employed Respondents are asked: "Do you have health insurance through that business that pays hospital or doctor bills?" If self-employed and not covered through the business, or if not self-employed, the Respondent is asked if they are covered by any employer-provided health insurance. If "yes," the source of the coverage is asked. Unfortunately, in Waves 3H and 4, the specific source of coverage was skipped if the Respondent was self-employed, not covered by the business, but was covered by an employer-provided insurance. This is corrected in Wave 5.

In Waves 6 forward, the questions about sources of employer-provided health insurance are asked about up to three plans, and they are asked differently than in previous waves. The questions about source of insurance are asked separately, in the following order until the source is reported:

1. Only if the Respondent is working: "Do you obtain this health insurance through Current employer/Own Business of yours?"

2. "Did you obtain this health insurance through a former employer of yours?"

3. Only if the Respondent is married/partnered: "Do you obtain this health insurance through your spouse/partner's Current employer?"

4. Only if the Respondent is married/partnered: "Do you obtain this health insurance through your spouse/partner's former employer?"

5. "Did you purchase this plan directly from an insurance company, through your/your spouse's union, through a group such as AARP, a church, or other organization, or what?"

From Wave 8 forward, question 3 is also asked of those who are separated, divorced, or who have had their marriage annulled, with the following wording "Do you obtain this health insurance through your former spouse/partner's Current employer?" Question 4 is asked of this expanded group and those who are widowed as: "Do you obtain this health insurance through your former spouse/partner's former employer?"

Note that in prior waves, the Respondent's current employer could be given as the source even if the Respondent is not working, and the spouse's employer could be given as the source even if the Respondent is not married or partnered. Former and deceased spouse's employers have been coded as the source if mentioned in response to the 5th question in the final release of 2002 (W6) and 2004 (W7) data.

For Wave 3H and from Wave 4 forward, if coverage is from the Respondent's employer or union, the Respondent is also asked who else is covered on this health insurance, and the response options include a code for spouse.

From Wave 13 forward, if the Respondent indicates plan source is same as last reported, we use data from a preload; however, in Wave 13 the preload fields were not all available so we use information from the last completed Core Interview.

Exit Interview Variables

Wave 2H utilizes preloads if the proxy indicates the Respondent was covered by the same insurance as in Wave 1.

Note that in Waves 2H, 4 and 5, special cases are coded as .C, covered but it's not known by whose employer, Respondent's or spouse's. Interview Wave 4 proxy is only asked 2 questions about employer insurance. The first question is, "At time of death, was the Respondent covered by any employer-provided health insurance?" and "How many different employer-provided health insurance plans was the Respondent covered by when he died?" No questions about specific sources of insurance are asked, therefore Wave 4 is coded .C.

In Wave 3, and from Wave 6 forward, the first private insurance questions asked are the number of "other" (non-government) health insurance plans. If the proxy does not provide a source of the insurance, .E is assigned to indicate the presence of health insurance, and it's not known whether it was obtained through an employer.

From Wave 6 forward, questions about sources of employer-provided health insurance are asked about up to three plans, and they are asked differently than in previous waves. The questions about source of insurance are asked separately, in the following order until the source and number of plans are reported,

1. How many other such plans did the Respondent have at the time of death? (Other than Medicare/HMO, do not include long-term care insurance).

2. Only if the Respondent was working "Do R obtain this health insurance through Current employer/Own Business?"

3. "Did the Respondent obtain this health insurance through a former employer?"

4. Only if the Respondent was married/partnered, "Did the Respondent obtain this health insurance through his/her spouse/partner's current employer?"

5. Only if the Respondent was married/partnered, "Did the Respondent obtain this health insurance through his/her spouse/partner's former employer?"

6. "Did the Respondent purchase this plan directly from an insurance company, through his/her spouse's union, through a group such as AARP, a church, or other organization, or what?"

Please note that responses to question three of the Exit interview measures for Wave 6 were not available thus REHESRCx is constructed without that response.

Responses from question 6 from Exit Interview Waves 6 through 8 include a code for former or deceased spouse's employer/union.

From Wave 8 forward, question four is also asked of those who are separated, divorced, or who have had their marriage annulled, with the following wording, "Did s/he obtain this health insurance through his/her former spouse/partner's current employer?" Questions five and six are asked of this expanded group and those who are widowed as, "Did s/he obtain this health insurance through his or her former spouse/partner's former employer?"

From Exit Wave 13 forward we utilize preloads if the proxy indicates the Respondent was covered by the same insurance plan source as the previous wave. Since the preload plan source was not included in our data for Exit Wave 13, we utilize the last Core Interview measures.

HRS Variables Used

Core Interview Variables

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HRS 1992:
    V6614           R3:R1EMPLR HLTH INS PLAN
    V6615           R3A:R1EMP:#PLANS HAVE
    V6616           R4:R1EMP:#1:HOW OBTAINED
    V6624           R4:R1EMP:#2:HOW OBTAINED
    V6808           R22:R2COV BY R'S EMP INS
    V6809           R23:CKPT:ONLY 1 PLAN/OTH
    V6810           R24A:PLAN1 COV BOTH R SP
    V6811           R24B:PLAN2 COVERS BOTH
    V6813           R25:R2HAS OTHR EMP INS
    V6814           R26:R2EMPLR HLTH INS PLN
    V6815           R26A:R2EMP:#PLANS HAVE
    V6816           R27:R2EMP:#1:HOW OBTAIND
    V6824           R27:R2EMP:#2:HOW OBTAIND
HRS 1994:
    W6705           R2-1.COVERED BY SAME POL
    W6706           R2a-1.WHO PROVIDED HEALT
    W6707           R2b-1.STILL COVERED BY W
    W6708           R2-2a.STILL COVERED BY S
    W6709           R2-2b.STILL COVERED BY S
    W6724           R4.CURRENT HEALTH INS FR
    W6726           P1. R5.HOW OBTAINED
    W6740           P2. R5.HOW OBTAINED
AHEAD 1995:
    D5214           R9. OTHER HEALTH INSURANCE
    D5215           R9A.# OTHER HEALTH INS
    D5225M1         R10D-1.  HOW OBTAIN OTHER HMO-1
    D5225M2         R10D-2. HOW OBTAIN OTHER HMO-1
    D5225M3         R10D. HOW OBTAIN OTHER HMO-1
    D5242M1         R11D-1.  HOW OBTAIN OTHER HMO-1
    D5242M2         R11D-2.  HOW OBTAIN OTHER HMO-1
HRS 1996:
    E5158           R12X.SELF-EMP INSURANCE
    E5160           R13.ANY EMPLR INSURANCE FOR HOSP/DR BILL
    E5163_1         R15.HOW OBTAIN INSURANCE
    E5163_2         R15.HOW OBTAIN INSURANCE
    E5172_1         R19C.ANYONE ELSE COVERED
    E5172_2         R19C.ANYONE ELSE COVERED
    E5173001        R19D.WHO COVERED?
    E5173002        R19D.WHO COVERED?
    E5173003        R19D.WHO COVERED?
    E5173004        R19D.WHO COVERED?
    E5173005        R19D.WHO COVERED?
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    E5173011        R19D.WHO COVERED?
    E5173012        R19D.WHO COVERED?
    E5173013        R19D.WHO COVERED?
    E5173014        R19D.WHO COVERED?
    E5173015        R19D.WHO COVERED?
HRS 1998:
    F5891           R12X.SELF-EMP INSURANCE
    F5893           R13.ANY INSURANCE FOR HOSP/DR BILLS
    F5896           R15.HOW OBTAIN INSURANCE
    F5905           R19C.ANYONE ELSE COVERED
    F5906M1         R19D.WHO COVERED?
    F5906M2         R19D.WHO COVERED?
    F5906M3         R19D.WHO COVERED?
    F5906M4         R19D.WHO COVERED?
    F5906M5         R19D.WHO COVERED?
    F5906M6         R19D.WHO COVERED?
HRS 2000:
    G6264           R12AA.SELF-EMP INSURANCE
    G6266           R13.ANY INSURANCE THRU AN EMPLOYER
    G6269           R15.HOW OBTAIN INSURANCE
    G6278           R19C.ANYONE ELSE COVERED
    G6279M1         R19D.WHO COVERED?
    G6279M2         R19D.WHO COVERED?
    G6279M3         R19D.WHO COVERED?
    G6279M4         R19D.WHO COVERED?
    G6279M5         R19D.WHO COVERED?
    G6279M6         R19D.WHO COVERED?
    G6330           R54.IS ANYONE ELSE COVERED
    G6331M1         R54A.WHO ELSE COVERED
    G6331M2         R54A.WHO ELSE COVERED
    G6331M3         R54A.WHO ELSE COVERED
    G6331M4         R54A.WHO ELSE COVERED
    G6331M5         R54A.WHO ELSE COVERED
    G6331M6         R54A.WHO ELSE COVERED
HRS 2004:
    JN049_2E        PRIV PLAN HI- WHO COVERED-2-5
    JN049_2F        PRIV PLAN HI- WHO COVERED -2
    JN049_3E        PRIV PLAN HI- WHO COVERED- 3- 5
HRS 2006:
    KN049_2E        PRIV PLAN HI- WHO COVERED -2- 5
    KN049_2F        PRIV PLAN HI- WHO COVERED -2- 6
    KN049_3E        PRIV PLAN HI- WHO COVERED- 3- 5
HRS 2008:
    LN049_2E        PRIV PLAN HI- WHO COVERED -2- 5
    LN049_2F        PRIV PLAN HI- WHO COVERED -2- 6
HRS 2010:
    MN049_2E        PRIV PLAN HI- WHO COVERED -2- 5
    MN049_2F        PRIV PLAN HI- WHO COVERED- 2- 6
    MN049_3E        PRIV PLAN HI- WHO COVERED- 3- 4
HRS 2014:
    ON049_2E        PRIV PLAN HI- WHO COVERED- 2- 5
    ON049_2F        PRIV PLAN HI- WHO COVERED- 2- 6
HRS 2014:
    ON049_1G        PRIV PLAN HI- WHO COVERED- 1- 7
    ON049_1H        PRIV PLAN HI- WHO COVERED- 1- 8
HRS 2016:
    PN049_2E        PRIV PLAN HI- WHO COVERED- 2- 5
    PN049_2F        PRIV PLAN HI- WHO COVERED- 2- 6
HRS 2002-2022:
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    xN023           NUM PRIVATE HEALTH INS PLANS
    xN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    xN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    xN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    xN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    xN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    xN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    xN035_1         OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
    xN035_2         OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
    xN035_3         OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
    xN036_1         OBTAIN INS THRU HWP FORMER EMPLOYER- 1
    xN036_2         OBTAIN INS THRU HWP FORMER EMPLOYER- 2
    xN036_3         OBTAIN INS THRU HWP FORMER EMPLOYER- 3
    xN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    xN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    xN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
    xN048_1         PRIV PLAN HI- ANYONE ELSE COVERED- 1
    xN048_2         PRIV PLAN HI- ANYONE ELSE COVERED- 2
    xN048_3         PRIV PLAN HI- ANYONE ELSE COVERED- 3
    xN049_1A        PRIV PLAN HI- WHO COVERED- 1- 1
    xN049_1B        PRIV PLAN HI- WHO COVERED- 1- 2
    xN049_1C        PRIV PLAN HI- WHO COVERED- 1- 3
    xN049_1D        PRIV PLAN HI- WHO COVERED- 1- 4
    xN049_1E        PRIV PLAN HI- WHO COVERED- 1- 5
    xN049_1F        PRIV PLAN HI- WHO COVERED- 1- 6
    xN049_2A        PRIV PLAN HI- WHO COVERED- 2- 1
    xN049_2B        PRIV PLAN HI- WHO COVERED- 2- 2
    xN049_2C        PRIV PLAN HI- WHO COVERED- 2- 3
    xN049_2D        PRIV PLAN HI- WHO COVERED- 2- 4
    xN049_3A        PRIV PLAN HI- WHO COVERED- 3- 1
    xN049_3B        PRIV PLAN HI- WHO COVERED- 3- 2
    xN049_3C        PRIV PLAN HI- WHO COVERED- 3- 2
    xN049_3D        PRIV PLAN HI- WHO COVERED- 3- 4
HRS 2004-2006:
    xN049_3F        PRIV PLAN HI- WHO COVERED- 3- 6
HRS 2016-2022:
    xN280_1         NAME PRIVATE HEALTH INSURANCE PLAN -1
    xN280_2         NAME PRIVATE HEALTH INSURANCE PLAN -2
    xN280_3         NAME PRIVATE HEALTH INSURANCE PLAN -3
    xN485_1         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 1
    xN485_2         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 2
    xN485_3         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 3
    xZ553_1         PRIVATE INSURANCE PLAN SOURCE - 1
    xZ553_2         PRIVATE INSURANCE PLAN SOURCE - 2
    xZ553_3         PRIVATE INSURANCE PLAN SOURCE - 3
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Exit Interview Variables

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HRS 1994:
    W6705           R2-1.COVERED BY SAME POL
    W6706           R2a-1.WHO PROVIDED HEALT
    W6707           R2b-1.STILL COVERED BY W
    W6708           R2-2a.STILL COVERED BY S
    W6709           R2-2b.STILL COVERED BY S
    W6724           R4.CURRENT HEALTH INS FR
    W6725           R4a.# HEALTH INS PLANS F
    W6726           P1. R5.HOW OBTAINED
    W6740           P2. R5.HOW OBTAINED
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AHEAD 1995:
    N5339           R9.OTHER HEALTH INSURANCE
    N5340           R9a.# OTHER HEALTH INS
    N5341M1         R10d.HOW OBTAIN OTHER HMO-1
    N5341M2         R10d.HOW OBTAIN OTHER HMO-1
    N5362M1         R11d.HOW OBTAIN OTHER HMO-1
    N5362M2         R11d.HOW OBTAIN OTHER HMO-1
HRS 1996:
    P2231           R9. OTHER HEALTH INSURANCE
    P2232           R9a.# OTHER HEALTH INS
    P2233M1         R10d. HOW OBTAIN OTHER HMO-1
    P2233M2         R10d. HOW OBTAIN OTHER HMO-1
    P2254M1         R11d. HOW OBTAIN OTHER HMO-1
    P2254M2         R11d. HOW OBTAIN OTHER HMO-1
HRS 1998:
    Q2585           R13.ANY INSURANCE FOR HOSP/DR BILLS
    Q2586           R14.NUMBER OF PLANS
HRS 2000:
    R2611           R12aa.SELF-EMP INSURANCE
    R2613           R13.ANY INSURANCE THRU AN EMPLOYER
    R2616           R15.HOW OBTAIN INSURANCE
HRS 2016:
    ZN280_1         NAME PRIVATE HEALTH INSURANCE PLAN -1
    ZN280_2         NAME PRIVATE HEALTH INSURANCE PLAN -2
    ZN280_3         NAME PRIVATE HEALTH INSURANCE PLAN -3
    ZN485_1         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 1
    ZN485_2         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 2
    ZN485_3         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 3
HRS 2002-2022:
    xN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    xN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    xN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    xN035_1         OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
    xN035_2         OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
    xN035_3         OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
    xN036_1         OBTAIN INS THRU HWP FORMER EMPLOYER- 1
    xN036_2         OBTAIN INS THRU HWP FORMER EMPLOYER- 2
    xN036_3         OBTAIN INS THRU HWP FORMER EMPLOYER- 3
    xN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    xN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    xN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
HRS 2004-2022:
    xN034_1         OBTAIN INS THRU FORMER EMPLOYER -1
    xN034_2         OBTAIN INS THRU FORMER EMPLOYER -2
    xN034_3         OBTAIN INS THRU FORMER EMPLOYER -3
```

Tracker Variables

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Tracker:
    AFINR               WHETHER FINANCIAL RESPONDENT
```

Plan-specific employer-provided health insurance: Coverage in retirement

Wave	Variable	Label	Type
1	R1HERTR1	R1HERTR1:W1 R coverage by R in retirement #1	Categ
2	R2HERTR1	R2HERTR1:W2 R coverage by R in retirement #1	Categ
3	R3HERTR1	R3HERTR1:W3 R coverage by R in retirement #1	Categ
4	R4HERTR1	R4HERTR1:W4 R coverage by R in retirement #1	Categ
5	R5HERTR1	R5HERTR1:W5 R coverage by R in retirement #1	Categ
6	R6HERTR1	R6HERTR1:W6 R coverage by R in retirement #1	Categ
7	R7HERTR1	R7HERTR1:W7 R coverage by R in retirement #1	Categ
8	R8HERTR1	R8HERTR1:W8 R coverage by R in retirement #1	Categ
9	R9HERTR1	R9HERTR1:W9 R coverage by R in retirement #1	Categ
10	R10HERTR1	R10HERTR1:W10 R coverage by R in retirement #1	Categ
11	R11HERTR1	R11HERTR1:W11 R coverage by R in retirement #1	Categ
12	R12HERTR1	R12HERTR1:W12 R coverage by R in retirement #1	Categ
13	R13HERTR1	R13HERTR1:W13 R coverage by R in retirement #1	Categ
14	R14HERTR1	R14HERTR1:W14 R coverage by R in retirement #1	Categ
15	R15HERTR1	R15HERTR1:W15 R coverage by R in retirement #1	Categ
16	R16HERTR1	R16HERTR1:W16 R coverage by R in retirement #1	Categ
1	S1HERTR1	S1HERTR1:W1 R coverage by Sp in retirement #1	Categ
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16	S16HERTR1	S16HERTR1:W16 R coverage by Sp in retirement #1	Categ
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16	S16HERTR2	S16HERTR2:W16 R coverage by Sp in retirement #2	Categ
6	R6HERTR3	R6HERTR3:W6 R coverage by R in retirement #3	Categ
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16	S16HERTR3	S16HERTR3:W16 R coverage by Sp in retirement #3	Categ
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2	R2HERTS1	R2HERTS1:W2 Sp coverage by R in retirement #1	Categ
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6	R6HERTS1	R6HERTS1:W6 Sp coverage by R in retirement #1	Categ
7	R7HERTS1	R7HERTS1:W7 Sp coverage by R in retirement #1	Categ
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9	R9HERTS1	R9HERTS1:W9 Sp coverage by R in retirement #1	Categ
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12	R12HERTS1	R12HERTS1:W12 Sp coverage by R in retirement #1	Categ
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16	R16HERTS1	R16HERTS1:W16 Sp coverage by R in retirement #1	Categ
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2	S2HERTS1	S2HERTS1:W2 Sp coverage by Sp in retirement #1	Categ
3	S3HERTS1	S3HERTS1:W3 Sp coverage by Sp in retirement #1	Categ
4	S4HERTS1	S4HERTS1:W4 Sp coverage by Sp in retirement #1	Categ
5	S5HERTS1	S5HERTS1:W5 Sp coverage by Sp in retirement #1	Categ
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1	R1HERTS2	R1HERTS2:W1 Sp coverage by R in retirement #2	Categ
2	R2HERTS2	R2HERTS2:W2 Sp coverage by R in retirement #2	Categ
6	R6HERTS2	R6HERTS2:W6 Sp coverage by R in retirement #2	Categ
7	R7HERTS2	R7HERTS2:W7 Sp coverage by R in retirement #2	Categ
8	R8HERTS2	R8HERTS2:W8 Sp coverage by R in retirement #2	Categ
9	R9HERTS2	R9HERTS2:W9 Sp coverage by R in retirement #2	Categ
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11	R11HERTS2	R11HERTS2:W11 Sp coverage by R in retirement #2	Categ
12	R12HERTS2	R12HERTS2:W12 Sp coverage by R in retirement #2	Categ
13	R13HERTS2	R13HERTS2:W13 Sp coverage by R in retirement #2	Categ
14	R14HERTS2	R14HERTS2:W14 Sp coverage by R in retirement #2	Categ
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16	R16HERTS2	R16HERTS2:W16 Sp coverage by R in retirement #2	Categ
1	S1HERTS2	S1HERTS2:W1 Sp coverage by Sp in retirement #2	Categ
2	S2HERTS2	S2HERTS2:W2 Sp coverage by Sp in retirement #2	Categ
3	S3HERTS2	S3HERTS2:W3 Sp coverage by Sp in retirement #2	Categ
6	S6HERTS2	S6HERTS2:W6 Sp coverage by Sp in retirement #2	Categ
7	S7HERTS2	S7HERTS2:W7 Sp coverage by Sp in retirement #2	Categ
8	S8HERTS2	S8HERTS2:W8 Sp coverage by Sp in retirement #2	Categ
9	S9HERTS2	S9HERTS2:W9 Sp coverage by Sp in retirement #2	Categ

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10    S10HERTS2           S10HERTS2:W10 Sp coverage by Sp in retirement #2                 Categ
11    S11HERTS2           S11HERTS2:W11 Sp coverage by Sp in retirement #2                 Categ
12    S12HERTS2           S12HERTS2:W12 Sp coverage by Sp in retirement #2                 Categ
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16    S16HERTS2           S16HERTS2:W16 Sp coverage by Sp in retirement #2                 Categ

 6    R6HERTS3            R6HERTS3:W6 Sp coverage by R in retirement #3                    Categ
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 8    R8HERTS3            R8HERTS3:W8 Sp coverage by R in retirement #3                    Categ
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 2    R2HERET             R2HERET:W2 R covered in retirement /summary                      Categ
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12    R12HERET            R12HERET:W12 R covered in retirement /summary                    Categ
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15    S15HERET            S15HERET:W15 S covered in retirement /summary                    Categ
16    S16HERET            S16HERET:W16 S covered in retirement /summary                    Categ
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Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HERTR1	6812	3.34	1.48	0.0	4.0
R2HERTR1	6193	3.36	1.47	0.0	4.0
R3HERTR1	3646	1.28	0.96	0.0	2.0
R4HERTR1	4224	1.26	0.97	0.0	2.0
R5HERTR1	3737	1.37	1.27	0.0	3.0
R6HERTR1	3001	1.43	1.27	0.0	3.0
R7HERTR1	3701	1.23	1.25	0.0	3.0
R8HERTR1	2855	1.29	1.26	0.0	3.0
R9HERTR1	2360	1.22	1.24	0.0	3.0
R10HERTR1	4037	0.96	1.19	0.0	3.0
R11HERTR1	3520	0.93	1.19	0.0	3.0
R12HERTR1	2920	1.03	1.24	0.0	3.0
R13HERTR1	3517	0.86	1.18	0.0	3.0
R14HERTR1	2849	0.86	1.18	0.0	3.0
R15HERTR1	2278	0.88	1.19	0.0	3.0
R16HERTR1	2273	0.88	1.20	0.0	3.0
S1HERTR1	3061	3.55	1.26	0.0	4.0
S2HERTR1	4816	3.50	1.32	0.0	4.0
S5HERTR1	1039	2.03	1.12	0.0	3.0
S6HERTR1	2079	1.23	1.33	0.0	3.0
S7HERTR1	2462	0.98	1.27	0.0	3.0
S8HERTR1	241	1.39	1.29	0.0	3.0
S9HERTR1	197	1.47	1.29	0.0	3.0
S10HERTR1	247	1.22	1.26	0.0	3.0
S11HERTR1	237	1.22	1.23	0.0	3.0
S12HERTR1	605	1.59	1.28	0.0	3.0
S13HERTR1	716	1.36	1.28	0.0	3.0
S14HERTR1	599	1.44	1.27	0.0	3.0
S15HERTR1	269	1.53	1.26	0.0	3.0
S16HERTR1	277	1.33	1.27	0.0	3.0
R1HERTR2	549	3.49	1.34	0.0	4.0
R2HERTR2	68	3.00	1.74	0.0	4.0
R3HERTR2	196	1.15	0.99	0.0	2.0
R6HERTR2	137	1.39	1.20	0.0	3.0
R7HERTR2	201	1.29	1.24	0.0	3.0
R8HERTR2	142	1.10	1.19	0.0	3.0
R9HERTR2	106	1.11	1.24	0.0	3.0
R10HERTR2	202	1.02	1.18	0.0	3.0
R11HERTR2	140	1.17	1.27	0.0	3.0
R12HERTR2	155	1.19	1.28	0.0	3.0
R13HERTR2	183	1.28	1.33	0.0	3.0
R14HERTR2	136	1.29	1.29	0.0	3.0
R15HERTR2	118	1.16	1.26	0.0	3.0
R16HERTR2	158	1.09	1.25	0.0	3.0
S1HERTR2	283	3.46	1.37	0.0	4.0
S2HERTR2	56	3.07	1.70	0.0	4.0
S6HERTR2	99	1.08	1.24	0.0	3.0
S7HERTR2	145	0.80	1.18	0.0	3.0
S8HERTR2	9	1.44	1.13	0.0	3.0
S9HERTR2	9	1.22	1.30	0.0	3.0
S10HERTR2	19	0.89	1.24	0.0	3.0
S11HERTR2	14	1.21	1.31	0.0	3.0
S12HERTR2	28	1.46	1.40	0.0	3.0

S13HERTR2	48	1.79	1.35	0.0	3.0
S14HERTR2	39	1.79	1.24	0.0	3.0
S15HERTR2	20	1.45	1.19	0.0	3.0
S16HERTR2	17	1.41	1.28	0.0	3.0
R6HERTR3	19	0.95	1.18	0.0	3.0
R7HERTR3	34	0.76	0.99	0.0	3.0
R8HERTR3	26	0.62	1.02	0.0	3.0
R9HERTR3	22	0.68	0.95	0.0	3.0
R10HERTR3	55	1.16	1.27	0.0	3.0
R11HERTR3	32	0.97	1.28	0.0	3.0
R12HERTR3	58	1.12	1.27	0.0	3.0
R13HERTR3	72	1.10	1.28	0.0	3.0
R14HERTR3	52	0.96	1.24	0.0	3.0
R15HERTR3	43	1.21	1.34	0.0	3.0
R16HERTR3	57	0.89	1.22	0.0	3.0
S6HERTR3	12	0.83	1.34	0.0	3.0
S7HERTR3	23	0.52	1.04	0.0	3.0
S8HERTR3	1	0.00	.	0.0	0.0
S10HERTR3	3	1.33	1.53	0.0	3.0
S11HERTR3	1	0.00	.	0.0	0.0
S12HERTR3	10	1.50	1.35	0.0	3.0
S13HERTR3	19	1.89	1.15	0.0	3.0
S14HERTR3	9	1.89	1.27	0.0	3.0
S15HERTR3	5	2.20	1.10	1.0	3.0
S16HERTR3	6	1.83	1.33	0.0	3.0
R1HERTS1	5447	3.52	1.30	0.0	4.0
R2HERTS1	4996	3.50	1.33	0.0	4.0
R5HERTS1	1066	2.03	1.12	0.0	3.0
R6HERTS1	2111	1.23	1.33	0.0	3.0
R7HERTS1	2529	0.98	1.27	0.0	3.0
R8HERTS1	245	1.39	1.30	0.0	3.0
R9HERTS1	206	1.47	1.29	0.0	3.0
R10HERTS1	265	1.19	1.25	0.0	3.0
R11HERTS1	248	1.23	1.23	0.0	3.0
R12HERTS1	654	1.59	1.28	0.0	3.0
R13HERTS1	797	1.32	1.28	0.0	3.0
R14HERTS1	692	1.44	1.27	0.0	3.0
R15HERTS1	306	1.50	1.27	0.0	3.0
R16HERTS1	364	1.39	1.28	0.0	3.0
S1HERTS1	3634	3.28	1.54	0.0	4.0
S2HERTS1	5073	3.43	1.40	0.0	4.0
S3HERTS1	2711	1.29	0.96	0.0	2.0
S4HERTS1	3136	1.26	0.96	0.0	2.0
S5HERTS1	2812	1.40	1.28	0.0	3.0
S6HERTS1	2237	1.45	1.28	0.0	3.0
S7HERTS1	2704	1.22	1.25	0.0	3.0
S8HERTS1	2085	1.29	1.26	0.0	3.0
S9HERTS1	1720	1.21	1.23	0.0	3.0
S10HERTS1	2696	0.96	1.20	0.0	3.0
S11HERTS1	2363	0.91	1.18	0.0	3.0
S12HERTS1	1929	0.99	1.23	0.0	3.0
S13HERTS1	2204	0.84	1.17	0.0	3.0
S14HERTS1	1716	0.83	1.16	0.0	3.0
S15HERTS1	1355	0.85	1.17	0.0	3.0
S16HERTS1	1226	0.87	1.18	0.0	3.0

R1HERTS2	493	3.59	1.22	0.0	4.0
R2HERTS2	66	3.09	1.69	0.0	4.0
R6HERTS2	99	1.08	1.24	0.0	3.0
R7HERTS2	147	0.79	1.17	0.0	3.0
R8HERTS2	9	1.44	1.13	0.0	3.0
R9HERTS2	9	1.22	1.30	0.0	3.0
R10HERTS2	19	0.89	1.24	0.0	3.0
R11HERTS2	14	1.21	1.31	0.0	3.0
R12HERTS2	31	1.52	1.36	0.0	3.0
R13HERTS2	52	1.73	1.36	0.0	3.0
R14HERTS2	45	1.96	1.22	0.0	3.0
R15HERTS2	20	1.45	1.19	0.0	3.0
R16HERTS2	22	1.41	1.22	0.0	3.0
S1HERTS2	262	3.65	1.13	0.0	4.0
S2HERTS2	54	3.11	1.68	0.0	4.0
S3HERTS2	150	1.13	0.99	0.0	2.0
S6HERTS2	104	1.48	1.21	0.0	3.0
S7HERTS2	154	1.19	1.22	0.0	3.0
S8HERTS2	113	1.00	1.16	0.0	3.0
S9HERTS2	86	1.12	1.24	0.0	3.0
S10HERTS2	137	0.96	1.17	0.0	3.0
S11HERTS2	93	1.12	1.28	0.0	3.0
S12HERTS2	98	1.09	1.29	0.0	3.0
S13HERTS2	121	1.20	1.35	0.0	3.0
S14HERTS2	77	1.23	1.30	0.0	3.0
S15HERTS2	73	1.12	1.24	0.0	3.0
S16HERTS2	84	1.08	1.26	0.0	3.0
R6HERTS3	12	0.83	1.34	0.0	3.0
R7HERTS3	23	0.52	1.04	0.0	3.0
R8HERTS3	1	0.00	.	0.0	0.0
R10HERTS3	3	1.33	1.53	0.0	3.0
R11HERTS3	1	0.00	.	0.0	0.0
R12HERTS3	10	1.50	1.35	0.0	3.0
R13HERTS3	21	1.95	1.12	0.0	3.0
R14HERTS3	11	1.82	1.33	0.0	3.0
R15HERTS3	5	2.20	1.10	1.0	3.0
R16HERTS3	7	1.57	1.40	0.0	3.0
S6HERTS3	14	0.86	1.29	0.0	3.0
S7HERTS3	24	0.79	1.02	0.0	3.0
S8HERTS3	23	0.70	1.06	0.0	3.0
S9HERTS3	17	0.71	1.05	0.0	3.0
S10HERTS3	37	1.03	1.17	0.0	3.0
S11HERTS3	21	0.95	1.36	0.0	3.0
S12HERTS3	35	1.00	1.33	0.0	3.0
S13HERTS3	44	0.95	1.20	0.0	3.0
S14HERTS3	27	0.93	1.33	0.0	3.0
S15HERTS3	24	1.25	1.36	0.0	3.0
S16HERTS3	27	1.00	1.24	0.0	3.0
R1HERET	6996	3.51	1.32	0.0	4.0
R2HERET	6362	3.54	1.27	0.0	4.0
R3HERET	3681	1.29	0.96	0.0	2.0
R4HERET	4224	1.26	0.97	0.0	2.0
R5HERET	3626	1.91	1.14	0.0	3.0
R6HERET	3503	1.85	1.18	0.0	3.0

R7HERET	3974	1.69	1.20	0.0	3.0
R8HERET	2252	1.73	1.17	0.0	3.0
R9HERET	1860	1.66	1.18	0.0	3.0
R10HERET	2962	1.41	1.21	0.0	3.0
R11HERET	2580	1.38	1.22	0.0	3.0
R12HERET	2468	1.57	1.24	0.0	3.0
R13HERET	2852	1.40	1.26	0.0	3.0
R14HERET	2389	1.37	1.26	0.0	3.0
R15HERET	1772	1.36	1.25	0.0	3.0
R16HERET	1779	1.32	1.26	0.0	3.0
S1HERET	6043	3.58	1.22	0.0	4.0
S2HERET	5446	3.62	1.17	0.0	4.0
S3HERET	2745	1.30	0.95	0.0	2.0
S4HERET	3136	1.26	0.96	0.0	2.0
S5HERET	2747	2.11	1.02	0.0	3.0
S6HERET	2767	1.97	1.14	0.0	3.0
S7HERET	3048	1.82	1.17	0.0	3.0
S8HERET	1518	1.91	1.08	0.0	3.0
S9HERET	1254	1.82	1.10	0.0	3.0
S10HERET	1723	1.66	1.15	0.0	3.0
S11HERET	1489	1.62	1.16	0.0	3.0
S12HERET	1582	1.79	1.17	0.0	3.0
S13HERET	1731	1.67	1.20	0.0	3.0
S14HERET	1468	1.60	1.22	0.0	3.0
S15HERET	987	1.61	1.21	0.0	3.0
S16HERET	960	1.60	1.21	0.0	3.0

Categorical Variable Codes

RwHERTR1: R coverage by R in retirement #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older			426	2246	2321	2583	2497	2393	2205	2021
.D=DK	917	741	212	282	317	255	284	277	174	287
.H=Source missing,question	96	93	475	697	110	201	195	153	168	553
.J=Web interview, missing										
.M=Oth missing	841	938	472	130	13	214	269	196	138	229
.N=No respondent employer-p	3952	3429	5731	13378	9592	9037	9996	9736	9757	12048
.Q=Not asked this wv		8222	7027							
.R=RF	34	26	2	1		2	1			1
.S=Skip,question not asked				426	3488	2872	3186	2859	2415	2858
0.Not covrd in ret	1120	993	1306	1572	1352	1003	1501	1119	953	2089
1.Covrd just to age 65					879	748	909	660	589	879
2.Covrd to age 65, DK over			2340	2652	272	204	232	207	157	202
3.Covrd to and over age 65					1234	1046	1059	869	661	867
4.Covers retirees (W1&2)	5692	5200								

Value	w11	w12	w13	w14	w15	w16
.A=Age is 65 or older	1822	1673	1340	1165	1163	1112
.D=DK	162	132	160	97	96	117
.H=Source missing,question	304	344	653	396	557	514
.J=Web interview, missing				16	12	9
.M=Oth missing	205	147	145	88	67	69
.N=No respondent employer-p	12024	11427	12660	10948	10187	10443
.Q=Not asked this wv						

.R=RF	1		2	3	1	
.S=Skip,question not asked	2516	2104	2437	1585	1360	1249
0.Not covrd in ret	1871	1484	2062	1649	1314	1332
1.Covrd just to age 65	761	579	592	500	387	350
2.Covrd to age 65, DK over	139	151	172	140	115	134
3.Covrd to and over age 65	749	706	691	560	462	457
4.Covers retirees (W1&2)						

SwHERTR1: R coverage by Sp in retirement #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older					1573	1342	1312	1628	1474	1359
.D=DK	360	467			66	214	234	55	40	38
.H=Source missing,question	18	20			45	91	68	57	70	263
.J=Web interview, missing										
.M=Oth missing	1102	1124			1892	637	710	2044	1599	2673
.N=No respondent employer-p	5713	2254			5196	4810	5458	5373	5305	6554
.Q=Not asked this wv		4549								
.R=RF	25	27				2	4			
.S=Skip,question not asked					2919	2457	2720	2334	1955	2374
.U=Unmarried	2373	6001			6537	6313	6781	6420	6212	7802
.V=Spouse NR		384			311	220	380	317	365	724
0.Not covrd in ret	342	602			112	984	1390	89	66	102
1.Covrd just to age 65					298	320	361	53	46	60
2.Covrd to age 65, DK over					77	94	87	16	12	14
3.Covrd to and over age 65					552	681	624	83	73	71
4.Covers retirees (W1&2)	2719	4214								

Value	w11	w12	w13	w14	w15	w16
.A=Age is 65 or older	1213	1059	885	765	730	708
.D=DK	29	49	80	62	25	36
.H=Source missing,question	127	157	309	180	255	175
.J=Web interview, missing				91	199	72
.M=Oth missing	2280	1394	1508	958	876	817
.N=No respondent employer-p	6522	6056	6425	5500	5071	4830
.Q=Not asked this wv						
.R=RF	1	1	1	1	2	
.S=Skip,question not asked	2067	1691	1848	1194	1036	921
.U=Unmarried	7481	7125	8031	6686	6207	6545
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Not covrd in ret	92	175	262	195	79	106
1.Covrd just to age 65	66	142	176	160	69	58
2.Covrd to age 65, DK over	13	42	36	27	21	28
3.Covrd to and over age 65	66	246	242	217	100	85
4.Covers retirees (W1&2)						

RwHERTR2: R coverage by R in retirement #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older			21			124	136	118	108	107
.D=DK	91	9	15			14	22	19	16	13
.H=Source missing,question	9	14	110			132	126	107	123	449
.J=Web interview, missing										
.M=Oth missing	189	54	34			8	16	9	11	19
.N=No respondent employer-p	6440	3381	4170			5845	6868	7029	7299	9609
.P=Only one plan carried fr		6615								
.Q=Not asked this wv		8222	7027							
.R=RF	3	1	2							
.S=Skip,question not asked						231	295	195	136	200
.X=No more plans	5371	1278	6416			11674	12465	10850	9418	11435
0.Not covrd in ret	70	17	83			41	74	61	48	92
1.Covrd just to age 65						42	54	38	25	59
2.Covrd to age 65, DK over			113			13	14	11	6	5
3.Covrd to and over age 65						41	59	32	27	46
4.Covers retirees (W1&2)	479	51								

Value	w11	w12	w13	w14	w15	w16
.A=Age is 65 or older	107	112	76	90	100	69
.D=DK	11	12	9	8	7	3
.H=Source missing,question	226	252	357	310	419	415
.J=Web interview, missing				3	2	1
.M=Oth missing	13	9	19	6	7	5
.N=No respondent employer-p	9695	8986	10199	8895	8368	8684
.P=Only one plan carried fr						
.Q=Not asked this wv						
.R=RF						
.S=Skip,question not asked	148	143	143	101	78	79
.X=No more plans	10214	9078	9926	7597	6624	6373
0.Not covrd in ret	62	69	82	56	52	76
1.Covrd just to age 65	32	32	28	26	28	32
2.Covrd to age 65, DK over	6	9	13	12	5	10
3.Covrd to and over age 65	40	45	60	42	33	40
4.Covers retirees (W1&2)						

SwHERTR2: R coverage by Sp in retirement #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older						64	76	80	77	80
.D=DK	39	15				10	20	7	4	1
.H=Source missing,question	1	8				60	52	50	54	219
.J=Web interview, missing										
.M=Oth missing	138	21				34	39	120	99	136
.N=No respondent employer-p	5713	2217				3037	3625	3756	3827	5109
.P=Only one plan carried fr		5393								
.Q=Not asked this wv		4549								
.R=RF	3									
.S=Skip,question not asked						217	271	177	116	162
.U=Unmarried	2373	5969				6313	6781	6420	6212	7802
.V=Spouse NR		384				220	380	317	365	724
.X=No more plans	4102	1030				8111	8740	7533	6454	7782
0.Not covrd in ret	38	13				48	89	2	4	11
1.Covrd just to age 65						19	24	3	1	3
2.Covrd to age 65, DK over						8	4	2	2	1
3.Covrd to and over age 65						24	28	2	2	4
4.Covers retirees (W1&2)	245	43								

Value	w11	w12	w13	w14	w15	w16

.A=Age is 65 or older	70	77	49	52	52	39
.D=DK	2	5	3	7	2	2
.H=Source missing,question	93	116	152	142	180	137
.J=Web interview, missing				11	9	5
.M=Oth missing	98	81	80	30	48	57
.N=No respondent employer-p	5149	4662	5076	4386	4149	3942
.P=Only one plan carried fr						
.Q=Not asked this wv						
.R=RF				1		
.S=Skip,question not asked	128	116	109	73	66	56
.U=Unmarried	7481	7125	8026	6679	6204	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.X=No more plans	6922	5927	6260	4616	3940	3585
0.Not covrd in ret	6	11	14	8	5	5
1.Covrd just to age 65	3	5	7	10	7	6
2.Covrd to age 65, DK over	1		2	3	2	
3.Covrd to and over age 65	4	12	25	18	6	6
4.Covers retirees (W1&2)						

RwHERTR3: R coverage by R in retirement #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older						10	13	8	12	9
.D=DK							3	5	4	8
.H=Source missing,question						129	123	98	123	446
.J=Web interview, missing										
.M=Oth missing							4	1	1	7
.N=No respondent employer-p						5644	6631	6873	7139	9449
.R=RF										
.S=Skip,question not asked						12	14	10	4	19
.X=No more plans						12351	13307	11448	9912	12041
0.Not covrd in ret						10	17	17	12	24
1.Covrd just to age 65						3	12	5	7	14
2.Covrd to age 65, DK over						3	1	1	1	1
3.Covrd to and over age 65						3	4	3	2	16

Value	w11	w12	w13	w14	w15	w16
.A=Age is 65 or older	15	20	20	19	20	23
.D=DK	2	4	6	2	2	6
.H=Source missing,question	223	244	328	294	402	396
.J=Web interview, missing				1		3
.M=Oth missing	5	1	5		2	1
.N=No respondent employer-p	9544	8816	10028	8745	8223	8543
.R=RF				1		
.S=Skip,question not asked	17	18	21	16	9	16
.X=No more plans	10716	9586	10432	8016	7022	6742
0.Not covrd in ret	18	27	35	28	20	33
1.Covrd just to age 65	5	13	15	10	8	9
2.Covrd to age 65, DK over	1	2	2	2	1	3
3.Covrd to and over age 65	8	16	20	12	14	12

SwHERTR3: R coverage by Sp in retirement #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older						5	4	6	10	11
.D=DK						1	2	1		
.H=Source missing,question						59	50	43	54	218
.J=Web interview, missing										
.M=Oth missing						3	9	25	20	39
.N=No respondent employer-p						2908	3486	3653	3724	5017
.S=Skip,question not asked						11	14	10	2	17
.U=Unmarried						6313	6781	6420	6212	7802
.V=Spouse NR						220	380	317	365	724
.X=No more plans						8633	9380	7993	6830	8203
0.Not covrd in ret						8	17	1		1
1.Covrd just to age 65						1	3			1
2.Covrd to age 65, DK over										
3.Covrd to and over age 65						3	3			1

Value	w11	w12	w13	w14	w15	w16
.A=Age is 65 or older	9	17	15	11	15	9
.D=DK		2	2	1	1	1
.H=Source missing,question	91	111	132	136	174	129
.J=Web interview, missing				5	2	3
.M=Oth missing	23	23	25	13	14	20
.N=No respondent employer-p	5077	4561	4981	4300	4053	3878
.S=Skip,question not asked	13	16	16	10	9	13
.U=Unmarried	7481	7125	8026	6678	6204	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.X=No more plans	7262	6272	6587	4873	4193	3781
0.Not covrd in ret	1	3	2	2		1
1.Covrd just to age 65		3	7	1	2	2
2.Covrd to age 65, DK over			1	2		
3.Covrd to and over age 65		4	9	4	3	3

RwHERTS1: Sp coverage by R in retirement #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older					1607	1368	1356	1677	1514	1412
.D=DK	554	489			68	220	244	55	42	38
.H=Source missing,question	17	23			53	96	77	63	73	312
.J=Web interview, missing										
.M=Oth missing	1402	1194			1952	665	751	2105	1666	2868
.N=No respondent employer-p	2822	2360			5314	4903	5602	5533	5505	6858
.Q=Not asked this wv		8222								
.R=RF	37	28				2	4			
.S=Skip,question not asked					2981	2494	2789	2374	2006	2485
.U=Unmarried	2373	2330			6537	6306	6777	6417	6205	7796
0.Not covrd in ret	658	629			115	996	1420	91	68	112
1.Covrd just to age 65					305	328	374	53	49	64
2.Covrd to age 65, DK over					80	99	94	16	13	16
3.Covrd to and over age 65					566	688	641	85	76	73
4.Covers retirees (W1&2)	4789	4367								

Value	w11	w12	w13	w14	w15	w16
.A=Age is 65 or older	1266	1101	928	848	818	799
.D=DK	29	51	95	69	28	49
.H=Source missing,question	147	171	405	208	312	247
.J=Web interview, missing				99	201	90
.M=Oth missing	2408	1501	1707	1112	1040	1020
.N=No respondent employer-p	6820	6362	6961	6043	5627	5565

.Q=Not asked this wv						
.R=RF	1	2	1	1	2	
.S=Skip,question not asked	2162	1780	2037	1376	1184	1101
.U=Unmarried	7473	7125	7981	6698	6205	6552
0.Not covrd in ret	96	189	302	223	94	133
1.Covrd just to age 65	69	156	194	190	77	78
2.Covrd to age 65, DK over	13	45	41	31	22	30
3.Covrd to and over age 65	70	264	260	248	113	123
4.Covers retirees (W1&2)						

SwHERTS1: Sp coverage by Sp in retirement #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older			375	1504	1528	1675	1606	1501	1362	1263
.D=DK	474	555	149	208	232	193	201	221	123	189
.H=Source missing,question	18	21	376	530	45	91	68	57	70	263
.J=Web interview, missing										
.M=Oth missing	420	817	362	98	9	173	214	161	108	173
.N=No respondent employer-p	5713	2254	4333	8175	5196	4816	5462	5375	5308	6558
.Q=Not asked this wv		4549	3704							
.R=RF	20	21	2	1		2				
.S=Skip,question not asked				328	2908	2452	2717	2335	1955	2371
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		384	322	536	311	220	380	317	365	724
0.Not covrd in ret	654	729	960	1154	994	746	1108	811	692	1402
1.Covrd just to age 65					661	547	670	497	443	579
2.Covrd to age 65, DK over			1751	1982	195	139	145	145	121	128
3.Covrd to and over age 65					962	805	781	632	464	587
4.Covers retirees (W1&2)	2980	4344								

Value	w11	w12	w13	w14	w15	w16
.A=Age is 65 or older	1135	984	792	655	644	582
.D=DK	114	83	88	50	51	65
.H=Source missing,question	127	157	309	180	256	175
.J=Web interview, missing				15	11	4
.M=Oth missing	154	112	79	47	35	37
.N=No respondent employer-p	6526	6056	6426	5500	5079	4830
.Q=Not asked this wv						
.R=RF				1	2	
.S=Skip,question not asked	2065	1691	1881	1194	1044	921
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Not covrd in ret	1267	1010	1295	1012	793	711
1.Covrd just to age 65	522	379	385	307	235	202
2.Covrd to age 65, DK over	84	92	106	80	67	75
3.Covrd to and over age 65	490	448	418	317	260	238
4.Covers retirees (W1&2)						

RwHERTS2: Sp coverage by R in retirement #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older						64	77	83	78	84
.D=DK	65	17				10	22	7	4	1
.H=Source missing,question	1	10				65	60	54	56	265
.J=Web interview, missing										
.M=Oth missing	201	44				35	40	121	101	141
.N=No respondent employer-p	5310	2317				3108	3732	3871	3979	5344
.P=Only one plan carried fr		5576								
.Q=Not asked this wv		8222								
.R=RF	4									
.S=Skip,question not asked						220	277	178	121	175
.U=Unmarried	2373	2283				6306	6777	6417	6205	7797
.X=No more plans	4205	1107				8258	8997	7729	6664	8208
0.Not covrd in ret	51	15				48	91	2	4	11
1.Covrd just to age 65						19	24	3	1	3
2.Covrd to age 65, DK over						8	4	2	2	1
3.Covrd to and over age 65						24	28	2	2	4
4.Covers retirees (W1&2)	442	51								

Value	w11	w12	w13	w14	w15	w16
.A=Age is 65 or older	72	83	53	58	60	51
.D=DK	2	5	5	7	2	3
.H=Source missing,question	111	128	199	169	226	197
.J=Web interview, missing				9	12	5
.M=Oth missing	106	84	89	37	55	65
.N=No respondent employer-p	5391	4894	5500	4825	4584	4522
.P=Only one plan carried fr						
.Q=Not asked this wv						
.R=RF				1		
.S=Skip,question not asked	134	124	121	87	71	69
.U=Unmarried	7473	7125	8020	6684	6194	6545
.X=No more plans	7251	6273	6873	5224	4499	4308
0.Not covrd in ret	6	11	16	8	5	6
1.Covrd just to age 65	3	6	8	10	7	8
2.Covrd to age 65, DK over	1	1	2	3	2	1
3.Covrd to and over age 65	4	13	26	24	6	7
4.Covers retirees (W1&2)						

SwHERTS2: Sp coverage by Sp in retirement #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older			19			86	95	79	79	71
.D=DK	35	7	10			11	18	18	16	10
.H=Source missing,question	1	8	58			60	52	50	54	219
.J=Web interview, missing										
.M=Oth missing	164	30	25			6	13	7	9	18
.N=No respondent employer-p	5713	2217	2888			3043	3629	3758	3830	5112
.P=Only one plan carried fr		5394								
.Q=Not asked this wv		4549	3704							
.R=RF	2	1	1							
.S=Skip,question not asked						217	271	176	115	162
.U=Unmarried	2373	5968	5657			6306	6777	6417	6206	7797
.V=Spouse NR		384	322			220	380	317	365	724
.X=No more plans	4102	1030	5157			8112	8740	7534	6457	7784
0.Not covrd in ret	23	12	65			28	61	53	39	66
1.Covrd just to age 65						32	44	29	20	39
2.Covrd to age 65, DK over			85			10	8	9	5	3
3.Covrd to and over age 65						34	41	22	22	29
4.Covers retirees (W1&2)	239	42								

Value	w11	w12	w13	w14	w15	w16
.A=Age is 65 or older	73	75	45	48	52	34
.D=DK	8	11	4	7	4	
.H=Source missing,question	93	116	152	142	181	137
.J=Web interview, missing				3	1	
.M=Oth missing	11	7	9	5	2	2
.N=No respondent employer-p	5154	4662	5077	4386	4157	3942
.P=Only one plan carried fr						
.Q=Not asked this wv						
.R=RF						
.S=Skip,question not asked	127	116	111	74	65	56
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.X=No more plans	6925	5927	6260	4616	3942	3585
0.Not covrd in ret	44	50	61	34	32	42
1.Covrd just to age 65	20	16	14	14	19	14
2.Covrd to age 65, DK over	3	5	7	6	3	7
3.Covrd to and over age 65	26	27	39	23	19	21
4.Covers retirees (W1&2)						

RwHERTS3: Sp coverage by R in retirement #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older						5	4	6	11	11
.D=DK						1	2	1		
.H=Source missing,question						64	58	47	56	264
.J=Web interview, missing										
.M=Oth missing						3	9	25	20	40
.N=No respondent employer-p						2977	3586	3765	3873	5248
.S=Skip,question not asked						11	14	10	2	19
.U=Unmarried						6306	6777	6417	6205	7797
.X=No more plans						8786	9656	8197	7050	8652
0.Not covrd in ret						8	17	1		1
1.Covrd just to age 65						1	3			1
2.Covrd to age 65, DK over										
3.Covrd to and over age 65						3	3			1

Value	w11	w12	w13	w14	w15	w16
.A=Age is 65 or older	10	17	17	12	15	13
.D=DK		2	2	1	1	1
.H=Source missing,question	109	123	172	159	216	188
.J=Web interview, missing				4	4	4
.M=Oth missing	25	23	29	18	14	22
.N=No respondent employer-p	5314	4787	5400	4729	4486	4442
.S=Skip,question not asked	15	17	20	13	9	15
.U=Unmarried	7473	7125	8024	6683	6194	6545
.X=No more plans	7607	6643	7227	5516	4779	4550
0.Not covrd in ret	1	3	2	3		2
1.Covrd just to age 65		3	7	1	2	2
2.Covrd to age 65, DK over			2	2		
3.Covrd to and over age 65		4	10	5	3	3

SwHERTS3: Sp coverage by Sp in retirement #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older						7	9	4	8	4
.D=DK							2	5	4	7
.H=Source missing,question						59	50	43	54	218
.J=Web interview, missing										
.M=Oth missing							3	1	1	5
.N=No respondent employer-p						2914	3490	3655	3727	5020
.R=RF										
.S=Skip,question not asked						11	14	10	2	17
.U=Unmarried						6306	6777	6417	6206	7797
.V=Spouse NR						220	380	317	365	724
.X=No more plans						8634	9380	7994	6833	8205
0.Not covrd in ret						9	12	14	10	16
1.Covrd just to age 65						1	8	5	4	12
2.Covrd to age 65, DK over						1	1	1	1	1
3.Covrd to and over age 65						3	3	3	2	8

Value	w11	w12	w13	w14	w15	w16
.A=Age is 65 or older	7	13	13	9	12	7
.D=DK	1	4	4	1	1	3
.H=Source missing,question	91	111	132	136	175	129
.J=Web interview, missing				1		1
.M=Oth missing	4		1			1
.N=No respondent employer-p	5081	4561	4982	4300	4059	3878
.R=RF				1		
.S=Skip,question not asked	13	16	16	10	9	13

.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.X=No more plans	7266	6272	6587	4873	4197	3781
0.Not covrd in ret	13	20	22	17	11	14
1.Covrd just to age 65	2	5	12	2	4	5
2.Covrd to age 65, DK over				1	1	2
3.Covrd to and over age 65	6	10	10	7	8	6

RwHERET: R covered in retirement /summary

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older			436	2246	1784	1779	1706	1926	1812	1725
.D=DK	782	584	215	282	115	152	163	119	94	134
.H=Source missing,question	93	78	483	697	93	226	220	166	185	550
.J=Web interview, missing										
.M=Oth missing	1246	1228	476	130	3240	2712	2891	3819	3195	4236
.N=No respondent employer-p	3504	2916	5671	13378	8708	8078	8879	8642	8682	10566
.P=Only one plan carried fr		87								
.Q=Not asked this wv		8222	7027							
.R=RF	31	24	2	1			2			1
.S=Skip,question not asked				426	1872	1616	2119	1355	1167	1472
.V=Spouse NR		141			140	99	175	190	222	388
0.Not covrd in ret	865	730	1299	1572	473	588	826	409	369	878
1.Covrd just to age 65					1103	1001	1201	706	613	932
2.Covrd to age 65, DK over			2382	2652	335	273	313	214	161	219
3.Covrd to and over age 65					1715	1641	1634	923	717	933
4.Covers retirees (W1&2)	6131	5632								

Value	w11	w12	w13	w14	w15	w16
.A=Age is 65 or older	1570	1516	1276	1173	1159	1128
.D=DK	86	92	109	59	62	74
.H=Source missing,question	353	396	673	450	608	529
.J=Web interview, missing				189	303	204
.M=Oth missing	3530	2571	2712	1772	1611	1566
.N=No respondent employer-p	10604	10096	10963	9369	8652	8856
.P=Only one plan carried fr						
.Q=Not asked this wv						
.R=RF	2		1	2	2	1
.S=Skip,question not asked	1472	1237	1646	1054	892	753
.V=Spouse NR	357	371	680	689	662	897
0.Not covrd in ret	800	655	970	828	623	673
1.Covrd just to age 65	815	683	725	618	453	408
2.Covrd to age 65, DK over	154	195	209	164	130	156
3.Covrd to and over age 65	811	935	948	779	566	542
4.Covers retirees (W1&2)						

SwHERET: S covered in retirement /summary

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older			385	1504	1035	898	861	1074	1010	1018
.D=DK	581	427	151	208	40	97	91	66	47	53
.H=Source missing,question	14	17	383	530	36	119	98	74	89	306
.J=Web interview, missing										
.M=Oth missing	1239	1175	366	98	3280	2684	2859	3841	3224	4345
.N=No respondent employer-p	2374	1848	4276	8175	4430	3964	4505	4448	4438	5391
.P=Only one plan carried fr		75								
.Q=Not asked this wv		4549	3704							
.R=RF	28	21	2	1			1			
.S=Skip,question not asked				328	1352	1231	1721	873	755	1094
.U=Unmarried	2373	5956	5657	6868	6537	6306	6777	6417	6205	7796
.V=Spouse NR		128	322	536	121	99	168	158	195	308
0.Not covrd in ret	632	518	958	1154	137	344	476	141	140	298
1.Covrd just to age 65					892	805	975	540	468	631
2.Covrd to age 65, DK over			1787	1982	261	213	229	154	125	146
3.Covrd to and over age 65					1457	1405	1368	683	521	648
4.Covers retirees (W1&2)	5411	4928								

Value	w11	w12	w13	w14	w15	w16
.A=Age is 65 or older	928	871	771	731	707	691
.D=DK	48	49	54	27	26	40
.H=Source missing,question	195	221	422	258	361	256
.J=Web interview, missing				190	311	210
.M=Oth missing	3600	2623	2827	1886	1736	1722
.N=No respondent employer-p	5407	5044	5278	4478	4110	3995
.P=Only one plan carried fr						
.Q=Not asked this wv						
.R=RF	1		1	1	1	
.S=Skip,question not asked	1117	914	1287	849	726	608
.U=Unmarried	7473	7125	7969	6678	6191	6541
.V=Spouse NR	296	318	572	580	567	764
0.Not covrd in ret	272	260	367	350	227	230
1.Covrd just to age 65	573	496	530	447	304	278
2.Covrd to age 65, DK over	95	135	146	105	83	100
3.Covrd to and over age 65	549	691	688	566	373	352
4.Covers retirees (W1&2)						

How Constructed

RwHERTRx indicates whether the Respondent's employer-provided health insurance covers the Respondent in retirement. RwHERTSx indicates whether the Respondent's employer-provided health insurance covers the spouse in retirement. The questions about coverage in retirement are only asked if the Respondent is covered by the Respondent's current or previous employer.

In Waves 1 and 2H, this is taken from the question that asks whether the plan covers retirees. In Wave 3H and from Wave 4 forward, it is taken from a question that asks about coverage up to age 65. And from Wave 5 forward, an additional question asking about coverage after 65 is used.

SwHERTRx and SwHERTSx indicate whether health insurance from the employer of the Respondent's spouse or partner covers the Respondent or spouse in retirement, respectively.

RwHERET summarizes whether the Respondent is covered in retirement under any plan, either their own or the spouse's. SwHERET summarizes whether the spouse is covered in retirement under any plan.

The number of insurance plans about which information is gathered varies across waves. In Wave 1, a question asks if the plan

covers retirees, for each plan.

In Wave 2H, if the Respondent indicates that they are still covered by their own employer-provided health plan reported in Wave 1, the Wave 1 information is assumed to be correct for Wave 2H as well, i.e., R2HERTR1 is set to R1HERTRx, where 'x' is the first plan that agrees with the source of coverage presented in Wave 2H. If Wave 2H employer-provided health insurance is not a continuation of the preloaded Wave 1 coverage, the Wave 2H question about whether the plan covers retirees is used to set R2HERTRx. We cannot tell from these questions if the Respondent is covered up to 65 or after 65 so we created a separate category for Wave 1 and 2, "Covers Retirees."

In Wave 3H and from Wave 4 forward, this question is no longer asked. In Wave 3H and from Wave 4 forward, another question asks if the plan would cover the Respondent up to age 65. If coverage can continue to age 65 in Waves 3H or 4, then RwHERTRx is set to "Covered now and to age 65, DK over age 65."

From Wave 5 forward, an additional question asks if the plan would cover the Respondent after age 65, allowing for additional categories for RwHERTRx: "Only covered to age 65," "Covered up to and after age 65," or "Covered up to age 65, dk after 65." It is not possible for the Respondent to report being covered after 65 if they are not covered up to 65.

If the Respondent is already 65 then RwHERTRx is set to .A - already 65, and if the plan(s) are not from the Respondent's current or previous employer, RwHERTRx is set to .N - No employer-provided insurance. In Wave 5, if the Respondent is self-employed they are not asked any retirement questions and so they are set to .S - question not asked.

Similar questions ask if the spouse is covered in retirement by the Respondent's plan and RwHERTSx is assigned from these questions the same way as described above. The spouse question is in the Waves 3H and 4 questionnaire but no data are collected. In Waves 2A and 3A, retirement questions are not asked. Since no information is available in Waves 3 and 4, we do not include RwHERTSx variables in these waves. In Wave 2A, R2HERTSx is set to special missing values .Q - no information is available this wave.

SwHERTRx for Wave 1 is taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then S1HERTRx is the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then S1HERTRx is the Financial Respondent's information.

From Wave 2 on, this information is taken from the spouse's self-reported RwHERTRx and RwHERTSx variable, if available, and assigned to SwHERTSx and SwHERTRx, respectively. If the Respondent is not married, SwHERTRx and SwHERTSx are set to .U=unmarried. If the Respondent's spouse did not respond then SwHERTRx and SwHERTSx are set to .V=Spouse is non-response.

RwHERET is the maximum retirement coverage reported for the Respondent, derived by examining all RwHERTRx and SwHERTRx variables. If any of these variables are missing values besides .N for no coverage, .X for no more plans, or .U for unmarried, then RwHERET is set to missing. If only one type of missing value is observed then that is the missing value assigned to RwHERET. If more than one type of missing value is observed, then RwHERET is set to .M.

SwHERET is the maximum retirement coverage reported for the spouse, derived by examining all RwHERTSx and SwHERTSx variables. SwHERET is set to missing values in the same way as RwHERET is. Note that in Waves 3 and 4, SwHERET is based only on the spouse's responses with regard to the insurance coverage they provide, because there are not RwHERTSx variables.

Cross Wave Differences in Original HRS Data

In Wave 1, the health insurance questions are asked only of the Financial Respondent, about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only. Please see the description of cross-wave differences for "Source of insurance and who is covered" for details on how those questions varied over time.

In Wave 1, for each plan, a question asks: "Is this health plan available to people who retire?" and "Can the spouses of retired employees be covered under this plan?"

In Wave 2H, if preloaded information indicates the Respondent was covered by any employer-provided health insurance in Wave 1, the

Respondent is asked if this coverage continues. If so, then no question about whether the plan covers retirees is asked. If not, or if not covered in Wave 1, current employer-provided health insurance plans are asked about (up to two). For each plan, the questions about retiree coverage are asked with the same wording as in Wave 1.

In Wave 3H, and Wave 4 forward, the question about whether a plan covers retirees is no longer asked. Other questions ask if the plan would cover the Respondent up to age 65 if they left the job before age 65 (if from current employer), or if the plan could be continued to age 65 (if from previous employer). The question wording is: "[If you left your current employer now could you]/[Can you] continue this [health] insurance coverage for yourself up to the age of 65?"

This question is skipped if the Respondent is already 65, or if the employer-provided health plan is not from either the Respondent's current or previous employer (e.g., it is NOT asked if the plan source is a union, spouse's employer, or through the Respondent's self-employment). From Wave 6 forward this question is asked for up to three plans.

From Wave 5 forward, an additional question asks if the plan would cover the Respondent after age 65. It is only asked if the Respondent reported being covered up to age 65. The question wording is: "[If you left your current employer now,] Does your employer offer some type of health insurance coverage for you after the age of 65?"

Similar questions ask if the spouse is covered in retirement by the Respondent's plan: "[If you left your current employer now could you]/[Can you] continue your current health insurance coverage for your spouse until he/she is age 65?" The question is in the Waves 3H and 4 questionnaire, but no data was collected.

From Wave 5 forward, if the spouse can be covered up to age 65, another question asks: "[If you left your current employer now,] Does your employer offer some type of health insurance coverage for your spouse after the age of 65?"

In Waves 2A and 3A, no question about retiree coverage or coverage before age 65 is asked.

In Waves 13 forward, if the Respondent indicates that they are still covered by their own health plan reported in the preloaded health plan information and a plan source is indicated, then the coverages in retirement questions are not asked and the values for RwHERTRx and RwHERTSx are carried forward from the last completed Core Interview. In Wave 13, there were some cases where the preloaded plan source was not available. In these cases the values for RwHERTRx and RwHERTSx are also carried forward from the last completed Core Interview.

HRS Variables Used

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HRS 1992:
    V6614           R3:R1EMPLR HLTH INS PLAN
    V6615           R3A:R1EMP:#PLANS HAVE
    V6616           R4:R1EMP:#1:HOW OBTAINED
    V6618           R7:R1#1:AVAIL FOR RTIREE
    V6622           R11:R1#1:RET:CAN SP COV
    V6624           R4:R1EMP:#2:HOW OBTAINED
    V6626           R7:R1#2:AVAIL FOR RTIREE
    V6630           R11:R1#2:RET:CAN SP COV
    V6808           R22:R2COV BY R'S EMP INS
    V6809           R23:CKPT:ONLY 1 PLAN/OTH
    V6810           R24A:PLAN1 COV BOTH R SP
    V6811           R24B:PLAN2 COVERS BOTH
    V6813           R25:R2HAS OTHR EMP INS
    V6814           R26:R2EMPLR HLTH INS PLN
    V6815           R26A:R2EMP:#PLANS HAVE
    V6816           R27:R2EMP:#1:HOW OBTAIND
    V6818           R30:R2#1:AVAIL FR RTIREE
    V6822           R34:R2#1:RET:CAN SP COV
    V6824           R27:R2EMP:#2:HOW OBTAIND
    V6826           R30:R2#2:AVAIL FR RTIREE
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    V6830           R34:R2#2:RET:CAN SP COV
HRS 1994:
    W6705           R2-1.COVERED BY SAME POL
    W6707           R2b-1.STILL COVERED BY W
    W6708           R2-2a.STILL COVERED BY S
    W6709           R2-2b.STILL COVERED BY S
    W6724           R4.CURRENT HEALTH INS FR
    W6726           P1. R5.HOW OBTAINED
    W6734           P1. R8.AVAILABLE FOR RET
    W6740           P2. R5.HOW OBTAINED
    W6748           P2. R8.AVAILABLE FOR RET
HRS 1996:
    E5158           R12X.SELF-EMP INSURANCE
    E5160           R13.ANY EMPLR INSURANCE FOR HOSP/DR BILL
    E5163_1         R15.HOW OBTAIN INSURANCE
    E5163_2         R15.HOW OBTAIN INSURANCE
    E5191_1         R34.COVERAGE CONTINUE TO 65
    E5191_2         R34.COVERAGE CONTINUE TO 65
    E5194_1         R35.COVERAGE TO 65 IF LEFT NOW
    E5194_2         R35.COVERAGE TO 65 IF LEFT NOW
HRS 1998:
    F5891           R12X.SELF-EMP INSURANCE
    F5893           R13.ANY INSURANCE FOR HOSP/DR BILLS
    F5896           R15.HOW OBTAIN INSURANCE
    F5924           R34.COVERAGE CONTINUE TO 65
    F5927           R35.COVERAGE TO 65 IF LEFT NOW
HRS 2000:
    G6264           R12AA.SELF-EMP INSURANCE
    G6266           R13.ANY INSURANCE THRU AN EMPLOYER
    G6269           R15.HOW OBTAIN INSURANCE
    G6297           R34.COVERAGE CONTINUE TO 65
    G6302           R35.COVERAGE TO 65 IF LEFT NOW
HRS 2002-2022:
    xN033_1         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
    xN033_2         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
    xN033_3         OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
    xN034_1         OBTAIN INS THRU FORMER EMPLOYER- 1
    xN034_2         OBTAIN INS THRU FORMER EMPLOYER- 2
    xN034_3         OBTAIN INS THRU FORMER EMPLOYER- 3
    xN059_1         EMPLOYER RETIREE COVERAGE UP TO 65- 1
    xN059_2         EMPLOYER RETIREE COVERAGE UP TO 65- 2
    xN059_3         EMPLOYER RETIREE COVERAGE UP TO 65- 3
    xN060_1         EMPLOYER RETIREE HI COVERAGE AFTER 65- 1
    xN060_2         EMPLOYER RETIREE HI COVERAGE AFTER 65- 2
    xN060_3         EMPLOYER RETIREE HI COVERAGE AFTER 65- 3
    xN062_1         EMP RETIREE HI COV FOR SP UP TO 65- 1
    xN062_2         EMP RETIREE HI COV FOR SP UP TO 65- 2
    xN062_3         EMP RETIREE HI COV FOR SP UP TO 65- 3
    xN063_1         EMP RETIREE HI COV FOR SP AFTER 65- 1
    xN063_2         EMP RETIREE HI COV FOR SP AFTER 65- 2
    xN063_3         EMP RETIREE HI COV FOR SP AFTER 65- 3
HRS 2016-2022:
    xN280_1         NAME PRIVATE HEALTH INSURANCE PLAN -1
    xN280_2         NAME PRIVATE HEALTH INSURANCE PLAN -2
    xN280_3         NAME PRIVATE HEALTH INSURANCE PLAN -3
    xN485_1         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 1
    xN485_2         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 2
    xN485_3         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 3
    xZ553_1         PRIVATE INSURANCE PLAN SOURCE - 1
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    xZ553_2         PRIVATE INSURANCE PLAN SOURCE - 2
    xZ553_3         PRIVATE INSURANCE PLAN SOURCE - 3
Tracker:
    AFINR               WHETHER FINANCIAL RESPONDENT
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Covered by other health insurance

Wave	Variable	Label	Type
1	R1HIOTHP	R1HIOTHP:W1 R has Other Ins	Categ
2	R2HIOTHP	R2HIOTHP:W2 R has Other Ins	Categ
3	R3HIOTHP	R3HIOTHP:W3 R has Other Ins	Categ
4	R4HIOTHP	R4HIOTHP:W4 R has Other Ins	Categ
5	R5HIOTHP	R5HIOTHP:W5 R has Other Ins	Categ
6	R6HIOTHP	R6HIOTHP:W6 R has Other Ins	Categ
7	R7HIOTHP	R7HIOTHP:W7 R has Other Ins	Categ
8	R8HIOTHP	R8HIOTHP:W8 R has Other Ins	Categ
9	R9HIOTHP	R9HIOTHP:W9 R has Other Ins	Categ
10	R10HIOTHP	R10HIOTHP:W10 R has Other Ins	Categ
11	R11HIOTHP	R11HIOTHP:W11 R has Other Ins	Categ
12	R12HIOTHP	R12HIOTHP:W12 R has Other Ins	Categ
13	R13HIOTHP	R13HIOTHP:W13 R has Other Ins	Categ
14	R14HIOTHP	R14HIOTHP:W14 R has Other Ins	Categ
15	R15HIOTHP	R15HIOTHP:W15 R has Other Ins	Categ
16	R16HIOTHP	R16HIOTHP:W16 R has Other Ins	Categ
1	S1HIOTHP	S1HIOTHP:W1 S has Other Ins	Categ
2	S2HIOTHP	S2HIOTHP:W2 S has Other Ins	Categ
3	S3HIOTHP	S3HIOTHP:W3 S has Other Ins	Categ
4	S4HIOTHP	S4HIOTHP:W4 S has Other Ins	Categ
5	S5HIOTHP	S5HIOTHP:W5 S has Other Ins	Categ
6	S6HIOTHP	S6HIOTHP:W6 S has Other Ins	Categ
7	S7HIOTHP	S7HIOTHP:W7 S has Other Ins	Categ
8	S8HIOTHP	S8HIOTHP:W8 S has Other Ins	Categ
9	S9HIOTHP	S9HIOTHP:W9 S has Other Ins	Categ
10	S10HIOTHP	S10HIOTHP:W10 S has Other Ins	Categ
11	S11HIOTHP	S11HIOTHP:W11 S has Other Ins	Categ
12	S12HIOTHP	S12HIOTHP:W12 S has Other Ins	Categ
13	S13HIOTHP	S13HIOTHP:W13 S has Other Ins	Categ
14	S14HIOTHP	S14HIOTHP:W14 S has Other Ins	Categ
15	S15HIOTHP	S15HIOTHP:W15 S has Other Ins	Categ
16	S16HIOTHP	S16HIOTHP:W16 S has Other Ins	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HIOTHP	12244	0.13	0.34	0.0	1.0
R2HIOTHP	19479	0.40	0.49	0.0	1.0
R3HIOTHP	16416	0.17	0.38	0.0	1.0
R4HIOTHP	21238	0.21	0.40	0.0	1.0
R5HIOTHP	19430	0.21	0.41	0.0	1.0
R6HIOTHP	17962	0.20	0.40	0.0	1.0
R7HIOTHP	19923	0.18	0.38	0.0	1.0
R8HIOTHP	18315	0.16	0.37	0.0	1.0
R9HIOTHP	17052	0.16	0.37	0.0	1.0
R10HIOTHP	21489	0.13	0.33	0.0	1.0
R11HIOTHP	20252	0.13	0.33	0.0	1.0
R12HIOTHP	18412	0.15	0.36	0.0	1.0
R13HIOTHP	20505	0.14	0.34	0.0	1.0
R14HIOTHP	16779	0.14	0.35	0.0	1.0
R15HIOTHP	14869	0.12	0.32	0.0	1.0
R16HIOTHP	15249	0.13	0.33	0.0	1.0
S1HIOTHP	9864	0.12	0.33	0.0	1.0
S2HIOTHP	13020	0.38	0.48	0.0	1.0
S3HIOTHP	11068	0.17	0.37	0.0	1.0

S4HIOTHP	13944	0.20	0.40	0.0	1.0
S5HIOTHP	12692	0.21	0.40	0.0	1.0
S6HIOTHP	11547	0.17	0.38	0.0	1.0
S7HIOTHP	12895	0.16	0.37	0.0	1.0
S8HIOTHP	11672	0.15	0.36	0.0	1.0
S9HIOTHP	10573	0.16	0.36	0.0	1.0
S10HIOTHP	13257	0.12	0.33	0.0	1.0
S11HIOTHP	12354	0.12	0.33	0.0	1.0
S12HIOTHP	10860	0.14	0.35	0.0	1.0
S13HIOTHP	11608	0.13	0.34	0.0	1.0
S14HIOTHP	9193	0.14	0.35	0.0	1.0
S15HIOTHP	8249	0.13	0.34	0.0	1.0
S16HIOTHP	7680	0.13	0.34	0.0	1.0

Categorical Variable Codes

RwHIOTHP: R has Other Ins

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr			1172							
.D=DK	25	63	291	59	80	134	152	122	129	236
.J=Web interview, missing										
.M=Oth missing	383	78	79	69	50	19	21	15	17	253
.R=RF		22	33	18	18	50	33	17	19	56
0.No	10643	11668	13587	16855	15358	14404	16350	15323	14310	18735
1.Yes	1601	7811	2829	4383	4072	3558	3573	2992	2742	2754

Value	w11	w12	w13	w14	w15	w16
.C=Cov,DK by whose emplyr						
.D=DK	210	233	220	162	226	216
.J=Web interview, missing				57	105	69
.M=Oth missing	50	48	129	91	456	189
.R=RF	42	54	58	57	67	64
0.No	17665	15685	17712	14445	13139	13291
1.Yes	2587	2727	2793	2334	1730	1958

SwHIOTHP: S has Other Ins

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr			674							
.D=DK	16	33	149	30	32	51	53	51	57	87
.J=Web interview, missing										
.M=Oth missing	399	23	23	16	11	8	3	3	4	143
.R=RF		14	14	11	10	33	21	9	12	26
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	406	515	296	220	380	317	365	724
0.No	8637	8122	9224	11182	10076	9527	10791	9869	8921	11625
1.Yes	1227	4898	1844	2762	2616	2020	2104	1803	1652	1632

Value	w11	w12	w13	w14	w15	w16
.C=Cov,DK by whose emplyr						
.D=DK	97	111	104	73	118	70
.J=Web interview, missing				47	46	42
.M=Oth missing	12	15	39	19	30	29
.R=RF	21	26	28	26	34	19
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	10852	9287	10078	7921	7153	6669
1.Yes	1502	1573	1530	1272	1096	1011

How Constructed

RwHIOTHP indicates whether the Respondent is covered by any health insurance other than government, employer-provided, or long-term care insurance. SwHIOTHP provides the information for the Respondent's spouse or partner.

The question wording and the sample that is asked these questions vary across waves. The relevant questions follow those that inquire about government and employer-provided insurance, and in some waves, are not asked if these types of insurance apply. Because of these differences, the analyst may want to consider this measure in conjunction with other types of insurance coverage.

Generally, if the Respondent indicates that they are currently covered by Basic health, Medigap or any other health insurance programs besides long-term care insurance, and the coverage is not clearly provided by the government or an employer or union, then we set RwHIOTHP to yes =(1). If the Respondent responds no to questions about these types of insurance coverage then RwHIOTHP is set to no (=0). Otherwise, RwHIOTHP is set to a missing value based on missing values in the HRS variables. Specific codes used to set RwHIOTHP in each wave are listed under "Cross-Wave Differences."

In Wave 3H, and Wave 4, there are two, and in Wave 5 there are three relevant questions. One of them is skipped if the Respondent has Medicare and employer provided Medigap. The second is skipped if the Respondent is covered by any government or employer-provided insurance. In Wave 5 the third question is skipped if the Respondent is covered by Medicare, through self-employment, or if the Respondent answered the second question. If all these questions are skipped, we set RwHIOTHP to "0." In other waves, the questions are asked of everyone.

In Wave 2A, 3A and from Wave 6 forward, the other health insurance questions are asked in combination with, or as part of a series of questions including employer-provided insurance questions.

Note that coverage by RwHIOTHP decreases somewhat from Wave 6 forward. This may be because the question structure is considerably different from that in previous waves.

SwHIOTHP for Wave 1 is taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then S1HIOTHP is the Financial Respondent's spouse's information. But if the Respondent is the spouse of the

Financial Respondent, then S1HIOTHP is the Financial Respondent's information.

From Wave 2 on, this information is taken from the spouse's self-reported RwHIOTHP variable, if available. In Waves 3H, 4, and 5, if the Respondent reports that the spouse is covered by their other insurance, this information is applied if the Respondent is married or partnered and the spouse's self-report is missing. If the Respondent is not married, SwHIOTHP is set to .U=unmarried. If the Respondent's spouse did not respond then SwHIOTHP is set to .V=Spouse is non-response.

Cross Wave Differences in Original HRS Data

In Wave 1, the health insurance questions are asked only of the Financial Respondent, about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only.

In Wave 1 an initial question asks "Do you have any type of health insurance coverage, Medigap or other supplemental coverage, or long-term care insurance that is purchased directly from an insurance company or through a membership organization such as AARP (the American Association of Retired Persons)?" If the answer is "yes," then a second question, to which multiple answers may be given asks: "What kind of coverage do you have?" There are five categories of insurance coded: 1) BASIC HEALTH ("Hospitalization"), 2) MEDIGAP, 3) OTHER SUPPLEMENTAL HEALTH (AARP–NFS), 4) LONG-TERM CARE (incl. nursing home care) and 5) OTHER (SPECIFY). Each category is coded as a separate yes/no variable. If the Respondent reports any kind of coverage besides long-term care, then RwHIOTHP is set to "yes."

In Wave 2A, the questions are similar to those in Wave 1. A first question asks: "Do you have any (other) type of health insurance coverage?" If the answer is "yes," then a second question asks: "What kind of coverage do you have?" There are 5 different answers: 1) BASIC HEALTH ("Hospitalization"), 2) MEDIGAP, 3) OTHER SUPPLEMENTAL HEALTH, 4) LONG-TERM CARE and 5) OTHER (SPECIFY). Up to four responses are reported. If the Respondent reports any kind of coverage except long-term care, then RwHIOTHP is set to "yes."

In Wave 2H, separate questions ask about basic health and supplementary health insurance that are privately purchased:

a) "Do you have any basic health insurance coverage, purchased directly from an insurance company or through a membership organization such as AARP (American Association of Retired Persons)?"

b) "Do you have any type of supplementary health insurance coverage, such as Medigap or long-term care insurance that is purchased directly from an insurance company or through a membership organization such as AARP (American Association of Retired Persons)?"

If the answer to the second question is "yes," then the Respondent is asked: "What kind of coverage do you have?" There are many categories coded, including Medigap, other supplemental health, long-term care, heart/cardiac policy, cancer (including a combination of cancer and intensive care), dental insurance, Major Medical, "intensive care" or "catastrophic illness," "accident," hospitalization, disability, a policy that pays so much per day/per length of time, and other. Up to four responses are reported. If the Respondent reports any kind of coverage except long-term care, then RwHIOTHP is set to "yes."

In Wave 3A, questions ask if the Respondent has any health insurance other than government or long-term care and then ask for the source of the other insurance. The first question asks: "Not counting long-term care insurance or Medicare, (or Medicaid/or any other insurance we've discussed), do you have any other insurance that pays any part of hospital or doctor bills? Sometimes this is called a Medigap or Medicare Supplement policy.)" If the answer is "yes," then the number of plans is asked.

The source of the first or only plan is then collected: "[Thinking about the first of these plans] How did you obtain this type of health insurance coverage? Was it through your (or your husband's/or your wife's/or your partner's) employer or union, or through an organization or what?" Multiple answers are allowed and up to three responses are reported.

If there is more than one plan, a second follow-up question asks: "Thinking about your other health insurance plans, how did you obtain this type of health insurance coverage? Was it through your (or your husband's/or your wife's/or your partner's) employer or union, or through an organization or what?" Up to three responses are reported. If the Respondent reports the coverage is from "OTHER

ORGANIZATION," "Self; not through any organization," or "OTHER," then RwHIOTHP is set to "yes."

In Waves 3H, 4 and 5, the questions are worded consistently. If the Respondent is covered by Medicare and does not report having an employer-provided Medigap plan, a first question asks: "Not counting long-term care insurance or Medicare, (or Medicaid/or any other insurance we've discussed), do you have any other insurance that pays any part of hospital or doctor bills? Sometimes this is called a Medigap or Medicare Supplement policy."

If the Respondent is not covered by any government or employer-provided insurance, a second question asks: "Do you have any basic health insurance coverage purchased directly from an insurance company or through a membership organization?" A subsequent question asked who else is covered. If the Respondent indicates that the spouse is covered, we apply the information on SwHIOTHP if married.

In Wave 5, there is an additional question if the prior question was not answered and the Respondent is not covered by Medicare or through self-employment: "Not counting long-term care policies or the health insurance you already told me about, do you have any other health insurance coverage that you purchased directly from an insurance company or through a membership organization?"

Beginning in Wave 6, after asking about government insurance, a question first asks if the Respondent has any other health coverage besides long-term care insurance. This is followed by a series of questions of about the source of the private health insurance. The initial question is:

"Now, we'd like to ask about all the other types of health insurance plans you might have, such as insurance through an employer or a business, coverage for retirees, or health insurance you buy for yourself, including any (Medigap or) other supplemental coverage. Do not include long-term care insurance. Other than your Medicare HMO you've just told me about, or anything that you have just told me about, how many other such plans do you have?"

A series of follow-up questions ask separately about the source of the insurance until the source is identified. If the Respondent is currently working, the first question asks: "Do you obtain this health insurance through your (own business or professional organization/current employer)?" If the Respondent is not working, they are asked: "Do you obtain this health insurance through a former employer of yours?" If the Respondent is married or partnered, the next questions ask if insurance is obtained "through your (husband/wife/partner)'s current employer?" or "through your (husband/wife/partner)'s former employer?" If the source still has not been identified, a final question asks: "Did you purchase this plan directly from an insurance company, through your (or your [husband/wife/partner]'s/or your) union, through a group such as AARP, a church, or other organization, or what?" If the Respondent indicates that his coverage is from an insurance company, group or other, we set RwHIOTHP to "yes."

In Wave 1, Wave 2H and Wave 3H forward, the other health insurance questions asks if the Respondent purchased it by themselves. In Waves 2A and 3A, and from Wave 6 forward, the other health insurance questions are combined with employer provided insurance questions.

In Waves 3H, 4 and 5, if the Respondent has Medicare and employer provided Medigap, or no Medicare and has any government insurance, then the questions are skipped. For all other waves, the questions are asked of everyone.

HRS Variables Used

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HRS 1992:
    VR6632          R14:COV FRM INS CO:IMP/ Self
    VR6633          R14aA:CO/ORG:BASC HLTH/ Self
    VR6634          R14aB:CO/ORG:MEDIGAP/ Self
    VR6635          R14aC:CO/ORG:SUPPLMNTL/ Self
    VR6637          R14aE:CO/ORG:OTHER/ Self
AHEAD 1993:
    B1859           R6. R OTHER HEALTH INSURANCE: ANY
    B1865A1         R7. R OTHER HEALTH INSURANCE: TYPE-1
    B1865A2         R7. R OTHER HEALTH INSURANCE: TYPE-2
    B1865A3         R7. R OTHER HEALTH INSURANCE: TYPE-3
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    B1865A4         R7. R OTHER HEALTH INSURANCE: TYPE-4
HRS 1994:
    W6754           R14.INSURANCE FROM COMPA
    W6757           R14b.SUPPLEMENTARY HEALT
    W6758           R14c.KIND OF PRIVATE HEA
    W6759           R14c.KIND OF PRIVATE HEA
AHEAD 1995:
    D5214           R9. OTHER HEALTH INSURANCE
    D5225M1         R10D-1.  HOW OBTAIN OTHER HMO-1
    D5225M2         R10D-2. HOW OBTAIN OTHER HMO-1
    D5225M3         R10D. HOW OBTAIN OTHER HMO-1
    D5242M1         R11D-1.  HOW OBTAIN OTHER HMO-1
    D5242M2         R11D-2.  HOW OBTAIN OTHER HMO-1
HRS 1996:
    E5133           R1.MEDICARE COVERAGE
    E5206           R46.OTHER INSURANCE
    E5218           R48.ANY OTHER HEALTH INSUR
    E5225M1         R54A.WHO ELSE COVERED
    E5225M2         R54A.WHO ELSE COVERED
    E5225M3         R54A.WHO ELSE COVERED
    E5225M4         R54A.WHO ELSE COVERED
    E5225M5         R54A.WHO ELSE COVERED
HRS 1998:
    F5938           R46.OTHER INSURANCE
    F5950           R48.ANY OTHER HEALTH INSUR
    F5957M1         R54A.WHO ELSE COVERED
    F5957M2         R54A.WHO ELSE COVERED
    F5957M3         R54A.WHO ELSE COVERED
    F5957M4         R54A.WHO ELSE COVERED
    F5957M5         R54A.WHO ELSE COVERED
HRS 2000:
    G6312           R46.OTHER INSURANCE
    G6324           R48.ANY HEALTH INSUR
    G6325           R48B.ANY OTHER PURCHASED HEALTH INS
    G6331M1         R54A.WHO ELSE COVERED
    G6331M2         R54A.WHO ELSE COVERED
    G6331M3         R54A.WHO ELSE COVERED
    G6331M4         R54A.WHO ELSE COVERED
    G6331M5         R54A.WHO ELSE COVERED
    G6331M6         R54A.WHO ELSE COVERED
HRS 2002-2022:
    xN023           NUM PRIVATE HEALTH INS PLANS
    xN037_1         WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
    xN037_2         WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
    xN037_3         WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
HRS 2016-2022:
    xN280_1         NAME PRIVATE HEALTH INSURANCE PLAN -1
    xN280_2         NAME PRIVATE HEALTH INSURANCE PLAN -2
    xN280_3         NAME PRIVATE HEALTH INSURANCE PLAN -3
    xN485_1         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 1
    xN485_2         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 2
    xN485_3         WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 3
    xZ553_1         PRIVATE INSURANCE PLAN SOURCE - 1
    xZ553_2         PRIVATE INSURANCE PLAN SOURCE - 2
    xZ553_3         PRIVATE INSURANCE PLAN SOURCE - 3
Tracker:
    AFINR               WHETHER FINANCIAL RESPONDENT
```

Covered by long-term care insurance

Wave	Variable	Label	Type
1	R1HILTC	R1HILTC:W1 R has Long Term Care Ins	Categ
2	R2HILTC	R2HILTC:W2 R has Long Term Care Ins	Categ
3	R3HILTC	R3HILTC:W3 R has Long Term Care Ins	Categ
4	R4HILTC	R4HILTC:W4 R has Long Term Care Ins	Categ
5	R5HILTC	R5HILTC:W5 R has Long Term Care Ins	Categ
6	R6HILTC	R6HILTC:W6 R has Long Term Care Ins	Categ
7	R7HILTC	R7HILTC:W7 R has Long Term Care Ins	Categ
8	R8HILTC	R8HILTC:W8 R has Long Term Care Ins	Categ
9	R9HILTC	R9HILTC:W9 R has Long Term Care Ins	Categ
10	R10HILTC	R10HILTC:W10 R has Long Term Care Ins	Categ
11	R11HILTC	R11HILTC:W11 R has Long Term Care Ins	Categ
12	R12HILTC	R12HILTC:W12 R has Long Term Care Ins	Categ
13	R13HILTC	R13HILTC:W13 R has Long Term Care Ins	Categ
14	R14HILTC	R14HILTC:W14 R has Long Term Care Ins	Categ
15	R15HILTC	R15HILTC:W15 R has Long Term Care Ins	Categ
16	R16HILTC	R16HILTC:W16 R has Long Term Care Ins	Categ
1	S1HILTC	S1HILTC:W1 S has Long Term Care Ins	Categ
2	S2HILTC	S2HILTC:W2 S has Long Term Care Ins	Categ
3	S3HILTC	S3HILTC:W3 S has Long Term Care Ins	Categ
4	S4HILTC	S4HILTC:W4 S has Long Term Care Ins	Categ
5	S5HILTC	S5HILTC:W5 S has Long Term Care Ins	Categ
6	S6HILTC	S6HILTC:W6 S has Long Term Care Ins	Categ
7	S7HILTC	S7HILTC:W7 S has Long Term Care Ins	Categ
8	S8HILTC	S8HILTC:W8 S has Long Term Care Ins	Categ
9	S9HILTC	S9HILTC:W9 S has Long Term Care Ins	Categ
10	S10HILTC	S10HILTC:W10 S has Long Term Care Ins	Categ
11	S11HILTC	S11HILTC:W11 S has Long Term Care Ins	Categ
12	S12HILTC	S12HILTC:W12 S has Long Term Care Ins	Categ
13	S13HILTC	S13HILTC:W13 S has Long Term Care Ins	Categ
14	S14HILTC	S14HILTC:W14 S has Long Term Care Ins	Categ
15	S15HILTC	S15HILTC:W15 S has Long Term Care Ins	Categ
16	S16HILTC	S16HILTC:W16 S has Long Term Care Ins	Categ
2	R2TYLTC	R2TYLTC:W2 R Type of Long Term Care Ins	Categ
3	R3TYLTC	R3TYLTC:W3 R Type of Long Term Care Ins	Categ
4	R4TYLTC	R4TYLTC:W4 R Type of Long Term Care Ins	Categ
5	R5TYLTC	R5TYLTC:W5 R Type of Long Term Care Ins	Categ
6	R6TYLTC	R6TYLTC:W6 R Type of Long Term Care Ins	Categ
7	R7TYLTC	R7TYLTC:W7 R Type of Long Term Care Ins	Categ
8	R8TYLTC	R8TYLTC:W8 R Type of Long Term Care Ins	Categ
9	R9TYLTC	R9TYLTC:W9 R Type of Long Term Care Ins	Categ
10	R10TYLTC	R10TYLTC:W10 R Type of Long Term Care Ins	Categ
11	R11TYLTC	R11TYLTC:W11 R Type of Long Term Care Ins	Categ
12	R12TYLTC	R12TYLTC:W12 R Type of Long Term Care Ins	Categ
13	R13TYLTC	R13TYLTC:W13 R Type of Long Term Care Ins	Categ
14	R14TYLTC	R14TYLTC:W14 R Type of Long Term Care Ins	Categ
15	R15TYLTC	R15TYLTC:W15 R Type of Long Term Care Ins	Categ
16	R16TYLTC	R16TYLTC:W16 R Type of Long Term Care Ins	Categ
2	S2TYLTC	S2TYLTC:W2 S Type of Long Term Care Ins	Categ
3	S3TYLTC	S3TYLTC:W3 S Type of Long Term Care Ins	Categ
4	S4TYLTC	S4TYLTC:W4 S Type of Long Term Care Ins	Categ
5	S5TYLTC	S5TYLTC:W5 S Type of Long Term Care Ins	Categ
6	S6TYLTC	S6TYLTC:W6 S Type of Long Term Care Ins	Categ
7	S7TYLTC	S7TYLTC:W7 S Type of Long Term Care Ins	Categ
8	S8TYLTC	S8TYLTC:W8 S Type of Long Term Care Ins	Categ
9	S9TYLTC	S9TYLTC:W9 S Type of Long Term Care Ins	Categ
10	S10TYLTC	S10TYLTC:W10 S Type of Long Term Care Ins	Categ
11	S11TYLTC	S11TYLTC:W11 S Type of Long Term Care Ins	Categ
12	S12TYLTC	S12TYLTC:W12 S Type of Long Term Care Ins	Categ
13	S13TYLTC	S13TYLTC:W13 S Type of Long Term Care Ins	Categ
14	S14TYLTC	S14TYLTC:W14 S Type of Long Term Care Ins	Categ
15	S15TYLTC	S15TYLTC:W15 S Type of Long Term Care Ins	Categ
16	S16TYLTC	S16TYLTC:W16 S Type of Long Term Care Ins	Categ

1	R1LTCPRM	R1LTCPRM:W1 Long Term Care Insurance Plan Monthly Premium	Cont
2	R2LTCPRM	R2LTCPRM:W2 Long Term Care Insurance Plan Monthly Premium	Cont
3	R3LTCPRM	R3LTCPRM:W3 Long Term Care Insurance Plan Monthly Premium	Cont
4	R4LTCPRM	R4LTCPRM:W4 Long Term Care Insurance Plan Monthly Premium	Cont
5	R5LTCPRM	R5LTCPRM:W5 Long Term Care Insurance Plan Monthly Premium	Cont
6	R6LTCPRM	R6LTCPRM:W6 Long Term Care Insurance Plan Monthly Premium	Cont
7	R7LTCPRM	R7LTCPRM:W7 Long Term Care Insurance Plan Monthly Premium	Cont
8	R8LTCPRM	R8LTCPRM:W8 Long Term Care Insurance Plan Monthly Premium	Cont
9	R9LTCPRM	R9LTCPRM:W9 Long Term Care Insurance Plan Monthly Premium	Cont
10	R10LTCPRM	R10LTCPRM:W10 Long Term Care Insurance Plan Monthly Premium	Cont
11	R11LTCPRM	R11LTCPRM:W11 Long Term Care Insurance Plan Monthly Premium	Cont
12	R12LTCPRM	R12LTCPRM:W12 Long Term Care Insurance Plan Monthly Premium	Cont
13	R13LTCPRM	R13LTCPRM:W13 Long Term Care Insurance Plan Monthly Premium	Cont
14	R14LTCPRM	R14LTCPRM:W14 Long Term Care Insurance Plan Monthly Premium	Cont
15	R15LTCPRM	R15LTCPRM:W15 Long Term Care Insurance Plan Monthly Premium	Cont
16	R16LTCPRM	R16LTCPRM:W16 Long Term Care Insurance Plan Monthly Premium	Cont
1	S1LTCPRM	S1LTCPRM:W1 Long Term Care Insurance Plan Monthly Premium	Cont
2	S2LTCPRM	S2LTCPRM:W2 Long Term Care Insurance Plan Monthly Premium	Cont
3	S3LTCPRM	S3LTCPRM:W3 Long Term Care Insurance Plan Monthly Premium	Cont
4	S4LTCPRM	S4LTCPRM:W4 Long Term Care Insurance Plan Monthly Premium	Cont
5	S5LTCPRM	S5LTCPRM:W5 Long Term Care Insurance Plan Monthly Premium	Cont
6	S6LTCPRM	S6LTCPRM:W6 Long Term Care Insurance Plan Monthly Premium	Cont
7	S7LTCPRM	S7LTCPRM:W7 Long Term Care Insurance Plan Monthly Premium	Cont
8	S8LTCPRM	S8LTCPRM:W8 Long Term Care Insurance Plan Monthly Premium	Cont
9	S9LTCPRM	S9LTCPRM:W9 Long Term Care Insurance Plan Monthly Premium	Cont
10	S10LTCPRM	S10LTCPRM:W10 Long Term Care Insurance Plan Monthly Premium	Cont
11	S11LTCPRM	S11LTCPRM:W11 Long Term Care Insurance Plan Monthly Premium	Cont
12	S12LTCPRM	S12LTCPRM:W12 Long Term Care Insurance Plan Monthly Premium	Cont
13	S13LTCPRM	S13LTCPRM:W13 Long Term Care Insurance Plan Monthly Premium	Cont
14	S14LTCPRM	S14LTCPRM:W14 Long Term Care Insurance Plan Monthly Premium	Cont
15	S15LTCPRM	S15LTCPRM:W15 Long Term Care Insurance Plan Monthly Premium	Cont
16	S16LTCPRM	S16LTCPRM:W16 Long Term Care Insurance Plan Monthly Premium	Cont
E	REHILTC	REHILTC:EXIT R had Long Term Care Ins	Categ
E	RETYLTC	RETYLTC:EXIT R Type of Long Term Care Ins	Categ
E	RELTCPRM	RELTCPRM:EXIT Long Term Care Insurance Plan Monthly Premium	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HILTC	12246	0.01	0.10	0.0	1.0
R2HILTC	19108	0.07	0.25	0.0	1.0
R3HILTC	17534	0.10	0.30	0.0	1.0
R4HILTC	20696	0.09	0.29	0.0	1.0
R5HILTC	19163	0.09	0.29	0.0	1.0
R6HILTC	17880	0.11	0.31	0.0	1.0
R7HILTC	19834	0.11	0.32	0.0	1.0
R8HILTC	18193	0.12	0.32	0.0	1.0
R9HILTC	16917	0.12	0.33	0.0	1.0
R10HILTC	21293	0.12	0.32	0.0	1.0
R11HILTC	20178	0.11	0.32	0.0	1.0
R12HILTC	18367	0.12	0.32	0.0	1.0
R13HILTC	20370	0.11	0.31	0.0	1.0
R14HILTC	16768	0.11	0.31	0.0	1.0
R15HILTC	15209	0.11	0.32	0.0	1.0
R16HILTC	15247	0.11	0.31	0.0	1.0
S1HILTC	9866	0.01	0.10	0.0	1.0
S2HILTC	12851	0.06	0.24	0.0	1.0
S3HILTC	11639	0.11	0.31	0.0	1.0
S4HILTC	13568	0.10	0.30	0.0	1.0
S5HILTC	12482	0.11	0.31	0.0	1.0

S6HILTC	11469	0.12	0.33	0.0	1.0
S7HILTC	12793	0.13	0.33	0.0	1.0
S8HILTC	11576	0.13	0.34	0.0	1.0
S9HILTC	10489	0.14	0.35	0.0	1.0
S10HILTC	13103	0.13	0.33	0.0	1.0
S11HILTC	12288	0.12	0.33	0.0	1.0
S12HILTC	10826	0.12	0.33	0.0	1.0
S13HILTC	11526	0.12	0.32	0.0	1.0
S14HILTC	9181	0.12	0.32	0.0	1.0
S15HILTC	8266	0.11	0.32	0.0	1.0
S16HILTC	7664	0.10	0.31	0.0	1.0
R2TYLTC	1069	2.23	0.92	1.0	3.0
R3TYLTC	1620	2.64	1.15	1.0	7.0
R4TYLTC	1767	2.54	0.89	1.0	7.0
R5TYLTC	1682	2.63	0.79	1.0	7.0
R6TYLTC	1844	2.71	0.83	1.0	7.0
R7TYLTC	2101	2.76	0.79	1.0	7.0
R8TYLTC	2011	2.72	0.70	1.0	7.0
R9TYLTC	1947	2.76	0.69	1.0	7.0
R10TYLTC	2375	2.78	0.71	1.0	7.0
R11TYLTC	2171	2.75	0.67	1.0	7.0
R12TYLTC	2034	2.76	0.69	1.0	7.0
R13TYLTC	2085	2.75	0.68	1.0	7.0
R14TYLTC	1725	2.74	0.63	1.0	3.0
R15TYLTC	1595	2.75	0.62	1.0	3.0
R16TYLTC	1498	2.78	0.58	1.0	3.0
S2TYLTC	633	2.28	0.90	1.0	3.0
S3TYLTC	1168	2.70	1.15	1.0	7.0
S4TYLTC	1250	2.58	0.89	1.0	7.0
S5TYLTC	1244	2.66	0.77	1.0	7.0
S6TYLTC	1324	2.74	0.81	1.0	7.0
S7TYLTC	1527	2.78	0.76	1.0	7.0
S8TYLTC	1417	2.74	0.67	1.0	7.0
S9TYLTC	1369	2.79	0.68	1.0	7.0
S10TYLTC	1565	2.80	0.65	1.0	7.0
S11TYLTC	1421	2.78	0.65	1.0	7.0
S12TYLTC	1277	2.80	0.61	1.0	7.0
S13TYLTC	1244	2.79	0.65	1.0	7.0
S14TYLTC	1008	2.80	0.55	1.0	3.0
S15TYLTC	889	2.81	0.54	1.0	3.0
S16TYLTC	738	2.83	0.53	1.0	3.0
R1LTCPRM	77	44.90	42.98	0.4	290.0
R2LTCPRM	961	97.73	103.21	0.0	990.0
R3LTCPRM	1434	77.87	139.26	0.0	4000.0
R4LTCPRM	1634	107.39	338.14	0.0	9995.0
R5LTCPRM	1572	152.32	628.49	0.0	15600.0
R6LTCPRM	1277	159.98	144.74	0.0	2600.0
R7LTCPRM	1498	177.65	422.47	0.0	13170.0
R8LTCPRM	1492	196.62	651.13	0.0	17668.0
R9LTCPRM	1456	224.27	921.80	0.0	20774.0
R10LTCPRM	1503	183.38	426.75	0.0	14807.0
R11LTCPRM	1416	195.82	730.83	0.0	26740.0
R12LTCPRM	1296	181.99	208.79	0.0	4000.0
R13LTCPRM	1273	173.51	198.28	0.0	3583.3
R14LTCPRM	948	203.56	344.51	0.0	7917.0
R15LTCPRM	872	197.27	195.09	0.0	1416.7

R16LTCPRM	792	227.21	285.58	0.0	4500.0
S1LTCPRM	59	49.13	44.38	8.3	290.0
S2LTCPRM	574	101.37	105.26	0.0	900.0
S3LTCPRM	1029	80.75	154.47	0.0	4000.0
S4LTCPRM	1138	114.24	377.95	0.0	9995.0
S5LTCPRM	1138	152.44	565.81	0.0	15000.0
S6LTCPRM	924	168.09	140.43	0.0	2600.0
S7LTCPRM	1085	169.04	128.40	0.0	1333.3
S8LTCPRM	1052	189.70	375.14	0.0	10530.0
S9LTCPRM	1016	253.59	1097.22	0.0	20774.0
S10LTCPRM	1012	192.47	225.94	0.0	3600.0
S11LTCPRM	951	189.90	167.46	0.0	2083.3
S12LTCPRM	821	200.95	227.85	0.0	4000.0
S13LTCPRM	780	188.37	209.67	0.0	3583.3
S14LTCPRM	573	227.27	411.06	0.0	7917.0
S15LTCPRM	486	225.52	212.45	0.0	1416.7
S16LTCPRM	424	258.16	269.35	0.0	1800.0
REHILTC	16901	0.09	0.29	0.0	1.0
RETYLTC	1429	2.38	0.95	1.0	7.0
RELTCPRM	611	338.13	658.88	0.0	5000.0

Categorical Variable Codes

RwHILTC: R has Long Term Care Ins

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	23	431	356	594	351	249	261	246	270	441
.J=Web interview, missing										
.M=Oth missing	383	78	85	72	49	15	20	16	17	261
.R=RF		25	16	22	15	21	14	14	13	39
0.No	12128	17840	15762	18765	17355	15918	17606	16039	14839	18763
1.Yes	118	1268	1772	1931	1808	1962	2228	2154	2078	2530

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	288	304	383	247	328	338
.J=Web interview, missing				4	7	8
.M=Oth missing	63	50	121	92	126	141
.R=RF	25	26	38	35	53	53
0.No	17881	16191	18121	14913	13482	13608
1.Yes	2297	2176	2249	1855	1727	1639

SwHILTC: S has Long Term Care Ins

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	14	202	245	384	231	150	166	149	146	240
.J=Web interview, missing										
.M=Oth missing	399	23	29	16	10	5	4	3	4	148
.R=RF		14	4	12	7	15	9	7	7	22
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.No	9776	12065	10364	12212	11149	10065	11183	10055	9034	11445
1.Yes	90	786	1275	1356	1333	1404	1610	1521	1455	1658

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	164	158	200	130	156	122
.J=Web interview, missing				10	6	7
.M=Oth missing	19	16	35	19	21	26
.R=RF	13	12	18	18	28	21
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	10793	9480	10191	8104	7317	6868
1.Yes	1495	1346	1335	1077	949	796

RwTYLTC: R Type of Long Term Care Ins

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		396	148	163	126	118	127	143	130	153
.J=Web interview, missing										
.M=Oth missing			4							
.Q=Not asked this wv		11420								
.R=RF		3		1					1	2
.S=Skip, no LTC		6754	16219	19453	17770	16203	17901	16315	15139	19504
1.Nursing home care only		355	318	340	252	253	248	247	210	244
2.In-home care only		115	172	185	142	98	98	78	84	100
3.Both		599	1073	1228	1280	1474	1734	1682	1645	2017
7.Other			57	14	8	19	21	4	8	14

Value	w11	w12	w13	w14	w15	w16
.D=DK	125	139	161	118	119	132
.J=Web interview, missing				10	6	5
.M=Oth missing		1				
.Q=Not asked this wv						
.R=RF	1	2	3	2	7	4
.S=Skip, no LTC	18257	16571	18663	15291	13996	14148
1.Nursing home care only	231	210	212	176	158	123
2.In-home care only	95	95	134	99	83	79
3.Both	1839	1720	1732	1450	1354	1296
7.Other	6	9	7			

SwTYLTC: S Type of Long Term Care Ins

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		185	103	105	89	80	83	104	85	93
.J=Web interview, missing										
.M=Oth missing			4							
.Q=Not asked this wv		9125								
.R=RF				1					1	
.S=Skip, no LTC		3531	10642	12624	11397	10235	11362	10214	9191	11855
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	417	536	311	220	380	317	365	724
1.Nursing home care only		192	204	227	176	168	166	163	131	139
2.In-home care only		71	126	121	95	64	65	45	48	56
3.Both		370	793	891	968	1078	1282	1207	1183	1363
7.Other			45	11	5	14	14	2	7	7

Value	w11	w12	w13	w14	w15	w16
.D=DK	74	69	89	63	51	52
.J=Web interview, missing				5	5	3
.M=Oth missing						
.Q=Not asked this wv						
.R=RF			2	1	4	3
.S=Skip, no LTC	10989	9666	10444	8281	7528	7044
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Nursing home care only	136	107	111	72	63	51
2.In-home care only	54	53	60	53	40	22
3.Both	1227	1114	1068	883	786	665
7.Other	4	3	5			

REHILTC: EXIT R had Long Term Care Ins

Value	
.D=DK	761
.M=Oth missing	36
.R=RF	14
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
0.No	15344
1.Yes	1557

RETYLTC: EXIT R Type of Long Term Care Ins

Value	
.D=DK	125
.Q=Not asked this wv	175
.R=RF	1
.S=Skip	15982
.Y=No Exit Interview, No De	25878
.Z=No Exit Interview, Death	1575
1.Nursing home care only	401
2.In-home care only	117
3.Both	903
7.Other	8

How Constructed

Core Interview Variables

RwHILTC indicates whether the Respondent is covered by long-term care insurance. RwTYLTC indicates whether the long-term care insurance covers nursing home care only, in-home care only, or both. RwLTCPRM indicates the amount in nominal dollars that the Respondent pays monthly for long-term care coverage. SwHILTC, SwTYLTC, and SwLTCPRM provide the information for the Respondent's spouse or partner.

Though the question structure varies across waves, long-term care insurance coverage can be identified in all of them. If the Respondent indicates that they are currently covered by long-term care insurance, then RwHILTC is set to yes (=1). If the Respondent indicates not having coverage, then RwHILTC is set to no (=0). Otherwise, RwHILTC is set to a missing value based on missing values in the HRS variables.

In Wave 2A and from Wave 3 forward, there is a follow-up question(s) about the type of long-term care when the Respondent indicates having long-term care coverage. This question asks whether long-term care covers nursing home care only, long-term care at home, or both. RwTYLTC indicates the type of long-term care coverage based on this question. If the Respondent does not have long-term coverage, then RwTYLTC is set to skip (.S). In Wave 1, R1TYLTC and S1TYLTC are not available because the question is not asked.

If a Respondent indicates having long-term care coverage, there is a series of follow-up questions asking the amount the Respondent pays monthly for long-term care insurance premiums. In all Waves, the Respondent reports the amount paid as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are converted to monthly amounts. If the Respondent does not report a clear time period for amount paid (e.g., lump sum, "other"), then the monthly amount cannot be calculated and RwLTCPRM is set to .K.

In Waves 1 and 2, the long-term care premium amount is included with the premium amounts for "other" types of insurance. If a Respondent indicates having long-term care and another type of "other" insurance, then RwLTCPRM is set to .C=Covered elsewhere. The total amount for all "other" insurance listed can be seen in RwPRPRMx, where "x" indicates the plan number, 1 to 3. If the Respondent does not have long-term care coverage, then RwLTCPRM is set to skip (.S).

From Wave 6 forward, if the Respondent indicates that the long-term care coverage is included a previously described plan, then the premium questions are not asked and RwLTCPRM is set to .C to indicate that the long-term care premium is covered elsewhere.

In Wave 1, S1HILTC and S1LTCPRM are taken from the Financial Respondent's information as appropriate. That is, if the Respondent is the Financial Respondent, then S1HILTC and S1LTCPRM contain the Financial Respondent's spouse's information. If the Respondent is the spouse of the Financial Respondent, then S1HILTC and S1LTCPRM contain the Financial Respondent's information.

From Wave 2 on, SwHILTC, SwTYLTC, and SwLTCPRM are taken from the spouse's self-reported RwHILTC, RwTYLTC, and RwLTCPRM variables, if available. If the Respondent is not married, SwHILTC, SwTYLTC, and SwLTCPRM are set to .U=unmarried. If the Respondent's spouse did not respond then SwHILTC, SwTYLTC, and SwLTCPRM are set to .V=Spouse is non-response.

Exit Interview Variables

REHILTC indicates whether the Respondent was covered by long-term care insurance at time of death. RETYLTC indicates whether the long-term care insurance covered nursing home care only, in-home care only, or both. RELTCPRM indicates the amount in nominal dollars that the Respondent paid monthly for long-term care coverage.

If the proxy indicates that the Respondent was covered by long-term care insurance, then REHILTC is set to yes (=1). If the Respondent did not have coverage, then REHILTC is set to no (=0). Otherwise, REHILTC is set to a missing value based on missing values in the HRS variables.

From Wave 3 forward, there is a follow-up question(s) about the type of long-term care when the proxy indicates the Respondent had long-term care coverage. This question asks whether long-term care covered nursing home care only, long-term care at home, or both. RETYLTC indicates the type of long-term care coverage based on this question. If the Respondent did not have long-term coverage, then RETYLTC is set to skip (.S). RETYLTC is not asked about in Wave 2H, and is set to .Q for Exit Interviews that occur in this wave.

If a proxy indicates the Respondent had long-term care coverage at time of death, there are a series of follow-up questions asking the amount the Respondent paid monthly for long-term care insurance premiums. In all Waves, the proxy reports the amount paid as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are converted to monthly amounts. If the proxy does not report a clear time period for the amount paid (e.g., lump sum, "other"), then the monthly amount cannot be calculated and RELTCPRM is set to .K.

In Wave 2H, the long-term care premium amount is included with the premium amounts for "other" types of insurance. If a proxy indicates the Respondent had long-term care and another type of "other" insurance, then RELTCPRM is set to .C=Covered elsewhere. The total amount for all "other" insurance listed can be seen in REPRPRMx, where "x" indicates the plan number, 1 to 3. If the Respondent did not have long-term care coverage, then RELTCPRM is set to skip (.S).

The premium questions are asked in the Exit Interviews beginning in Wave 4. RELTCPRM is set to .Q for Exit Interviews that take place before Wave 4.

From Wave 6 forward, if the proxy indicates that the long-term care coverage was included in a previously described plan, then the premium questions are not asked and RELTCPRM is set to .C to indicate that the long-term care premium is covered elsewhere.

Cross Wave Differences in Original HRS Data

Core Interview Variables

In Wave 1, the health insurance questions are asked only of the Financial Respondent, about the Financial Respondent's insurance coverage and, if married, their spouse's insurance coverage. From Wave 2 forward, health insurance questions are asked of individual Respondents about their own coverage only.

In Waves 1, 2H and 2A, there is a lead-in question asking whether the Respondent has any other health insurance. In Waves 1 and 2H, the question is: "Do you have any type of health insurance coverage, Medigap or other supplemental coverage, or long-term care insurance that is purchased directly from an insurance company or through a membership organization such as AARP (the American Association of Retired Persons)?" In Wave 2A, the question is: "Do you have any (other) type of health insurance coverage?"

A follow-up question asks the type of insurance. In Wave 1, any of five possible answers may be given: 1) basic health ("Hospitalization"), 2) Medigap, 3) other supplemental health (AARP–NFS), 4) long-term care (incl. nursing home care) or 5) other(specify).

In Wave 2A, the question asks: "What kind of coverage do you have? Is it basic health insurance, a supplement to Medicare

(MEDIGAP) or other health insurance, long-term care insurance, or what?" There are 5 different answers: 1) Basic Health, 2) Medigap, 3) Other Supplemental plan, 4) Long-term Care and 5) Other Specify. Up to four responses are reported.

In Wave 2H, the question asks: "What kind of coverage do you have? Medigap or other supplemental health insurance, long-term care insurance, or what?)" The possible responses are: 1) Medigap, 2) Other Supplemental health, 3) Long-term Care (incl. Nursing home care), 4) Heart /cardiac policy, 5) Cancer, 6) dental insurance, 7) Major medical, 8) Hospitalization, 9) Disability, 10) Policy that pays so much per day and 11) Other specific type of insurance.

In Waves 1 and 2H, there is no question about the type of long-term care coverage. In Wave 2A, the type of long-term care coverage is asked in two questions. The first question asks: "Do any of your policies include long-term or nursing home care?" The second question asks: "Does this plan cover home care?"

In Waves 1, 2H and 2A, the question about premiums asks about the amount paid for all listed types of insurance the Respondent indicated in the follow-up question about the type of insurance. These options are listed above. In Wave 1 and 2H, the question asks: "How much do you pay for this insurance?" In Wave 2A, the question asks: "(Again, not counting Medicare,) (How much do you pay for this policy/Taken together, how much do you pay for these policies?)" If a Respondent indicates having long-term care and another type of "other" insurance, then RwLTCPRM is set to .C=Covered elsewhere.

In Wave 3 and forward, the long-term care question is asked separately: "Not including government programs, do you now have any insurance which specifically pays any part of long-term care, such as, personal or medical care in the home or in a nursing home?" The type of long-term care question is: "Does this plan cover care in a nursing home facility only, personal or long-term care at home, or both in-home and nursing home care?"

In Waves 3 to 5, the long-term care premium question is: "About how much do you pay for this plan?"

From Wave 6 forward, the long-term care premium question is: "How much do you (or your [husband/wife/partner]) pay for this plan?/How much do you (or your [husband/wife/partner]) pay for this long-term care coverage?" If the Respondent indicates that the long-term care coverage is from a previously described plan, then the premium questions are not asked and RwLTCPRM is set to .C to indicate that the long-term care premium is covered elsewhere.

Exit Interview Variables

In Wave 2H there is a lead-in question asking whether the Respondent has any other health insurance.

In Wave 2H, the question is: "Do you have any type of health insurance coverage, Medigap or other supplemental coverage, or long-term care insurance that is purchased directly from an insurance company or through a membership organization such as AARP (the American Association of Retired Persons)?" Note that in Wave 2H, there is no separately worded survey for the proxy.

A follow-up question asks the type of insurance. In Wave 2H, the question asks: "What kind of coverage do you have? Medigap or other supplemental health insurance, long-term care insurance, or what?" The possible responses are: 1) Medigap, 2) Other Supplemental health, 3) Long-term Care (incl. Nursing home care), 4) Heart /cardiac policy, 5) Cancer, 6) dental insurance, 7) Major medical, 8) Hospitalization, 9) Disability, 10) Policy that pays so much per day and 11) Other specific type of insurance.

In Wave 2H, there is no question about the type of long-term care coverage.

From Wave 3 forward, the long-term care question is asked separately: "Aside from the government programs, did [Respondent] have any insurance which specifically paid any part of long-term care, such as, personal or medical care in the home or in a nursing home?" The type of long-term care question is: "Did this plan cover care in a nursing home facility only, personal or long-term care at home, or both in-home and nursing home care?"

In Waves 4 and 5, the long-term care premium question is: "About how much was (he/she) paying for this plan before (his/her) death?"

From Wave 6 forward, the long-term care premium question is: "How much did (she/he) (or [you/ [his/her] [husband/wife/partner]])

pay per month for this (plan/long term coverage)?" If the Proxy indicates that the long-term care coverage is from a previously described plan, then the premium questions are not asked and RELTCPRM is set to .C to indicate that the long-term care premium is covered elsewhere.

HRS Variables Used

Core Interview Variables

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HRS 1992:
    VP6632          R14:COV FRM INS CO:IMP/ Sp-Prtnr
    VP6633          R14aA:CO/ORG:BASC HLTH/ Sp-Prtnr
    VP6634          R14aB:CO/ORG:MEDIGAP/ Sp-Prtnr
    VP6635          R14aC:CO/ORG:SUPPLMNTL/ Sp-Prtnr
    VP6636          R14aD:CO/ORG:LN-TRM CR/ Sp-Prtnr
    VP6637          R14aE:CO/ORG:OTHER/ Sp-Prtnr
    VP6638          R14B:CO/ORG:$ PLN :IMP/ Sp-Prtnr
    VP6639          R14B:CO/ORG:COST P:IMP/ Sp-Prtnr
    VR6632          R14:COV FRM INS CO:IMP/ Self
    VR6633          R14aA:CO/ORG:BASC HLTH/ Self
    VR6634          R14aB:CO/ORG:MEDIGAP/ Self
    VR6635          R14aC:CO/ORG:SUPPLMNTL/ Self
    VR6636          R14aD:CO/ORG:LN-TRM CR/ Self
    VR6637          R14aE:CO/ORG:OTHER/ Self
    VR6638          R14B:CO/ORG:$ PLN :IMP/ Self
    VR6639          R14B:CO/ORG:COST P:IMP/ Self
AHEAD 1993:
    B1859           R6. R OTHER HEALTH INSURANCE: ANY
    B1865A1         R7. R OTHER HEALTH INSURANCE: TYPE-1
    B1865A2         R7. R OTHER HEALTH INSURANCE: TYPE-2
    B1865A3         R7. R OTHER HEALTH INSURANCE: TYPE-3
    B1865A4         R7. R OTHER HEALTH INSURANCE: TYPE-4
    B1867           R9. R OTH HEALTH INS: TOTAL COST TO R
    B1868           R9a. R OTH HEALTH INSUR: TOT COST PERIOD
    B1879           R10. R LONG-TERM CARE INS: ANY
    B1881           R10b. R L-T CARE INS: COVER HOME CARE
HRS 1994:
    W6757           R14b.SUPPLEMENTARY HEALT
    W6758           R14c.KIND OF PRIVATE HEA
    W6759           R14c.KIND OF PRIVATE HEA
    W6760           R14c.KIND OF PRIVATE HEA
    W6761           R14c.KIND OF PRIVATE HEA
    W6762           R14d1.COST FOR PRIVATE H
    W6763           R14d2.PER
AHEAD 1995:
    D5263           R15.R LONG-TERM CARE
    D5264           R15A. L-T-C COVER
    D5267           R15D. L-T CARE PAY
    D5268           R15E.  PER R15D.
HRS 1996:
    E5266           R85.LTC INSURANCE
    E5267           R87.COVER NURSING HOME/IN-HOME CARE
    E5270           R90.AMT PAY FOR LTC
    E5271           R90.AMT PAY FOR LTC PER
HRS 1998:
    F5999           R85.LTC INSURANCE
    F6000           R87.COVER NURSING HOME/IN-HOME CARE
    F6003           R90.AMT PAY FOR LTC
    F6004           R90.AMT PAY FOR LTC-PER
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HRS 2000:
    G6393           R85.LTC INSURANCE
    G6394           R87.COVER NURSING HOME/IN-HOME CARE
    G6397           R90.AMT PAY FOR LTC
    G6398           R90Y1.PER
HRS 2022:
    SN073M1         LTC COV - WHICH PREV MENTION PLAN - 1
    SN073M2         LTC COV - WHICH PREV MENTION PLAN - 2
    SN073M3         LTC COV - WHICH PREV MENTION PLAN - 3
HRS 2002-2016:
    xN072           LTC COV- NEW OR PRE MENTION PLAN
HRS 2002-2020:
    xN073           LTC COV- WHICH PREV MENTION PLAN
HRS 2002-2022:
    xN071           LTC INSURANCE
    xN075           COVER NURSING HOME/IN-HOME CARE
    xN079           AMT PAY FOR LTC
    xN083           AMT PAY FOR LTC PER
```

Exit Interview Variables

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HRS 1994:
    W6757           R14b.SUPPLEMENTARY HEALT
    W6758           R14c.KIND OF PRIVATE HEA
    W6759           R14c.KIND OF PRIVATE HEA
    W6760           R14c.KIND OF PRIVATE HEA
    W6761           R14c.KIND OF PRIVATE HEA
    W6762           R14d1.COST FOR PRIVATE H
    W6763           R14d2.PER
AHEAD 1995:
    N5394           R15.R LONG-TERM CARE
    N5395           R15a.L-T-C COVER
HRS 1996:
    P2286           R15.R LONG-TERM CARE
    P2287           R15a. L-T-C COVER
HRS 1998:
    Q2664           R85.LTC INSURANCE
    Q2665           R87.COVER NURSING HOME/IN-HOME CARE
    Q2668           R90.AMT PAY FOR LTC
    Q2669           R90.PAY FOR LONG TERM CARE - PER
HRS 2000:
    R2700           R85.LTC INSURANCE
    R2701           R87.COVER NURSING HOME/IN-HOME CARE
    R2704           R90.AMT PAY FOR LTC
    R2705           R90Y1.PER
HRS 2022:
    XSN073M1        LTC COV - WHICH PREV MENTION PLAN-1
    XSN073M2        LTC COV - WHICH PREV MENTION PLAN-2
    XSN073M3        LTC COV - WHICH PREV MENTION PLAN-3
HRS 2002-2016:
    xN072           LTC COV- NEW OR PRE MENTION PLAN
HRS 2002-2020:
    xN073           LTC COV- WHICH PREV MENTION PLAN
HRS 2002-2022:
    xN071           LTC INSURANCE
    xN075           COVER NURSING HOME/IN-HOME CARE
    xN079           AMT PAY FOR LTC
    xN083           AMT PAY FOR LTC PER
```

Tracker Variables

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Tracker:
    AFINR               WHETHER FINANCIAL RESPONDENT
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Covered by life insurance

Wave	Variable	Label	Type
1	R1LIFEIN	R1LIFEIN:W1 R has Life Insurance	Categ
2	R2LIFEIN	R2LIFEIN:W2 R has Life Insurance	Categ
3	R3LIFEIN	R3LIFEIN:W3 R has Life Insurance	Categ
4	R4LIFEIN	R4LIFEIN:W4 R has Life Insurance	Categ
5	R5LIFEIN	R5LIFEIN:W5 R has Life Insurance	Categ
6	R6LIFEIN	R6LIFEIN:W6 R has Life Insurance	Categ
7	R7LIFEIN	R7LIFEIN:W7 R has Life Insurance	Categ
8	R8LIFEIN	R8LIFEIN:W8 R has Life Insurance	Categ
9	R9LIFEIN	R9LIFEIN:W9 R has Life Insurance	Categ
10	R10LIFEIN	R10LIFEIN:W10 R has Life Insurance	Categ
11	R11LIFEIN	R11LIFEIN:W11 R has Life Insurance	Categ
12	R12LIFEIN	R12LIFEIN:W12 R has Life Insurance	Categ
13	R13LIFEIN	R13LIFEIN:W13 R has Life Insurance	Categ
14	R14LIFEIN	R14LIFEIN:W14 R has Life Insurance	Categ
15	R15LIFEIN	R15LIFEIN:W15 R has Life Insurance	Categ
16	R16LIFEIN	R16LIFEIN:W16 R has Life Insurance	Categ
1	S1LIFEIN	S1LIFEIN:W1 S has Life Insurance	Categ
2	S2LIFEIN	S2LIFEIN:W2 S has Life Insurance	Categ
3	S3LIFEIN	S3LIFEIN:W3 S has Life Insurance	Categ
4	S4LIFEIN	S4LIFEIN:W4 S has Life Insurance	Categ
5	S5LIFEIN	S5LIFEIN:W5 S has Life Insurance	Categ
6	S6LIFEIN	S6LIFEIN:W6 S has Life Insurance	Categ
7	S7LIFEIN	S7LIFEIN:W7 S has Life Insurance	Categ
8	S8LIFEIN	S8LIFEIN:W8 S has Life Insurance	Categ
9	S9LIFEIN	S9LIFEIN:W9 S has Life Insurance	Categ
10	S10LIFEIN	S10LIFEIN:W10 S has Life Insurance	Categ
11	S11LIFEIN	S11LIFEIN:W11 S has Life Insurance	Categ
12	S12LIFEIN	S12LIFEIN:W12 S has Life Insurance	Categ
13	S13LIFEIN	S13LIFEIN:W13 S has Life Insurance	Categ
14	S14LIFEIN	S14LIFEIN:W14 S has Life Insurance	Categ
15	S15LIFEIN	S15LIFEIN:W15 S has Life Insurance	Categ
16	S16LIFEIN	S16LIFEIN:W16 S has Life Insurance	Categ
1	R1WLIPRM	R1WLIPRM:W1 Whole Life Insurance Monthly Premium	Cont
2	R2WLIPRM	R2WLIPRM:W2 Whole Life Insurance Monthly Premium	Cont
3	R3WLIPRM	R3WLIPRM:W3 Whole Life Insurance Monthly Premium	Cont
5	R5WLIPRM	R5WLIPRM:W5 Whole Life Insurance Monthly Premium	Cont
6	R6WLIPRM	R6WLIPRM:W6 Whole Life Insurance Monthly Premium	Cont
7	R7WLIPRM	R7WLIPRM:W7 Whole Life Insurance Monthly Premium	Cont
8	R8WLIPRM	R8WLIPRM:W8 Whole Life Insurance Monthly Premium	Cont
9	R9WLIPRM	R9WLIPRM:W9 Whole Life Insurance Monthly Premium	Cont
10	R10WLIPRM	R10WLIPRM:W10 Whole Life Insurance Monthly Premium	Cont
11	R11WLIPRM	R11WLIPRM:W11 Whole Life Insurance Monthly Premium	Cont
12	R12WLIPRM	R12WLIPRM:W12 Whole Life Insurance Monthly Premium	Cont
13	R13WLIPRM	R13WLIPRM:W13 Whole Life Insurance Monthly Premium	Cont
14	R14WLIPRM	R14WLIPRM:W14 Whole Life Insurance Monthly Premium	Cont
15	R15WLIPRM	R15WLIPRM:W15 Whole Life Insurance Monthly Premium	Cont
16	R16WLIPRM	R16WLIPRM:W16 Whole Life Insurance Monthly Premium	Cont
1	S1WLIPRM	S1WLIPRM:W1 Whole Life Insurance Monthly Premium	Cont
2	S2WLIPRM	S2WLIPRM:W2 Whole Life Insurance Monthly Premium	Cont
3	S3WLIPRM	S3WLIPRM:W3 Whole Life Insurance Monthly Premium	Cont
5	S5WLIPRM	S5WLIPRM:W5 Whole Life Insurance Monthly Premium	Cont
6	S6WLIPRM	S6WLIPRM:W6 Whole Life Insurance Monthly Premium	Cont
7	S7WLIPRM	S7WLIPRM:W7 Whole Life Insurance Monthly Premium	Cont
8	S8WLIPRM	S8WLIPRM:W8 Whole Life Insurance Monthly Premium	Cont
9	S9WLIPRM	S9WLIPRM:W9 Whole Life Insurance Monthly Premium	Cont
10	S10WLIPRM	S10WLIPRM:W10 Whole Life Insurance Monthly Premium	Cont
11	S11WLIPRM	S11WLIPRM:W11 Whole Life Insurance Monthly Premium	Cont
12	S12WLIPRM	S12WLIPRM:W12 Whole Life Insurance Monthly Premium	Cont
13	S13WLIPRM	S13WLIPRM:W13 Whole Life Insurance Monthly Premium	Cont
14	S14WLIPRM	S14WLIPRM:W14 Whole Life Insurance Monthly Premium	Cont
15	S15WLIPRM	S15WLIPRM:W15 Whole Life Insurance Monthly Premium	Cont
16	S16WLIPRM	S16WLIPRM:W16 Whole Life Insurance Monthly Premium	Cont

1	R1TLIPRM	R1TLIPRM:W1 Term Life Insurance Monthly Premium	Cont
2	R2TLIPRM	R2TLIPRM:W2 Term Life Insurance Monthly Premium	Cont
3	R3TLIPRM	R3TLIPRM:W3 Term Life Insurance Monthly Premium	Cont
1	S1TLIPRM	S1TLIPRM:W1 Term Life Insurance Monthly Premium	Cont
2	S2TLIPRM	S2TLIPRM:W2 Term Life Insurance Monthly Premium	Cont
3	S3TLIPRM	S3TLIPRM:W3 Term Life Insurance Monthly Premium	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LIFEIN	12469	0.70	0.46	0.0	1.0
R2LIFEIN	19375	0.67	0.47	0.0	1.0
R3LIFEIN	17802	0.68	0.47	0.0	1.0
R4LIFEIN	21151	0.69	0.46	0.0	1.0
R5LIFEIN	19344	0.67	0.47	0.0	1.0
R6LIFEIN	17915	0.66	0.47	0.0	1.0
R7LIFEIN	19887	0.66	0.47	0.0	1.0
R8LIFEIN	18240	0.64	0.48	0.0	1.0
R9LIFEIN	16975	0.63	0.48	0.0	1.0
R10LIFEIN	21480	0.59	0.49	0.0	1.0
R11LIFEIN	20247	0.58	0.49	0.0	1.0
R12LIFEIN	18449	0.57	0.50	0.0	1.0
R13LIFEIN	20517	0.55	0.50	0.0	1.0
R14LIFEIN	16815	0.55	0.50	0.0	1.0
R15LIFEIN	15340	0.53	0.50	0.0	1.0
R16LIFEIN	15366	0.52	0.50	0.0	1.0
S1LIFEIN	10092	0.72	0.45	0.0	1.0
S2LIFEIN	13128	0.72	0.45	0.0	1.0
S3LIFEIN	11842	0.73	0.44	0.0	1.0
S4LIFEIN	13892	0.74	0.44	0.0	1.0
S5LIFEIN	12624	0.71	0.45	0.0	1.0
S6LIFEIN	11525	0.71	0.45	0.0	1.0
S7LIFEIN	12848	0.71	0.46	0.0	1.0
S8LIFEIN	11622	0.69	0.46	0.0	1.0
S9LIFEIN	10538	0.67	0.47	0.0	1.0
S10LIFEIN	13229	0.63	0.48	0.0	1.0
S11LIFEIN	12343	0.62	0.49	0.0	1.0
S12LIFEIN	10895	0.60	0.49	0.0	1.0
S13LIFEIN	11623	0.59	0.49	0.0	1.0
S14LIFEIN	9232	0.58	0.49	0.0	1.0
S15LIFEIN	8329	0.55	0.50	0.0	1.0
S16LIFEIN	7702	0.55	0.50	0.0	1.0
R1WLIPRM	3560	59.87	129.07	0.0	3500.0
R2WLIPRM	1759	30.06	151.66	0.0	4333.3
R3WLIPRM	1672	43.30	336.49	0.0	7500.0
R5WLIPRM	3778	114.68	626.78	0.0	8333.0
R6WLIPRM	4397	70.75	282.60	0.0	10000.0
R7WLIPRM	4954	289.17	1761.14	0.0	60000.0
R8WLIPRM	4300	86.84	1089.86	0.0	70000.0
R9WLIPRM	3927	84.09	587.70	0.0	33330.0
R10WLIPRM	4681	79.37	458.04	0.0	29088.0
R11WLIPRM	4391	83.80	284.58	0.0	11827.0
R12WLIPRM	3985	83.39	206.29	0.0	6666.7
R13WLIPRM	4021	99.80	330.71	0.0	10000.0

R14WLIPRM	3286	153.88	2310.43	0.0	100000.0
R15WLIPRM	2781	97.17	185.07	0.0	4000.0
R16WLIPRM	2754	181.06	2074.11	0.0	93000.0
S1WLIPRM	3051	59.73	111.88	0.0	1700.0
S2WLIPRM	1181	30.53	111.78	0.0	2500.0
S3WLIPRM	1034	56.82	420.92	0.0	7500.0
S5WLIPRM	2692	116.52	592.14	0.0	8333.0
S6WLIPRM	3118	75.54	276.51	0.0	10000.0
S7WLIPRM	3492	348.36	1982.03	0.0	60000.0
S8WLIPRM	3026	98.93	1291.77	0.0	70000.0
S9WLIPRM	2702	91.25	680.96	0.0	33330.0
S10WLIPRM	3132	87.57	543.31	0.0	29088.0
S11WLIPRM	2839	86.88	300.96	0.0	11827.0
S12WLIPRM	2487	89.17	186.47	0.0	3318.0
S13WLIPRM	2409	105.31	335.89	0.0	10000.0
S14WLIPRM	1843	148.98	1967.16	0.0	83333.3
S15WLIPRM	1465	104.31	197.18	0.0	4000.0
S16WLIPRM	1376	216.74	2611.38	0.0	93000.0
R1TLIPRM	5382	29.78	74.24	0.0	2100.0
R2TLIPRM	7356	27.26	83.24	0.0	4333.3
R3TLIPRM	2069	24.93	109.69	0.0	3309.0
S1TLIPRM	4369	30.38	68.89	0.0	900.0
S2TLIPRM	5192	29.52	68.05	0.0	2000.0
S3TLIPRM	1094	23.63	94.80	0.0	2500.0

Categorical Variable Codes

RwLIFEIN: R has Life Insurance

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	20	74	63	103	114	140	123	125	139	160
.J=Web interview, missing										
.M=Oth missing	95	125	86	72	49	18	36	22	23	278
.R=RF	68	68	40	58	71	92	83	82	80	116
0.No	3728	6418	5682	6496	6418	6066	6793	6490	6343	8843
1.Yes	8741	12957	12120	14655	12926	11849	13094	11750	10632	12637

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	127	122	109	74	86	84
.J=Web interview, missing				39	40	39
.M=Oth missing	60	63	138	114	169	173
.R=RF	120	113	148	104	88	125
0.No	8591	8004	9238	7613	7275	7392
1.Yes	11656	10445	11279	9202	8065	7974

SwLIFEIN: S has Life Insurance

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	28	48	30	44	57	62	63	69	64	79
.J=Web interview, missing										
.M=Oth missing	95	79	30	16	10	6	12	5	5	149
.R=RF	64	35	15	28	39	46	49	39	39	56
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		384	417	536	311	220	380	317	365	724
0.No	2840	3739	3204	3618	3602	3362	3787	3658	3464	4890
1.Yes	7252	9389	8638	10274	9022	8163	9061	7964	7074	8339

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	68	53	44	32	45	37
.J=Web interview, missing				31	28	21
.M=Oth missing	14	18	38	26	32	34
.R=RF	59	46	74	37	43	46
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	4741	4325	4788	3849	3707	3491
1.Yes	7602	6570	6835	5383	4622	4211

How Constructed

RwLIFEIN indicates whether the Respondent has any life insurance. This encompasses both whole life insurance policies, which are valid for an individual's entire life and include an investment component, as well as term life insurance policies, which are only valid for a predetermined period of time. RwWLIPRM indicates the amount in nominal dollars that the Respondent pays monthly for whole life insurance. RwTLIPRM indicates the amount in nominal dollars that the Respondent pays monthly for term life insurance. SwLIFEIN, SwWLIPRM, and SwTLIPRM provide this information for the Respondent's spouse or partner.

Life insurance coverage can be identified in all waves. The question asks if the Respondent (and in Waves 1 and 2A, the Financial Respondent's spouse) has any life insurance. The wording varies slightly across waves. It is asked at the household level of the Financial Respondent in Waves 1 and 2A, and at the Respondent level in Wave 2H and from Wave 3 forward. The variable for this question (RwLIFEIN) is simply recoded to 0/1 (No/Yes) and for missing values.

In Waves 1 through 3A, a series of follow up questions asks Respondents if any of these policies are for term life insurance, and if so, how much the premium is for their term life insurance [policy/policies]. The Respondent reports the amount paid as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are converted to monthly amounts and reported in RwTLIPRM. If the Respondent does not report a clear time period for amount paid (e.g., missing, lump sum, "other"), then the monthly amount cannot be calculated and RwTLIPRM is set to .K. From Wave 3H forward, the question is not asked; in Wave 3H, RwTLIPRM is set to .Q and from Wave 4 forward, RwTLIPRM and SwTLIPRM are not available.

In Waves 1, 2A, 3A, and from Wave 5 forward, a series of follow up questions asks Respondents if any of these policies are for whole life insurance, and if so, how much the premium is for their whole life insurance [policy/policies]. The Respondent reports the amount paid as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are converted to monthly amounts and reported in RwWLIPRM. If the Respondent does not report a clear time period for amount paid (e.g., missing, lump sum, "other"), then the monthly amount cannot be calculated and RwWLIPRM is set to .K. In Waves 2H, 3H, and 4, the question is not asked; in Waves 2H and 3H RwWLIPRM is set to .Q and in Wave 4, RwWLIPRM and SwWLIPRM are not available.

For Waves 1 and 2A, SwLIFEIN, SwWLIPRM, and SwTLIPRM are taken from the Financial Respondent's information as appropriate. That is, if the Respondent is the Financial Respondent, then SwLIFEIN, SwWLIPRM, and SwTLIPRM contain the Financial Respondent's spouse's information. If the Respondent is the spouse of the Financial Respondent, then SwLIFEIN, SwWLIPRM, and SwTLIPRM contain the Financial Respondent's information.

In Wave 2H and from Wave 3 forward, the spouse information is taken from the spouse's self-reported RwLIFEIN, RwWLIPRM, and RwTLIPRM variables, if available.

If the Respondent is not married, SwLIFEIN, SwWLIPRM, and SwTLIPRM are set to .U=unmarried. If the Respondent's spouse did not respond then SwLIFEIN, SwWLIPRM, and SwTLIPRM are set to .V=Spouse is non-response.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2A, the life insurance questions are asked only of the Financial Respondent. Questions inquire about the Financial Respondent's insurance coverage and, if married, their spouse's insurance coverage. In Wave 2H and from Wave 3 forward, life insurance questions are asked of individual Respondents about their own coverage only.

For life insurance coverage, the question wording has varied slightly over time. In Waves 1, 2H, 5, and 6 forward, the question asks: "Do you have any life insurance, including individual or group policies?"

In Wave 2A, the question is preceded by: "My next questions are about life insurance. (First I will ask about insurance on own life then about insurance on your [spouse]'s life." The question then asks, "Do you yourself have any life insurance, including individual or group policies from a former employer or union or some other source?"

In Wave 1 and Wave 2A, a second question asks the Financial Respondent: "Does your [spouse] have any life insurance, including individual or group policies?"

In Wave 3A the question asks: "My next questions are about life insurance. Do you yourself have any life insurance, including individual or group policies from a former employer or union or some other source?"

In Waves 3H and 4 the question asks: "Do you currently have any life insurance?"

For term life insurance premiums, the question wording varies. In Waves 1 and 2H, the initial question asks, "Are any of these group or individual term insurance policies?" and the follow up questions asks, "About how much do you pay for (this/these) term insurance (policy/policies) each month or year?"

In Waves 2A and 3A, the initial question asks "Are any of these term insurance policies?" If the Respondent indicates they have only one term life insurance policy, the follow up question asks, "About how much do you pay for that insurance?" If the Respondent indicates they have more than one term life insurance policy, in Wave 2A, the follow up question asks, "About how much do you pay for the largest term insurance policy you have?" and in Wave 3A asks, "How much (in total) do you pay in premiums for term insurance?"

In Wave 2A, note that for term life insurance premiums, only the premium for the largest term policy is recorded. Also note that from Wave 4 forward, there are no questions about term life insurance premiums.

For whole life insurance premiums, the question wording varies across Waves. In Waves 1, 2A, and 3A, the initial question asks, "Do you have any life insurance policies that build up a cash value or that you can borrow on?" and includes the clarification, "Def: (These are sometimes called 'Whole Life' or 'Straight Life Policies.')"

In Wave 1, the follow up question asks, "How much in total are the monthly or annual premiums on [this policy/the two (largest) policies]?"

In Waves 2A and 3A, the follow up question asks, "How much (in total) do you pay in premiums on (this policy/all these policies)?"

From Wave 5 forward, the initial question asks, "(Altogether) about how much do you pay for [this policy/these policies] each month or year?" and the follow up questions asks, "[Is this a life insurance policy that builds/Are any of these life insurance policies ones that build] up a cash value that you can borrow against, or that you would receive if the policy were to be cancelled?"

Note for any whole life insurance premiums in Wave 1, only the premium for the largest two whole life insurance policies are recorded. Also note that in Waves 2H, 3H, and 4, there are no questions about whole life insurance premiums.

HRS Variables Used

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HRS 1992:
    VP6701          R16:HAVE LIFE INSURANC/ Sp-Prtnr
    VP6702          R17:TERM INS POLICIES/ Sp-Prtnr
    VP6705          R17C:TRM IN:$ INS COST/ Sp-Prtnr
    VP6706          R17C:TRM IN:PAY MO/YR/ Sp-Prtnr
    VP6711          R18:BUILD*CASH VAL*POL/ Sp-Prtnr
    VP6714          R18C:*CV1:$ PREMIUMS/ Sp-Prtnr
    VP6715          R18C:*CV1:MTHLY/ANNLY/ Sp-Prtnr
    VP6716          R18C:*CV2:$ PREMIUMS/ Sp-Prtnr
    VP6717          R18C:*CV2:MTHLY/ANNLY/ Sp-Prtnr
    VR6701          R16:HAVE LIFE INSURANC/ Self
    VR6702          R17:TERM INS POLICIES/ Self
    VR6705          R17C:TRM IN:$ INS COST/ Self
    VR6706          R17C:TRM IN:PAY MO/YR/ Self
    VR6711          R18:BUILD*CASH VAL*POL/ Self
    VR6714          R18C:*CV1:$ PREMIUMS/ Self
    VR6715          R18C:*CV1:MTHLY/ANNLY/ Self
    VR6716          R18C:*CV2:$ PREMIUMS/ Self
    VR6717          R18C:*CV2:MTHLY/ANNLY/ Self
AHEAD 1993:
    B1884           R11. R LIFE INSURANCE: ANY
    BP1884          R11|18.LIFE INSURANCE:ANY/Sp-P
    BP1885          R12|19.TERM LIFE INS:ANY/Sp-P
    BP1887          R12b|19b.TERM LIFE INS:POLICY COST/Sp-P
    BP1888          R12c|19c.TERM LIFE INS:COST PERIOD/Sp-P
    BP1893          R15|22.WHOLE LIFE INS:ANY/Sp-P
    BP1895          R15b|22b.WHOLE LIFE INS:TOT PREMIUM/Sp-P
    BP1896          R15c|22c.WHL LIFE INS:PREMIUM PER/Sp
    BR1884          R11|18.LIFE INSURANCE:ANY/Self
    BR1885          R12|19.TERM LIFE INS:ANY/Self
    BR1887          R12b|19b.TERM LIFE INS:POLICY COST/Self
    BR1888          R12c|19c.TERM LIFE INS:COST PERIOD/Self
    BR1893          R15|22.WHOLE LIFE INS:ANY/Self
    BR1895          R15b|22b.WHOLE LIFE INS:TOT PREMIUM/Self
    BR1896          R15c|22c.WHL LIFE INS:PREMIUM PER/Slf
HRS 1994:
    W6764           R15.LIFE INSURANCE
    W6765           R16.GROUP/INDIVIDUAL TER
    W6768           R16c1.COST FOR TERM INSU
    W6769           R16c2.PER
AHEAD 1995:
    D5279           R16.R LIFE INS
    D5280           R16A.R TERM INS
    D5284           R16C. R INS PAY$ TERM
    D5285           R16D.PER R16C
    D5297           R18.R WHOLE LIFE INS
    D5299           R18B.R LIFE INS PREM$
    D5300           R18C.PER R15B
HRS 1996:
    E5284           R94.HAVE ANY LIFE INSURANCE
HRS 1998:
    F6015           R94.HAVE ANY LIFE INSURANCE
HRS 2000:
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    G6409           R94.HAVE ANY LIFE INSURANCE
    G6419           R95.NUMBER LIFE INSURANCE POLICIES
    G6429           R99.POLICIES BUILD UP CASH VALUE
    G6438           R99C.AMOUNT PAY FOR PREMIUMS
    G6439           R99C1.PER
HRS 2002-2022:
    xT011           R HAVE ANY LIFE INSURANCE
    xT012           NUMBER OF DIFF LIFE INS POLICIES R HAS
    xT018           R HAVE WHOLE/STRAIGHT LIFE INS POLICIES
    xT024           TOTAL AMT R PAY FOR LIFE INS POLICIES
    xT025           TOTAL AMT R PAY FOR LIFE INS - PER
HRS 2004-2022:
    xT026           TOTAL AMT R PAY FOR LIFE INS POLIC - MIN
    xT027           TOTAL AMT R PAY FOR LIFE INS POLIC - MAX
    xT028           TOTAL AMT R PAY FOR LIFE INS POLIC - RES
Tracker:
    xFINR               1992-1993 WHETHER FINANCIAL RESPONDENT
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Section M: Family Structure

Number of people living in the household

Wave	Variable	Label	Type
1	H1HHRES	H1HHRES:W1 Number of people in HH	Cont
2	H2HHRES	H2HHRES:W2 Number of people in HH	Cont
3	H3HHRES	H3HHRES:W3 Number of people in HH	Cont
4	H4HHRES	H4HHRES:W4 Number of people in HH	Cont
5	H5HHRES	H5HHRES:W5 Number of people in HH	Cont
6	H6HHRES	H6HHRES:W6 Number of people in HH	Cont
7	H7HHRES	H7HHRES:W7 Number of people in HH	Cont
8	H8HHRES	H8HHRES:W8 Number of people in HH	Cont
9	H9HHRES	H9HHRES:W9 Number of people in HH	Cont
10	H10HHRES	H10HHRES:W10 Number of people in HH	Cont
11	H11HHRES	H11HHRES:W11 Number of people in HH	Cont
12	H12HHRES	H12HHRES:W12 Number of people in HH	Cont
13	H13HHRES	H13HHRES:W13 Number of people in HH	Cont
14	H14HHRES	H14HHRES:W14 Number of people in HH	Cont
15	H15HHRES	H15HHRES:W15 Number of people in HH	Cont
16	H16HHRES	H16HHRES:W16 Number of people in HH	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1HHRES	12652	2.74	1.33	1.0	14.0
H2HHRES	19638	2.31	1.19	1.0	14.0
H3HHRES	17991	2.29	1.27	1.0	16.0
H4HHRES	21384	2.28	1.23	1.0	19.0
H5HHRES	19578	2.22	1.20	1.0	18.0
H6HHRES	18165	2.14	1.08	1.0	15.0
H7HHRES	20129	2.24	1.17	1.0	15.0
H8HHRES	18469	2.20	1.14	1.0	14.0
H9HHRES	17217	2.15	1.12	1.0	15.0
H10HHRES	22034	2.37	1.32	1.0	14.0
H11HHRES	20554	2.34	1.32	1.0	15.0
H12HHRES	18747	2.31	1.30	1.0	15.0
H13HHRES	20912	2.41	1.37	1.0	14.0
H14HHRES	17146	2.37	1.36	1.0	14.0
H15HHRES	15723	2.32	1.31	1.0	17.0
H16HHRES	15787	2.32	1.34	1.0	13.0

How Constructed

HwHHRES counts the number of residents in the household, including the Respondent and spouse.

Number of residents in the household for Waves 1 and 2H are derived by counting the number of people reported in the household roster. All household residents, including the Respondent and spouse, appear as observations in the HHLIST files for these waves. They are counted in preprocessing that collapses the household roster to Respondent-level observations.

In Wave 2A, household residents are identified by the HHMEMADD flag in the other-persons file and counted by household. If a household resident is married, the spouse is considered a resident as well. If the household is missing from the other-persons file, the number in the household, not including the Respondent and spouse, is taken from a direct question.

The number of residents from Wave 3 forward can be ascertained by checking the status for each person listed on the household roster. The household roster includes household residents and non-resident children but not the Respondent and spouse. The status variable indicates whether a person is a resident or not. In Waves 3 to 5, the status variable for spouses of people on the household roster is checked for residency as well. The temporarily away status is NOT considered an indicator of residence for this variable. From Wave 6 forward, resident spouses of household members are listed as individuals on the household roster.

Anyone with a status indicating residence is counted for the household. In Wave 2A and from Wave 3 forward, we use HwCPL to determine whether households contain a Respondent only or Respondent + spouse partner and add one or two, respectively, to the other household member count. Please see the "Whether Couple Household" for a description of the HwCPL variable.

Cross Wave Differences in Original HRS Data

Information about household members is provided at the household-level and is given by the cover sheet Respondent at each wave.

In Waves 1 and 2H, the raw HRS data provide household resident data in a separate section with one observation per household resident. Preprocessing of Wave 1 and 2H data collapses the household resident-level observations to the household-level and then assigns them to each Respondent.

In Wave 2A, the AHEAD data provide information about household residents and children in a separate other-persons file. Additionally, in Wave 2A, a direct question asks about the number of household residents; this question is answered by the first Respondent in the household, called the cover sheet Respondent in later waves.

From Wave 3 forward, the resident and non-resident children and other household residents are found in the HRS PR_MC section. A status variable indicates whether the individual, including a child, is a household resident or not. Household resident information is provided by the cover sheet Respondent and information about children is updated by the Family Respondent.

In Waves 1 and 2H, the Respondent and spouse are included in the household roster, along with other household members and their spouses. In Wave 2A and from Wave 3 forward, the Respondent and spouse are not included in the household roster. Couples among other household members appear on one observation in Waves 2A, 3, 4, and 5. In Wave 2A, marital status of residents indicates whether a spouse also resides in the household. From Wave 3 to Wave 5, a spouse status variable indicates whether the spouse is a resident. From Wave 6 forward, household members' spouses are included as individuals on the household roster as they were in 1992 and 1994.

In Wave 2A the direct question about the number of household residents that is asked of the cover sheet Respondent is:

"Other than you [and your (husband/wife/partner)], how many people are living with you?"

HRS Variables Used

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HRS 1992:
    VNHLST          HRS W1: # on HHLIST
AHEAD 1993:
    B407            D3. # OTHERS IN HH (BESIDES R AND SP)
    BSUBHH          1993 SUB-HOUSEHOLD IDENTIFIER
    HHMEMADD        HOUSEHOLD MEMBER ADDED BY STAFF
    MARSTATP        MARITAL STATUS CHILD/OTHR HHM
HRS 1994:
    W8307           Moved out:Year
AHEAD 1995:
    D13             HHMEM SP STATUS
    D6              HHMEM STATUS W2
    DHHID           DHHID: AHD 95 Household ID (char7)
HRS 1996:
    E13             HHMEM S/P STATUS
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    E6              UPDATED HHMEM STATUS
    EHHID           EHHID: HRS 96 Household ID (char7)
HRS 1998:
    F14             HHMEM SP STATUS
    F7              HHMEM STATUS
    FHHID           FHHID: HRS 98 Household ID (char7)
HRS 2000:
    G14             HHMEM SP STATUS - UPDATED
    G7              HHMEM STATUS - UPDATED
    GHHID           GHHID: HRS 00 Household ID (char7)
HRS 2002-2022:
    xX056_MC        RESIDENCY STATUS-UPDATED
Tracker:
    HHID                HOUSEHOLD IDENTIFIER
    xIWTYPE             1992-2022 INTERVIEW TYPE
    xSUBHH              1993-1994 SUB-HOUSEHOLD IDENTIFIER
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Number of children

Wave	Variable	Label	Type
1	H1CHILD	H1CHILD:W1 Number of living children R/P	Cont
2	H2CHILD	H2CHILD:W2 Number of living children R/P	Cont
3	H3CHILD	H3CHILD:W3 Number of living children R/P	Cont
4	H4CHILD	H4CHILD:W4 Number of living children R/P	Cont
5	H5CHILD	H5CHILD:W5 Number of living children R/P	Cont
6	H6CHILD	H6CHILD:W6 Number of living children R/P	Cont
7	H7CHILD	H7CHILD:W7 Number of living children R/P	Cont
8	H8CHILD	H8CHILD:W8 Number of living children R/P	Cont
9	H9CHILD	H9CHILD:W9 Number of living children R/P	Cont
10	H10CHILD	H10CHILD:W10 Number of living children R/P	Cont
11	H11CHILD	H11CHILD:W11 Number of living children R/P	Cont
12	H12CHILD	H12CHILD:W12 Number of living children R/P	Cont
13	H13CHILD	H13CHILD:W13 Number of living children R/P	Cont
14	H14CHILD	H14CHILD:W14 Number of living children R/P	Cont
15	H15CHILD	H15CHILD:W15 Number of living children R/P	Cont
16	H16CHILD	H16CHILD:W16 Number of living children R/P	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1CHILD	12553	3.36	2.10	0.0	11.0
H2CHILD	19491	3.13	2.16	0.0	11.0
H3CHILD	17960	3.17	2.16	0.0	11.0
H4CHILD	21315	3.19	2.14	0.0	11.0
H5CHILD	19538	3.24	2.16	0.0	11.0
H6CHILD	18144	3.28	2.16	0.0	11.0
H7CHILD	20071	3.18	2.12	0.0	11.0
H8CHILD	18426	3.21	2.10	0.0	11.0
H9CHILD	17180	3.24	2.11	0.0	11.0
H10CHILD	21944	3.12	2.05	0.0	11.0
H11CHILD	20511	3.14	2.06	0.0	11.0
H12CHILD	18724	3.15	2.06	0.0	11.0
H13CHILD	20836	3.01	2.02	0.0	11.0
H14CHILD	17129	3.02	2.03	0.0	11.0
H15CHILD	15697	2.96	2.00	0.0	11.0
H16CHILD	15704	2.89	2.00	0.0	11.0

How Constructed

HwCHILD provides the number of living, in contact children of the Respondent and spouse or partner.

The number of living, in-contact children is summed, including anyone who is a child or step-child of the Respondent or spouse. Counts of individual children are assigned to the HwCHILD variables. All of the Respondent's and spouse's living children are counted for one total. For confidentiality protection, HRS limits the value of this measure to a maximum so HwCHILD=11 indicates the Respondent and spouse have 11 or more living, in contact children. For a count of biological children born to the Respondent, see RwEVBRN and related variables.

From Wave 3 forward, living, in contact children are counted from child status variables in the household roster. The status is checked to ensure the child is alive and in contact. The relationships to both Respondents are checked for child or step-child. In contact

living children of either Respondent are counted. If the status of any child is unknown, they are not included in the count. If there are no children listed in HRS PR_MC for the household and the maximum number of children derived in prior waves is zero, then HwCHILD is set to zero.

From Wave 3 forward, there are also coverscreen variables that indicate the number of living, resident, and non-resident children. These may or may not agree with the count of children in the PR_MC data. These are checked for reasonability with the number of children ever born and living at the time of interview and with HwCHILD derived for other waves, accounting for changes in household composition. If reasonable, coverscreen values are used to fill HwCHILD when it is missing after the PR_MC counts.

In Waves 1 and 2H, living children are counted from among children in the KIDS file. In Wave 2A, living children are counted from among the children in the Other-Persons file based on relationships to the male and female members of the AHEAD couple. If a household is missing any children using this method, a direct question to the Family Respondent is used.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2H, the raw HRS data provide child-level data in a separate section with separate observations for each child, including in-laws. Preprocessing of Wave 1 and 2H data collapses the child-level observations to each Respondent.

In Wave 2A, the AHEAD data provide information about household residents and children in a separate other-persons file. Additionally, in Wave 2A, direct questions about the number of children are asked of the Family Respondent. The question is:

"How many (other) living children or step-children do you [or your husband/wife/partner)] have?"

From Wave 3 forward, the child data needed to derive these variables can be found in the HRS PR_MC section, for the appropriate wave. The PR_MC data include an observation for each child, regardless of whether the child is a resident or a non-resident, and all other household residents. A status variable indicates whether an individual is a resident and whether a child is alive and in contact. There are relationship codes for both the Family and Non-Family Respondent, from which children can be identified. Beginning in Wave 6, spouses of children appear as separate observations in the PR_MC data, and the relationship codes change and becomes more detailed. In all these waves, there are also household level coverscreen variables that indicate number of living children. These may or may not agree with the count of children in the PR_MC data.

There have been a number of data alerts for the child data for HRS 1992 and 1994. Those posted on the HRS website as of this writing have been applied to these data.

HRS Variables Used

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HRS 1992:
    V1201           E18A:OTHER CHILDREN :IMP
    V1202           E19:CHILDREN NOT AT :IMP
    V1203           E20-E32:#CHLDRN NOT :IMP
    V902            E2:KIDS LIVE W/ YOU?
    V903            E2A:KIDS AWAY AT SCHOOL
    V905            E3-E7:SUMMRY:#CHILD HOME
    VNKIDS          HRS W1: # kids
AHEAD 1993:
    B435            D20. # NON-RESIDENT CHILDREN
    BSUBHH          1993 SUB-HOUSEHOLD IDENTIFIER
    RELATE_F        RELATIONSHIP TO FEMALE R
    RELATE_M        RELATIONSHIP TO MALE R
HRS 1994:
    W8003           RELATIONSHIP TO R
    W8004           CHILD PROBLEM CODE
    WNKIDS          HRS W2: # W2 kids
AHEAD 1995:
    D10             HHMEM REL TO IDFM
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    D11             HHMEM REL TO IDNFM
    D506            CS # RES CHILD|505U(1/20)=
    D508            CS # NR KIDS|507U(1/20)=
    D513            CS # CHILDREN|512U(1/20)=
    D6              HHMEM STATUS W2
    D668            A9.# CHILDREN EVER
    D669            A9A.FERTILITY LIVING
    DHHID           DHHID: AHD 95 Household ID (char7)
HRS 1996:
    E10             HHMEM REL TO FAMILY R
    E11             HHMEN REL TO NONFAM R
    E506            CS # RESIDENT CHILDREN
    E508            CS # NON-RESIDENT CHILDREN
    E513            CS # CHILDREN TOTAL
    E6              UPDATED HHMEM STATUS
    E668            A9.# CHILDREN EVER
    E669            A9A.NUMBER OF LIVING CHILDREN
    EHHID           EHHID: HRS 96 Household ID (char7)
HRS 1998:
    F1006           A9.# CHILDREN EVER
    F1007           A9A.FERTILITY LIVING
    F11             HHMEM REL TO IDFM - UPDATED
    F12             HHMEM REL TO IDNFM - UPDATED
    F7              HHMEM STATUS
    F809            CS # RES CHILD
    F811            CS # NR KIDS
    FHHID           FHHID: HRS 98 Household ID (char7)
HRS 2000:
    G1093           A9.# CHILDREN EVER
    G1094           A9A.FERTILITY LIVING
    G11             HHMEM REL TO IDFM - UPDATED
    G12             HHMEM REL TO IDNFM - UPDATED
    G7              HHMEM STATUS - UPDATED
    G886            CS49Y10.CS # RES CHILD
    G888            CS49Y12.CS # NR KIDS
    G893            CS49Y16.CS # CHILDREN
    GHHID           GHHID: HRS 00 Household ID (char7)
HRS 2002-2022:
    xA099           NUMBER OF RESIDENT CHILDREN
    xA100           COUNT OF NONRESIDENT KIDS
    xA101           COUNT OF KIDS - NOT THEIR SPOUSES
    xB033           NUMBER CHILDREN EVER
    xB034           NUMBER LIVING CHILDREN
    xX056_MC        RESIDENCY STATUS-UPDATED
    xX061_MC        RELATIONSHIP TO R-UPDATED
    xX063_MC        RELATIONSHIP HHM TO SP - UPDATED
Tracker:
    HHID                HOUSEHOLD IDENTIFIER
    xSUBHH              1993-1994 SUB-HOUSEHOLD IDENTIFIER
```

Number of living siblings

Wave	Variable	Label	Type
1	R1LIVBRO	R1LIVBRO:W1 Number of living brothers	Cont
2	R2LIVBRO	R2LIVBRO:W2 Number of living brothers	Cont
3	R3LIVBRO	R3LIVBRO:W3 Number of living brothers	Cont
4	R4LIVBRO	R4LIVBRO:W4 Number of living brothers	Cont
5	R5LIVBRO	R5LIVBRO:W5 Number of living brothers	Cont
6	R6LIVBRO	R6LIVBRO:W6 Number of living brothers	Cont
7	R7LIVBRO	R7LIVBRO:W7 Number of living brothers	Cont
8	R8LIVBRO	R8LIVBRO:W8 Number of living brothers	Cont
9	R9LIVBRO	R9LIVBRO:W9 Number of living brothers	Cont
10	R10LIVBRO	R10LIVBRO:W10 Number of living brothers	Cont
11	R11LIVBRO	R11LIVBRO:W11 Number of living brothers	Cont
12	R12LIVBRO	R12LIVBRO:W12 Number of living brothers	Cont
13	R13LIVBRO	R13LIVBRO:W13 Number of living brothers	Cont
14	R14LIVBRO	R14LIVBRO:W14 Number of living brothers	Cont
15	R15LIVBRO	R15LIVBRO:W15 Number of living brothers	Cont
16	R16LIVBRO	R16LIVBRO:W16 Number of living brothers	Cont
1	S1LIVBRO	S1LIVBRO:W1 Number of living brothers	Cont
2	S2LIVBRO	S2LIVBRO:W2 Number of living brothers	Cont
3	S3LIVBRO	S3LIVBRO:W3 Number of living brothers	Cont
4	S4LIVBRO	S4LIVBRO:W4 Number of living brothers	Cont
5	S5LIVBRO	S5LIVBRO:W5 Number of living brothers	Cont
6	S6LIVBRO	S6LIVBRO:W6 Number of living brothers	Cont
7	S7LIVBRO	S7LIVBRO:W7 Number of living brothers	Cont
8	S8LIVBRO	S8LIVBRO:W8 Number of living brothers	Cont
9	S9LIVBRO	S9LIVBRO:W9 Number of living brothers	Cont
10	S10LIVBRO	S10LIVBRO:W10 Number of living brothers	Cont
11	S11LIVBRO	S11LIVBRO:W11 Number of living brothers	Cont
12	S12LIVBRO	S12LIVBRO:W12 Number of living brothers	Cont
13	S13LIVBRO	S13LIVBRO:W13 Number of living brothers	Cont
14	S14LIVBRO	S14LIVBRO:W14 Number of living brothers	Cont
15	S15LIVBRO	S15LIVBRO:W15 Number of living brothers	Cont
16	S16LIVBRO	S16LIVBRO:W16 Number of living brothers	Cont
1	R1LIVSIS	R1LIVSIS:W1 Number of living sisters	Cont
2	R2LIVSIS	R2LIVSIS:W2 Number of living sisters	Cont
3	R3LIVSIS	R3LIVSIS:W3 Number of living sisters	Cont
4	R4LIVSIS	R4LIVSIS:W4 Number of living sisters	Cont
5	R5LIVSIS	R5LIVSIS:W5 Number of living sisters	Cont
6	R6LIVSIS	R6LIVSIS:W6 Number of living sisters	Cont
7	R7LIVSIS	R7LIVSIS:W7 Number of living sisters	Cont
8	R8LIVSIS	R8LIVSIS:W8 Number of living sisters	Cont
9	R9LIVSIS	R9LIVSIS:W9 Number of living sisters	Cont
10	R10LIVSIS	R10LIVSIS:W10 Number of living sisters	Cont
11	R11LIVSIS	R11LIVSIS:W11 Number of living sisters	Cont
12	R12LIVSIS	R12LIVSIS:W12 Number of living sisters	Cont
13	R13LIVSIS	R13LIVSIS:W13 Number of living sisters	Cont
14	R14LIVSIS	R14LIVSIS:W14 Number of living sisters	Cont
15	R15LIVSIS	R15LIVSIS:W15 Number of living sisters	Cont
16	R16LIVSIS	R16LIVSIS:W16 Number of living sisters	Cont
1	S1LIVSIS	S1LIVSIS:W1 Number of living sisters	Cont
2	S2LIVSIS	S2LIVSIS:W2 Number of living sisters	Cont
3	S3LIVSIS	S3LIVSIS:W3 Number of living sisters	Cont
4	S4LIVSIS	S4LIVSIS:W4 Number of living sisters	Cont
5	S5LIVSIS	S5LIVSIS:W5 Number of living sisters	Cont
6	S6LIVSIS	S6LIVSIS:W6 Number of living sisters	Cont
7	S7LIVSIS	S7LIVSIS:W7 Number of living sisters	Cont
8	S8LIVSIS	S8LIVSIS:W8 Number of living sisters	Cont
9	S9LIVSIS	S9LIVSIS:W9 Number of living sisters	Cont
10	S10LIVSIS	S10LIVSIS:W10 Number of living sisters	Cont
11	S11LIVSIS	S11LIVSIS:W11 Number of living sisters	Cont
12	S12LIVSIS	S12LIVSIS:W12 Number of living sisters	Cont
13	S13LIVSIS	S13LIVSIS:W13 Number of living sisters	Cont
14	S14LIVSIS	S14LIVSIS:W14 Number of living sisters	Cont
15	S15LIVSIS	S15LIVSIS:W15 Number of living sisters	Cont

16	S16LIVSIS	S16LIVSIS:W16 Number of living sisters	Cont
1	R1LIVSIB	R1LIVSIB:W1 Number of living siblings	Cont
2	R2LIVSIB	R2LIVSIB:W2 Number of living siblings	Cont
3	R3LIVSIB	R3LIVSIB:W3 Number of living siblings	Cont
4	R4LIVSIB	R4LIVSIB:W4 Number of living siblings	Cont
5	R5LIVSIB	R5LIVSIB:W5 Number of living siblings	Cont
6	R6LIVSIB	R6LIVSIB:W6 Number of living siblings	Cont
7	R7LIVSIB	R7LIVSIB:W7 Number of living siblings	Cont
8	R8LIVSIB	R8LIVSIB:W8 Number of living siblings	Cont
9	R9LIVSIB	R9LIVSIB:W9 Number of living siblings	Cont
10	R10LIVSIB	R10LIVSIB:W10 Number of living siblings	Cont
11	R11LIVSIB	R11LIVSIB:W11 Number of living siblings	Cont
12	R12LIVSIB	R12LIVSIB:W12 Number of living siblings	Cont
13	R13LIVSIB	R13LIVSIB:W13 Number of living siblings	Cont
14	R14LIVSIB	R14LIVSIB:W14 Number of living siblings	Cont
15	R15LIVSIB	R15LIVSIB:W15 Number of living siblings	Cont
16	R16LIVSIB	R16LIVSIB:W16 Number of living siblings	Cont
1	S1LIVSIB	S1LIVSIB:W1 Number of living siblings	Cont
2	S2LIVSIB	S2LIVSIB:W2 Number of living siblings	Cont
3	S3LIVSIB	S3LIVSIB:W3 Number of living siblings	Cont
4	S4LIVSIB	S4LIVSIB:W4 Number of living siblings	Cont
5	S5LIVSIB	S5LIVSIB:W5 Number of living siblings	Cont
6	S6LIVSIB	S6LIVSIB:W6 Number of living siblings	Cont
7	S7LIVSIB	S7LIVSIB:W7 Number of living siblings	Cont
8	S8LIVSIB	S8LIVSIB:W8 Number of living siblings	Cont
9	S9LIVSIB	S9LIVSIB:W9 Number of living siblings	Cont
10	S10LIVSIB	S10LIVSIB:W10 Number of living siblings	Cont
11	S11LIVSIB	S11LIVSIB:W11 Number of living siblings	Cont
12	S12LIVSIB	S12LIVSIB:W12 Number of living siblings	Cont
13	S13LIVSIB	S13LIVSIB:W13 Number of living siblings	Cont
14	S14LIVSIB	S14LIVSIB:W14 Number of living siblings	Cont
15	S15LIVSIB	S15LIVSIB:W15 Number of living siblings	Cont
16	S16LIVSIB	S16LIVSIB:W16 Number of living siblings	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LIVBRO	11945	1.45	1.49	0.0	13.0
R2LIVBRO	19281	1.21	1.39	0.0	12.0
R3LIVBRO	17932	1.19	1.38	0.0	13.0
R4LIVBRO	21074	1.23	1.40	0.0	14.0
R5LIVBRO	19446	1.22	1.39	0.0	13.0
R6LIVBRO	18146	1.19	1.39	0.0	14.0
R7LIVBRO	19895	1.27	1.42	0.0	12.0
R8LIVBRO	18444	1.23	1.42	0.0	14.0
R9LIVBRO	17020	1.26	1.43	0.0	14.0
R10LIVBRO	22016	1.47	1.53	0.0	14.0
R11LIVBRO	20541	1.49	1.54	0.0	14.0
R12LIVBRO	18682	1.52	1.55	0.0	14.0
R13LIVBRO	20889	1.58	1.55	0.0	15.0
R14LIVBRO	17138	1.61	1.57	0.0	15.0
R15LIVBRO	15707	1.63	1.57	0.0	15.0
R16LIVBRO	15736	1.64	1.58	0.0	15.0
S1LIVBRO	9499	1.44	1.47	0.0	13.0
S2LIVBRO	12992	1.27	1.39	0.0	12.0
S3LIVBRO	12069	1.26	1.40	0.0	11.0
S4LIVBRO	13921	1.28	1.42	0.0	13.0
S5LIVBRO	12790	1.29	1.41	0.0	13.0
S6LIVBRO	11723	1.27	1.41	0.0	14.0

S7LIVBRO	12902	1.34	1.43	0.0	12.0
S8LIVBRO	11837	1.30	1.42	0.0	14.0
S9LIVBRO	10646	1.33	1.44	0.0	14.0
S10LIVBRO	13622	1.50	1.51	0.0	14.0
S11LIVBRO	12641	1.52	1.53	0.0	14.0
S12LIVBRO	11140	1.54	1.54	0.0	14.0
S13LIVBRO	11912	1.60	1.54	0.0	11.0
S14LIVBRO	9638	1.61	1.56	0.0	14.0
S15LIVBRO	8723	1.62	1.57	0.0	14.0
S16LIVBRO	7972	1.62	1.58	0.0	15.0
R1LIVSIS	11942	1.58	1.60	0.0	11.0
R2LIVSIS	19278	1.42	1.51	0.0	11.0
R3LIVSIS	17938	1.39	1.50	0.0	11.0
R4LIVSIS	21031	1.42	1.50	0.0	14.0
R5LIVSIS	19451	1.41	1.49	0.0	11.0
R6LIVSIS	18142	1.38	1.50	0.0	14.0
R7LIVSIS	19887	1.44	1.52	0.0	12.0
R8LIVSIS	18453	1.41	1.52	0.0	15.0
R9LIVSIS	17012	1.45	1.53	0.0	15.0
R10LIVSIS	22007	1.63	1.63	0.0	15.0
R11LIVSIS	20542	1.65	1.64	0.0	15.0
R12LIVSIS	18678	1.68	1.65	0.0	15.0
R13LIVSIS	20887	1.73	1.66	0.0	15.0
R14LIVSIS	17140	1.76	1.69	0.0	15.0
R15LIVSIS	15707	1.78	1.70	0.0	15.0
R16LIVSIS	15734	1.79	1.69	0.0	15.0
S1LIVSIS	9495	1.57	1.58	0.0	11.0
S2LIVSIS	12999	1.46	1.51	0.0	11.0
S3LIVSIS	12064	1.44	1.51	0.0	11.0
S4LIVSIS	13887	1.45	1.51	0.0	14.0
S5LIVSIS	12782	1.45	1.50	0.0	11.0
S6LIVSIS	11725	1.43	1.52	0.0	14.0
S7LIVSIS	12881	1.48	1.52	0.0	12.0
S8LIVSIS	11852	1.45	1.52	0.0	14.0
S9LIVSIS	10623	1.47	1.54	0.0	15.0
S10LIVSIS	13616	1.64	1.61	0.0	15.0
S11LIVSIS	12635	1.66	1.63	0.0	15.0
S12LIVSIS	11143	1.68	1.63	0.0	15.0
S13LIVSIS	11904	1.72	1.63	0.0	15.0
S14LIVSIS	9641	1.73	1.65	0.0	15.0
S15LIVSIS	8712	1.74	1.66	0.0	15.0
S16LIVSIS	7960	1.75	1.66	0.0	15.0
R1LIVSIB	11944	3.03	2.51	0.0	19.0
R2LIVSIB	19283	2.63	2.36	0.0	17.0
R3LIVSIB	17949	2.58	2.36	0.0	17.0
R4LIVSIB	21078	2.65	2.38	0.0	25.0
R5LIVSIB	19525	2.62	2.36	0.0	20.0
R6LIVSIB	18155	2.58	2.37	0.0	21.0
R7LIVSIB	20117	2.68	2.41	0.0	18.0
R8LIVSIB	18468	2.64	2.40	0.0	20.0
R9LIVSIB	17211	2.68	2.42	0.0	20.0
R10LIVSIB	22019	3.09	2.59	0.0	21.0
R11LIVSIB	20546	3.14	2.61	0.0	21.0
R12LIVSIB	18693	3.19	2.62	0.0	21.0
R13LIVSIB	20894	3.32	2.62	0.0	21.0
R14LIVSIB	17139	3.37	2.65	0.0	23.0

R15LIVSIB	15713	3.41	2.67	0.0	23.0
R16LIVSIB	15750	3.42	2.66	0.0	24.0
S1LIVSIB	9511	3.01	2.48	0.0	19.0
S2LIVSIB	12999	2.73	2.36	0.0	17.0
S3LIVSIB	12070	2.70	2.38	0.0	17.0
S4LIVSIB	13895	2.73	2.39	0.0	25.0
S5LIVSIB	12838	2.73	2.36	0.0	20.0
S6LIVSIB	11714	2.70	2.38	0.0	21.0
S7LIVSIB	13029	2.79	2.39	0.0	18.0
S8LIVSIB	11820	2.76	2.38	0.0	19.0
S9LIVSIB	10740	2.78	2.42	0.0	20.0
S10LIVSIB	13566	3.14	2.55	0.0	20.0
S11LIVSIB	12564	3.20	2.58	0.0	20.0
S12LIVSIB	11071	3.24	2.58	0.0	20.0
S13LIVSIB	11844	3.33	2.57	0.0	20.0
S14LIVSIB	9555	3.37	2.61	0.0	23.0
S15LIVSIB	8593	3.41	2.63	0.0	23.0
S16LIVSIB	7832	3.42	2.64	0.0	24.0

How Constructed

RwLIVBRO and RwLIVSIS count the number of the Respondent's living brothers and sisters, respectively. RwLIVSIB is the number of the Respondent's living siblings, or the sum of RwLIVBRO and RwLIVSIS. SwLIVBRO, SwLIVSIS, and SwLIVSIB are the number of the spouse's brothers, sisters, and siblings, respectively.

In most waves, values are taken from one of three data sources: direct questions about number of living brothers and sisters, sibling-level raw data, and preloaded sibling roster counts. From the sibling-level data, the number of living brothers and sisters can be obtained by checking status and relationship of each individual and adding the number of records representing a living brother or living sister of the Respondent. In some cases, counts from more than one source are available and are not always the same. These derived variables use the answer to the direct question if it is available, otherwise the number counted from the roster or sibling-level data.

If both parents are deceased, sibling data are not always collected unless parents were alive in a prior wave. Where applicable, available counts are carried forward and back to help fill missing values across waves. Counts of zero are carried forward to fill missing values in later waves, where questions may have been skipped based on no report of living siblings at a previous wave. Non-missing counts (including zero) can be carried backward to fill missing values at prior waves. This may undercount living siblings, as there may have been more living at a prior wave. When carrying back sibling counts for in-laws, checks are done to ensure that the spouse is the same spouse as in the source year.

Because there are multiple sources of sibling counts and varying skip patterns across waves in the raw data, there can be many opportunites for data inconsistencies. Even for cases where we see an illogical pattern of sibling counts across years, we do not overwrite any value directly reported by a Respondent. If sibling counts are missing due to specified skip patterns and are not easily imputed with longitudinal data, we assign a value of .S for those variables.

The total number of siblings in RwLIVSIB generally is calculated from the brother and sister counts after this filling is done. RwLIVSIB is the sum of non-missing values from RwLIVSIS and RwLIVBRO. This may be an undercount for cases where RwLIVSIS or RwLIVBRO is missing. If data on both brother and sister counts are missing, RwLIVSIB is derived from overall sibling counts when available.

Cross Wave Differences in Original HRS Data

In Waves 2A and 3A, and from Wave 6 forward, information on siblings is collected from individual Respondents. In Waves 1, 2H, 3H, 4 and 5, sibling data are provided by the Family Respondent. The relationship codes or variables are appropriately swapped

before counting if the Respondent is not the Family Respondent.

In Wave 3A, Respondents are also asked how many of these sisters or brothers are step-siblings. These step-siblings are subtracted from the total number of living siblings to be compatible with other waves where step-siblings are specifically omitted.

In Wave 1, a question about total number of siblings is used to fill RwLIVSIB and SwLIVSIB directly. If these are missing, the counts are used when available.

There have been a number of data alerts for the sibling data. Those posted on the HRS website as of this writing have been applied to these data.

HRS Variables Used

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HRS 1992:
    V1701           E68:R LIVNG SIBLINGS:IMP
    V1702           E69-E80:#BROS OR SIS:IMP
    V2201           E111:H/P LIVING SIB :IMP
    V2202           E112-E115:#HUSB/PRTN:IMP
    V8101           SIBS:SIB OF R OR H/P?
    V8104           SIBS:SEX            :IMP
AHEAD 1993:
    B559            D58. # SISTERS LIVING
    B562            D59. # BROTHERS LIVING
    BPHHIDPN        AHD W1: Spouse HHIDPN
HRS 1994:
    SIBCODE         Sibling or sibling-in-law flag
    W8101           E76/176. Relationship to R/Sp
    W8103           Sibling problem code
AHEAD 1995:
    D1601           D81.# SISTERS
    D1604           D81C.STEPSISTER
    D1605           D81D.STEPSISTERS
    D1607           D82.# BROTHERS
    D1610           D82D.STEPBROTHER
    D1611           D82D.STEPBROTHERS
    DPHHIDPN        AHD95 Spouse HHIDPN
HRS 1996:
    E159            SIB REL TO R
    E159A           SIB OR SIB-IN-LAW
    E93             UPDATED SIB STATUS
    EHHID           EHHID: HRS 96 Household ID (char7)
    EPHHIDPN        HRS W3: Spouse HHIDPN
    ER1627_1        D81.# SISTERS/Self
    ER1627_2        D81.# SISTERS-IN-LAW/Self
    ER1631_1        D82.# BROTHERS/Self
    ER1631_2        D82.# BROTHERS-IN-LAW/Self
HRS 1998:
    F137            SIB STATUS
    F141            SIB REL TO FAMILY R - UPDATED
    F1972           D130A.# SISTERS
    F1975           D130D.# BROTHERS
    F2134           D130A-2.# SISTERS-IN-LAW
    F2137           D130D-2.# BROTHERS-IN-LAW
    F597            SAME SPOUSE AS LAST WAVE
    FHHID           FHHID: HRS 98 Household ID (char7)
    FPN_FAM         1998 FAMILY RESP PERSON NUMBER
    FPN_NFAM        1998 NON-FAMILY RESP PERSON NUMBER
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HRS 2000:
    G137            SIB STATUS - UPDATED
    G141            SIB REL TO FAMILY R - UPDATED
    G2198           D130A.# SISTERS
    G2201           D130D.# BROTHERS
    G2385           D130A-2.# SISTERS-IN-LAW
    G2388           D130D-2.# BROTHERS-IN-LAW
    G658            CS15Y63.SAME SPOUSE AS LAST WAVE
    GHHID           GHHID: HRS 00 Household ID (char7)
    GPN_FAM         2000 FAMILY RESP PERSON NUMBER
    GPN_NFAM        2000 NON-FAMILY RESP PERSON NUMBER
HRS 2002-2008:
    xX056_SB        RESIDENCY STATUS - SIBLING-UPDATED
    xX061_SB        RELATIONSHIP TO R - SIBLING-UPDATED
    xX063_SB        RELATIONSHIP SIB TO SP - UPDATED
HRS 2002-2022:
    xF073           NUMBER LIVING SISTERS
    xF076           NUMBER LIVING BROTHERS
    xF080           SIB ROSTER INSTRUCTIONS
HRS 2004-2022:
    xZ212           NUMBER LIVING BROTHERS LAST WAVE
    xZ213           NUMBER LIVING SISTERS LAST WAVE
HRS 2010-2022:
    xF081           COUNT NUM OF SIBLING/SIBLING-IN-LAW
    xZ249           RESIDENCY STATUS - SIBLING
    xZ251           RELATIONSHIP TO R
Tracker:
    xFAMR               1992-2022 WHETHER FAMILY RESPONDENT
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Number of children ever born

Wave	Variable	Label	Type
1	RAEVBRN	RAEVBRN: Number of Children Ever Born	Cont
1	S1EVBRN	S1EVBRN:W1 Number of Children Ever Born	Cont
2	S2EVBRN	S2EVBRN:W2 Number of Children Ever Born	Cont
3	S3EVBRN	S3EVBRN:W3 Number of Children Ever Born	Cont
4	S4EVBRN	S4EVBRN:W4 Number of Children Ever Born	Cont
5	S5EVBRN	S5EVBRN:W5 Number of Children Ever Born	Cont
6	S6EVBRN	S6EVBRN:W6 Number of Children Ever Born	Cont
7	S7EVBRN	S7EVBRN:W7 Number of Children Ever Born	Cont
8	S8EVBRN	S8EVBRN:W8 Number of Children Ever Born	Cont
9	S9EVBRN	S9EVBRN:W9 Number of Children Ever Born	Cont
10	S10EVBRN	S10EVBRN:W10 Number of Children Ever Born	Cont
11	S11EVBRN	S11EVBRN:W11 Number of Children Ever Born	Cont
12	S12EVBRN	S12EVBRN:W12 Number of Children Ever Born	Cont
13	S13EVBRN	S13EVBRN:W13 Number of Children Ever Born	Cont
14	S14EVBRN	S14EVBRN:W14 Number of Children Ever Born	Cont
15	S15EVBRN	S15EVBRN:W15 Number of Children Ever Born	Cont
16	S16EVBRN	S16EVBRN:W16 Number of Children Ever Born	Cont
1	RAEVBRNF	RAEVBRNF: Flag when R responds in 1993 and 1995	Categ
1	S1EVBRNF	S1EVBRNF:W1 Flag when Sp responds in 1993 and 1995	Categ
2	S2EVBRNF	S2EVBRNF:W2 Flag when Sp responds in 1993 and 1995	Categ
3	S3EVBRNF	S3EVBRNF:W3 Flag when Sp responds in 1993 and 1995	Categ
4	S4EVBRNF	S4EVBRNF:W4 Flag when Sp responds in 1993 and 1995	Categ
5	S5EVBRNF	S5EVBRNF:W5 Flag when Sp responds in 1993 and 1995	Categ
6	S6EVBRNF	S6EVBRNF:W6 Flag when Sp responds in 1993 and 1995	Categ
7	S7EVBRNF	S7EVBRNF:W7 Flag when Sp responds in 1993 and 1995	Categ
8	S8EVBRNF	S8EVBRNF:W8 Flag when Sp responds in 1993 and 1995	Categ
9	S9EVBRNF	S9EVBRNF:W9 Flag when Sp responds in 1993 and 1995	Categ
10	S10EVBRNF	S10EVBRNF:W10 Flag when Sp responds in 1993 and 1995	Categ
11	S11EVBRNF	S11EVBRNF:W11 Flag when Sp responds in 1993 and 1995	Categ
12	S12EVBRNF	S12EVBRNF:W12 Flag when Sp responds in 1993 and 1995	Categ
13	S13EVBRNF	S13EVBRNF:W13 Flag when Sp responds in 1993 and 1995	Categ
14	S14EVBRNF	S14EVBRNF:W14 Flag when Sp responds in 1993 and 1995	Categ
15	S15EVBRNF	S15EVBRNF:W15 Flag when Sp responds in 1993 and 1995	Categ
16	S16EVBRNF	S16EVBRNF:W16 Flag when Sp responds in 1993 and 1995	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAEVBRN	43669	2.62	1.95	0.0	11.0
S1EVBRN	9135	3.02	1.92	0.0	11.0
S2EVBRN	12937	2.92	1.95	0.0	11.0
S3EVBRN	12122	2.91	1.93	0.0	11.0
S4EVBRN	14245	2.88	1.90	0.0	11.0
S5EVBRN	12861	2.89	1.88	0.0	11.0
S6EVBRN	11699	2.90	1.87	0.0	11.0
S7EVBRN	13166	2.79	1.81	0.0	11.0
S8EVBRN	11909	2.76	1.78	0.0	11.0
S9EVBRN	10878	2.74	1.77	0.0	11.0
S10EVBRN	13911	2.64	1.73	0.0	11.0
S11EVBRN	12829	2.62	1.73	0.0	11.0
S12EVBRN	11373	2.60	1.71	0.0	11.0
S13EVBRN	12265	2.52	1.69	0.0	11.0
S14EVBRN	10002	2.51	1.70	0.0	11.0
S15EVBRN	9113	2.47	1.67	0.0	11.0

S16EVBRN	8403	2.44	1.69	0.0	11.0
RAEVBRNF	8297	0.94	0.56	0.0	3.0
S1EVBRNF	107	1.07	0.67	0.0	3.0
S2EVBRNF	4407	0.95	0.53	0.0	3.0
S3EVBRNF	3631	1.08	0.43	0.0	3.0
S4EVBRNF	2792	1.05	0.42	0.0	3.0
S5EVBRNF	2134	1.05	0.42	0.0	3.0
S6EVBRNF	1570	1.05	0.42	0.0	3.0
S7EVBRNF	1163	1.04	0.39	0.0	3.0
S8EVBRNF	812	1.05	0.38	0.0	3.0
S9EVBRNF	570	1.05	0.42	0.0	3.0
S10EVBRNF	326	1.07	0.45	0.0	3.0
S11EVBRNF	203	1.06	0.43	0.0	3.0
S12EVBRNF	117	1.05	0.41	0.0	3.0
S13EVBRNF	45	1.13	0.50	1.0	3.0
S14EVBRNF	19	1.21	0.63	1.0	3.0
S15EVBRNF	6	1.33	0.82	1.0	3.0
S16EVBRNF	5	1.40	0.89	1.0	3.0

Categorical Variable Codes

RAEVBRNF: Flag when R responds in 1993 and 1995

Value	
.S=R not in 1993 or 1995	36868
0.One response in 1993 or 1	1349
1.Children reported in 1993	6373
2.More children reported in	336
3.More children reported in	239

SwEVBRNF: Flag when Sp responds in 1993 and 1995

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=R not in 1993 or 1995	10172	9203	8638	11662	10873	10252	12144	11190	10383	13819
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		64	65	62	34	37	45	50	58	92
0.One response in 1993 or 1	14	597	90	104	78	56	39	22	22	10
1.Children reported in 1993	77	3534	3287	2512	1927	1422	1061	747	514	296
2.More children reported in	10	156	141	99	70	47	36	25	18	8
3.More children reported in	6	120	113	77	59	45	27	18	16	12

Value	w11	w12	w13	w14	w15	w16
.S=R not in 1993 or 1995	12783	11404	12643	10248	9361	8981
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	95	101	200	201	163	260
0.One response in 1993 or 1	6	3				
1.Children reported in 1993	185	109	42	17	5	4
2.More children reported in	5	1				
3.More children reported in	7	4	3	2	1	1

Format Reference Tables – complete variable value labels

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Variables: EVBRNF
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.M=Missing
.S=R not in 1993 or 1995
.U=Unmarried
.V=Spouse NR
0.One response in 1993 or 1995
1.Children reported in 1993=1995
2.More children reported in 1993
3.More children reported in 1995
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How Constructed

RAEVBRN provides the number of children ever born to the Respondent. Number of children ever born is usually only asked once and does not include step-children, adoptions or miscarriages. For confidentiality protection, HRS limits the value of this measure to a maximum so RAEVBRN=11 indicates that 11 or more children were born to the Respondent. For a count of living children including biological, adoptive and step-children, see HwCHILD and related variables.

Some Respondents were asked this question in both AHEAD 1993 and AHEAD 1995. For these cases we use the response in AHEAD 1995 because the question wording is the same as subsequent waves. RAEVBRNF is a flag that identifies the Respondents that were asked this question in both AHEAD 1993 and AHEAD 1995. If RAEVBRNF = 0 then the Respondent answered in either 1993 or 1995, but not both. If RAEVBRNF = 1 then the number of children the Respondent reports in AHEAD 1993 matches the number of children they report in AHEAD 1995. If RAEVBRNF = 2 then the Respondent reported having more children in AHEAD 1993. If RAEVBRNF = 3 then the Respondent reported having more children in AHEAD 1995. And finally, if RAEVBRNF = .S then the Respondent did not respond in the AHEAD 1993 or AHEAD 1995 waves.

A small number of Respondents not in the AHEAD cohort were asked this question more than one wave. The maximum count reported is used for RAEVBRN.

The spouse variables SwEVBRN and SwEVBRNF are taken from the Wave "w" spouse's RAEVBRN and RAEVBRNF variables.

Cross Wave Differences in Original HRS Data

This question is not asked in Wave 1 or 2H. In Wave 2A, the question asks "How many children have you ever had? Please don't count adopted or step-children for this question."

From Wave 3 forward, the question asks "How many children have (you fathered/you given birth to)? Please don't count miscarriages or still-births, or adopted or step-children for this question."

For those that are asked this question in both Wave 2A and Wave 3A, we use the answer given in Wave 3A because the question wording is the same as subsequent waves.

HRS Variables Used

```
AHEAD 1993:
    B145            A9. # CHILDREN EVER HAD
AHEAD 1995:
    D668            A9.# CHILDREN EVER
HRS 1996:
    E668            A9.# CHILDREN EVER
HRS 1998:
    F1006           A9.# CHILDREN EVER
HRS 2000:
    G1093           A9.# CHILDREN EVER
```

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HRS 2002-2022:
    xB033           NUMBER CHILDREN EVER
```

Section N: Retirement Plans, Expectations

Whether retired: Consider self retired

Wave	Variable	Label	Type
1	R1SAYRET	R1SAYRET:W1 R considers self retired	Categ
2	R2SAYRET	R2SAYRET:W2 R considers self retired	Categ
3	R3SAYRET	R3SAYRET:W3 R considers self retired	Categ
4	R4SAYRET	R4SAYRET:W4 R considers self retired	Categ
5	R5SAYRET	R5SAYRET:W5 R considers self retired	Categ
6	R6SAYRET	R6SAYRET:W6 R considers self retired	Categ
7	R7SAYRET	R7SAYRET:W7 R considers self retired	Categ
8	R8SAYRET	R8SAYRET:W8 R considers self retired	Categ
9	R9SAYRET	R9SAYRET:W9 R considers self retired	Categ
10	R10SAYRET	R10SAYRET:W10 R considers self retired	Categ
11	R11SAYRET	R11SAYRET:W11 R considers self retired	Categ
12	R12SAYRET	R12SAYRET:W12 R considers self retired	Categ
13	R13SAYRET	R13SAYRET:W13 R considers self retired	Categ
14	R14SAYRET	R14SAYRET:W14 R considers self retired	Categ
15	R15SAYRET	R15SAYRET:W15 R considers self retired	Categ
16	R16SAYRET	R16SAYRET:W16 R considers self retired	Categ
1	S1SAYRET	S1SAYRET:W1 S considers self retired	Categ
2	S2SAYRET	S2SAYRET:W2 S considers self retired	Categ
3	S3SAYRET	S3SAYRET:W3 S considers self retired	Categ
4	S4SAYRET	S4SAYRET:W4 S considers self retired	Categ
5	S5SAYRET	S5SAYRET:W5 S considers self retired	Categ
6	S6SAYRET	S6SAYRET:W6 S considers self retired	Categ
7	S7SAYRET	S7SAYRET:W7 S considers self retired	Categ
8	S8SAYRET	S8SAYRET:W8 S considers self retired	Categ
9	S9SAYRET	S9SAYRET:W9 S considers self retired	Categ
10	S10SAYRET	S10SAYRET:W10 S considers self retired	Categ
11	S11SAYRET	S11SAYRET:W11 S considers self retired	Categ
12	S12SAYRET	S12SAYRET:W12 S considers self retired	Categ
13	S13SAYRET	S13SAYRET:W13 S considers self retired	Categ
14	S14SAYRET	S14SAYRET:W14 S considers self retired	Categ
15	S15SAYRET	S15SAYRET:W15 S considers self retired	Categ
16	S16SAYRET	S16SAYRET:W16 S considers self retired	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SAYRET	12019	0.60	1.00	0.0	3.0
R2SAYRET	10672	0.64	0.95	0.0	3.0
R3SAYRET	13402	0.96	1.02	0.0	3.0
R4SAYRET	20720	1.26	1.14	0.0	3.0
R5SAYRET	18557	1.24	1.09	0.0	3.0
R6SAYRET	15888	1.18	1.02	0.0	3.0
R7SAYRET	19219	1.03	0.96	0.0	3.0
R8SAYRET	17916	1.07	0.94	0.0	3.0
R9SAYRET	16742	1.07	0.91	0.0	3.0
R10SAYRET	21216	0.83	0.82	0.0	3.0
R11SAYRET	20042	0.84	0.79	0.0	3.0
R12SAYRET	18270	0.85	0.73	0.0	3.0
R13SAYRET	20129	0.76	0.75	0.0	3.0
R14SAYRET	16787	0.80	0.74	0.0	3.0
R15SAYRET	15271	0.84	0.74	0.0	3.0
R16SAYRET	15092	0.82	0.71	0.0	3.0
S1SAYRET	9297	0.60	1.00	0.0	3.0
S2SAYRET	8069	0.62	0.93	0.0	3.0
S3SAYRET	9764	0.95	1.01	0.0	3.0

S4SAYRET	13386	1.18	1.13	0.0	3.0
S5SAYRET	12123	1.17	1.08	0.0	3.0
S6SAYRET	10196	1.13	1.02	0.0	3.0
S7SAYRET	12184	0.97	0.95	0.0	3.0
S8SAYRET	11251	1.00	0.93	0.0	3.0
S9SAYRET	10263	1.02	0.91	0.0	3.0
S10SAYRET	12895	0.78	0.83	0.0	3.0
S11SAYRET	12091	0.79	0.80	0.0	3.0
S12SAYRET	10652	0.80	0.76	0.0	3.0
S13SAYRET	11305	0.71	0.76	0.0	3.0
S14SAYRET	9111	0.77	0.75	0.0	3.0
S15SAYRET	8188	0.81	0.75	0.0	3.0
S16SAYRET	7505	0.80	0.72	0.0	3.0

Categorical Variable Codes

RwSAYRET: R considers self retired

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=may be completely retire			3213							
.D=DK		6	5	8	14	17	22	25	13	42
.J=Web interview, missing										
.M=Oth missing		15	53	38	152	219	13	10	12	216
.Q=Not asked this wv		8222								
.R=RF		2	3	8	6	5	11	2	4	25
.S=Skip, proxy IW	633	725	1315	610	849	2036	864	516	446	535
0.Not retired	8142	6593	5509	6527	5362	4344	6138	5103	4444	8220
1.Completely retired	1804	2215	4599	7292	7375	7049	8654	8712	8501	9478
2.Partly retired	813	1024	1597	1887	1797	1708	2052	1905	1897	2476
3.Question irrelevant	1260	840	1697	5014	4023	2787	2375	2196	1900	1042

Value	w11	w12	w13	w14	w15	w16
.A=may be completely retire						
.D=DK	75	67	48	34	65	57
.J=Web interview, missing				11	10	7
.M=Oth missing	36	37	423	94	127	399
.Q=Not asked this wv						
.R=RF	11	15	19	19	25	24
.S=Skip, proxy IW	390	358	293	201	225	208
0.Not retired	7242	6067	8102	6081	5072	5151
1.Completely retired	9554	9409	9345	8361	7943	7827
2.Partly retired	2435	2321	2149	1887	1808	1804
3.Question irrelevant	811	473	533	458	448	310

SwSAYRET: S considers self retired

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=may be completely retire			1307							
.D=DK		3	3	5	11	8	14	10	5	22
.J=Web interview, missing										
.M=Oth missing		2	14	4	25	73	2	2	3	128
.Q=Not asked this wv		4549								
.R=RF		1		1	2	3	7	1		12
.S=Skip, proxy IW	603	666	829	584	569	1359	765	471	375	456
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
0.Not retired	6254	5010	4090	4744	3913	3135	4378	3695	3153	5536
1.Completely retired	1427	1690	3285	4411	4608	4248	5083	5083	4803	5215
2.Partly retired	671	790	1196	1366	1284	1209	1435	1286	1290	1569
3.Question irrelevant	945	579	1193	2865	2318	1604	1288	1187	1017	575

Value	w11	w12	w13	w14	w15	w16
.A=may be completely retire						
.D=DK	46	33	22	10	34	24
.J=Web interview, missing				13	10	4
.M=Oth missing	7	12	176	31	31	129
.Q=Not asked this wv						
.R=RF	1	9	9	8	10	6
.S=Skip, proxy IW	339	306	267	185	204	172
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Not retired	4949	4086	5054	3655	2997	2722
1.Completely retired	5202	4909	4718	4179	3987	3717
2.Partly retired	1486	1396	1258	1032	985	921
3.Question irrelevant	454	261	275	245	219	145

How Constructed

There are at least 2 places in every wave where Respondent could report being retired. See also "Whether retired, Retired employment status" (RwRETEMP).

RwSAYRET is derived from the question: At this time do you consider yourself to be completely retired, partly retired, or not retired at all? RwSAYRET recodes this variable to 0 for not retired, 1 for completely retired, 2 for partly retired, 3 for irrelevant, and for missing values. For proxy interviews, it is set to .S to indicate that the question was skipped.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwSAYRET.

In Wave 2A, there are no questions that ask the Respondent whether they consider themselves retired. If the Wave 2A interview is by proxy, R2SAYRET is set to .S; otherwise it is set to .Q to indicate that no information was collected for AHEAD Respondents in this wave.

See also Labor Force Status (RwLBRF, RwLBRFH, and RwLBRFY) under Employment.

Cross Wave Differences in Original HRS Data

The question in all waves is "At this time do you consider yourself completely retired, partly retired, or not retired at all?" In Wave 1, this question is asked in the Retirement expectations section. From Wave 2H forward it is asked in the Employment section, just after questions on retirement plans ("Do you plan to stop working or reduce work hours at a particular date or age, have you not

given it much thought, or what?") if Respondent is working, and after questions about the search for work if Respondent is unemployed.

One of the coded answers for this question is "Irrelevant". In Wave 1, and in Wave 2H for the self-employed and unemployed, "irrelevant" is defined as "doesn't work for pay or is homemaker; hasn't worked for 10 or more years." In Wave 2H for those employed but not self-employed, and in Waves 3H and 4, it is defined as "doesn't work for pay or is homemaker; hasn't worked for 1 or more years." From Wave 5 on it is defined just as "doesn't work for pay or is homemaker." These differences may influence the number of Respondents for whom "irrelevant" was coded.

In Wave 2A, this question is not asked at all. In Wave 3A the question is asked in the Employment section, and many cases skip the entire section because they do not work now and have not for the past 2 years. These cases are coded as .A (may be completely retired). There is no definition for the irrelevant code.

HRS Variables Used

```
HRS 1992:
    V4901           K1:RETRD:PART,ALL,OR:IMP
HRS 1994:
    W3983           FA123.CONSIDER SELF RETI
    W4638           FB83.RETIREMENT
    W5022           FC41.RETIREMENT
AHEAD 1995:
    D3130           GA123.RETIREMENT
    D3489           GB83.RETIREMENT
    D3711           GC41.RETIREMENT
HRS 1996:
    E3039           G134.CONSIDER SELF RETIRED
HRS 1998:
    F3570           G134.CONSIDER SELF RETIRED
HRS 2000:
    G3859           G134.CONSIDER SELF RETIRED
    G514            CS1A.PROXY/SELF INTERVIEW
HRS 2002-2014:
    xJ578           CONSIDER SELF RETIRED
HRS 2002-2022:
    xA009           PROXY/SELF INTERVIEW
HRS 2016-2022:
    xJ3578          CONSIDER SELF RETIRED
```

Whether retired: Retirement Month and Year, If Says Retired

Wave	Variable	Label	Type
1	R1RETMON	R1RETMON:W1 Month Retired if say retired	Cont
2	R2RETMON	R2RETMON:W2 Month Retired if say retired	Cont
3	R3RETMON	R3RETMON:W3 Month Retired if say retired	Cont
4	R4RETMON	R4RETMON:W4 Month Retired if say retired	Cont
5	R5RETMON	R5RETMON:W5 Month Retired if say retired	Cont
6	R6RETMON	R6RETMON:W6 Month Retired if say retired	Cont
7	R7RETMON	R7RETMON:W7 Month Retired if say retired	Cont
8	R8RETMON	R8RETMON:W8 Month Retired if say retired	Cont
9	R9RETMON	R9RETMON:W9 Month Retired if say retired	Cont
10	R10RETMON	R10RETMON:W10 Month Retired if say retired	Cont
11	R11RETMON	R11RETMON:W11 Month Retired if say retired	Cont
12	R12RETMON	R12RETMON:W12 Month Retired if say retired	Cont
13	R13RETMON	R13RETMON:W13 Month Retired if say retired	Cont
14	R14RETMON	R14RETMON:W14 Month Retired if say retired	Cont
15	R15RETMON	R15RETMON:W15 Month Retired if say retired	Cont
16	R16RETMON	R16RETMON:W16 Month Retired if say retired	Cont
1	S1RETMON	S1RETMON:W1 Month Retired if say retired	Cont
2	S2RETMON	S2RETMON:W2 Month Retired if say retired	Cont
3	S3RETMON	S3RETMON:W3 Month Retired if say retired	Cont
4	S4RETMON	S4RETMON:W4 Month Retired if say retired	Cont
5	S5RETMON	S5RETMON:W5 Month Retired if say retired	Cont
6	S6RETMON	S6RETMON:W6 Month Retired if say retired	Cont
7	S7RETMON	S7RETMON:W7 Month Retired if say retired	Cont
8	S8RETMON	S8RETMON:W8 Month Retired if say retired	Cont
9	S9RETMON	S9RETMON:W9 Month Retired if say retired	Cont
10	S10RETMON	S10RETMON:W10 Month Retired if say retired	Cont
11	S11RETMON	S11RETMON:W11 Month Retired if say retired	Cont
12	S12RETMON	S12RETMON:W12 Month Retired if say retired	Cont
13	S13RETMON	S13RETMON:W13 Month Retired if say retired	Cont
14	S14RETMON	S14RETMON:W14 Month Retired if say retired	Cont
15	S15RETMON	S15RETMON:W15 Month Retired if say retired	Cont
16	S16RETMON	S16RETMON:W16 Month Retired if say retired	Cont
1	R1RETYR	R1RETYR:W1 Year Retired if say retired	Cont
2	R2RETYR	R2RETYR:W2 Year Retired if say retired	Cont
3	R3RETYR	R3RETYR:W3 Year Retired if say retired	Cont
4	R4RETYR	R4RETYR:W4 Year Retired if say retired	Cont
5	R5RETYR	R5RETYR:W5 Year Retired if say retired	Cont
6	R6RETYR	R6RETYR:W6 Year Retired if say retired	Cont
7	R7RETYR	R7RETYR:W7 Year Retired if say retired	Cont
8	R8RETYR	R8RETYR:W8 Year Retired if say retired	Cont
9	R9RETYR	R9RETYR:W9 Year Retired if say retired	Cont
10	R10RETYR	R10RETYR:W10 Year Retired if say retired	Cont
11	R11RETYR	R11RETYR:W11 Year Retired if say retired	Cont
12	R12RETYR	R12RETYR:W12 Year Retired if say retired	Cont
13	R13RETYR	R13RETYR:W13 Year Retired if say retired	Cont
14	R14RETYR	R14RETYR:W14 Year Retired if say retired	Cont
15	R15RETYR	R15RETYR:W15 Year Retired if say retired	Cont
16	R16RETYR	R16RETYR:W16 Year Retired if say retired	Cont
1	S1RETYR	S1RETYR:W1 Year Retired if say retired	Cont
2	S2RETYR	S2RETYR:W2 Year Retired if say retired	Cont
3	S3RETYR	S3RETYR:W3 Year Retired if say retired	Cont
4	S4RETYR	S4RETYR:W4 Year Retired if say retired	Cont
5	S5RETYR	S5RETYR:W5 Year Retired if say retired	Cont
6	S6RETYR	S6RETYR:W6 Year Retired if say retired	Cont
7	S7RETYR	S7RETYR:W7 Year Retired if say retired	Cont
8	S8RETYR	S8RETYR:W8 Year Retired if say retired	Cont
9	S9RETYR	S9RETYR:W9 Year Retired if say retired	Cont
10	S10RETYR	S10RETYR:W10 Year Retired if say retired	Cont
11	S11RETYR	S11RETYR:W11 Year Retired if say retired	Cont
12	S12RETYR	S12RETYR:W12 Year Retired if say retired	Cont
13	S13RETYR	S13RETYR:W13 Year Retired if say retired	Cont
14	S14RETYR	S14RETYR:W14 Year Retired if say retired	Cont
15	S15RETYR	S15RETYR:W15 Year Retired if say retired	Cont

16	S16RETYR	S16RETYR:W16 Year Retired if say retired	Cont
1	R1RETDTWV	R1RETDTWV:W1 Wave retirement date reported	Cont
2	R2RETDTWV	R2RETDTWV:W2 Wave retirement date reported	Cont
3	R3RETDTWV	R3RETDTWV:W3 Wave retirement date reported	Cont
4	R4RETDTWV	R4RETDTWV:W4 Wave retirement date reported	Cont
5	R5RETDTWV	R5RETDTWV:W5 Wave retirement date reported	Cont
6	R6RETDTWV	R6RETDTWV:W6 Wave retirement date reported	Cont
7	R7RETDTWV	R7RETDTWV:W7 Wave retirement date reported	Cont
8	R8RETDTWV	R8RETDTWV:W8 Wave retirement date reported	Cont
9	R9RETDTWV	R9RETDTWV:W9 Wave retirement date reported	Cont
10	R10RETDTWV	R10RETDTWV:W10 Wave retirement date reported	Cont
11	R11RETDTWV	R11RETDTWV:W11 Wave retirement date reported	Cont
12	R12RETDTWV	R12RETDTWV:W12 Wave retirement date reported	Cont
13	R13RETDTWV	R13RETDTWV:W13 Wave retirement date reported	Cont
14	R14RETDTWV	R14RETDTWV:W14 Wave retirement date reported	Cont
15	R15RETDTWV	R15RETDTWV:W15 Wave retirement date reported	Cont
16	R16RETDTWV	R16RETDTWV:W16 Wave retirement date reported	Cont
1	S1RETDTWV	S1RETDTWV:W1 Wave retirement date reported	Cont
2	S2RETDTWV	S2RETDTWV:W2 Wave retirement date reported	Cont
3	S3RETDTWV	S3RETDTWV:W3 Wave retirement date reported	Cont
4	S4RETDTWV	S4RETDTWV:W4 Wave retirement date reported	Cont
5	S5RETDTWV	S5RETDTWV:W5 Wave retirement date reported	Cont
6	S6RETDTWV	S6RETDTWV:W6 Wave retirement date reported	Cont
7	S7RETDTWV	S7RETDTWV:W7 Wave retirement date reported	Cont
8	S8RETDTWV	S8RETDTWV:W8 Wave retirement date reported	Cont
9	S9RETDTWV	S9RETDTWV:W9 Wave retirement date reported	Cont
10	S10RETDTWV	S10RETDTWV:W10 Wave retirement date reported	Cont
11	S11RETDTWV	S11RETDTWV:W11 Wave retirement date reported	Cont
12	S12RETDTWV	S12RETDTWV:W12 Wave retirement date reported	Cont
13	S13RETDTWV	S13RETDTWV:W13 Wave retirement date reported	Cont
14	S14RETDTWV	S14RETDTWV:W14 Wave retirement date reported	Cont
15	S15RETDTWV	S15RETDTWV:W15 Wave retirement date reported	Cont
16	S16RETDTWV	S16RETDTWV:W16 Wave retirement date reported	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETMON	2282	6.42	3.37	1.0	12.0
R2RETMON	3682	6.14	3.52	1.0	12.0
R3RETMON	4161	6.15	3.52	1.0	12.0
R4RETMON	7512	5.90	3.52	1.0	12.0
R5RETMON	7824	5.79	3.53	1.0	12.0
R6RETMON	7526	5.99	3.45	1.0	12.0
R7RETMON	9114	6.04	3.47	1.0	12.0
R8RETMON	9112	6.11	3.45	1.0	12.0
R9RETMON	9023	6.13	3.44	1.0	12.0
R10RETMON	10550	6.16	3.42	1.0	12.0
R11RETMON	10616	6.23	3.41	1.0	12.0
R12RETMON	10513	6.26	3.42	1.0	12.0
R13RETMON	10433	6.23	3.41	1.0	12.0
R14RETMON	9437	6.24	3.41	1.0	12.0
R15RETMON	9012	6.25	3.40	1.0	12.0
R16RETMON	8933	6.28	3.42	1.0	12.0
S1RETMON	1865	6.44	3.36	1.0	12.0
S2RETMON	2720	6.17	3.48	1.0	12.0
S3RETMON	3145	6.17	3.48	1.0	12.0
S4RETMON	4847	6.06	3.51	1.0	12.0
S5RETMON	5167	5.88	3.54	1.0	12.0
S6RETMON	4866	6.03	3.45	1.0	12.0

S7RETMON	5770	6.11	3.47	1.0	12.0
S8RETMON	5652	6.17	3.46	1.0	12.0
S9RETMON	5459	6.16	3.46	1.0	12.0
S10RETMON	6149	6.18	3.46	1.0	12.0
S11RETMON	6051	6.23	3.43	1.0	12.0
S12RETMON	5759	6.24	3.46	1.0	12.0
S13RETMON	5500	6.25	3.44	1.0	12.0
S14RETMON	4853	6.24	3.43	1.0	12.0
S15RETMON	4653	6.17	3.41	1.0	12.0
S16RETMON	4336	6.25	3.43	1.0	12.0
R1RETYR	2596	1986.68	5.85	1945.0	1993.0
R2RETYR	8266	1982.30	10.15	1920.0	1994.0
R3RETYR	8575	1984.25	9.81	1920.0	1996.0
R4RETYR	8918	1987.13	9.35	1932.0	1998.0
R5RETYR	8969	1988.97	9.14	1932.0	2000.0
R6RETYR	8583	1991.06	9.18	1933.0	2003.0
R7RETYR	10486	1992.00	9.70	1925.0	2004.0
R8RETYR	10411	1993.59	9.96	1929.0	2007.0
R9RETYR	10212	1994.96	10.21	1934.0	2008.0
R10RETYR	11650	1997.40	10.36	1935.0	2011.0
R11RETYR	11674	1999.05	10.45	1935.0	2013.0
R12RETYR	11403	2000.87	10.58	1935.0	2014.0
R13RETYR	11167	2003.35	10.51	1941.0	2018.0
R14RETYR	9970	2005.36	10.37	1941.0	2019.0
R15RETYR	9489	2007.36	10.34	1941.0	2021.0
R16RETYR	9377	2009.77	10.15	1946.0	2023.0
S1RETYR	2086	1986.86	5.69	1950.0	1993.0
S2RETYR	5269	1983.67	9.39	1927.0	1994.0
S3RETYR	5498	1985.75	8.97	1927.0	1996.0
S4RETYR	5689	1988.41	8.32	1935.0	1998.0
S5RETYR	5799	1990.24	8.06	1936.0	2000.0
S6RETYR	5393	1992.26	8.16	1943.0	2003.0
S7RETYR	6425	1993.49	8.47	1943.0	2004.0
S8RETYR	6285	1994.97	8.84	1941.0	2007.0
S9RETYR	6015	1996.42	9.03	1941.0	2008.0
S10RETYR	6649	1998.77	9.25	1941.0	2011.0
S11RETYR	6562	2000.41	9.33	1948.0	2013.0
S12RETYR	6156	2002.32	9.51	1946.0	2014.0
S13RETYR	5825	2004.63	9.56	1950.0	2018.0
S14RETYR	5085	2006.64	9.51	1953.0	2019.0
S15RETYR	4864	2008.67	9.53	1956.0	2021.0
S16RETYR	4532	2010.96	9.37	1956.0	2023.0
R1RETDTWV	2596	1.00	0.02	1.0	2.0
R2RETDTWV	8268	2.74	0.90	1.0	13.0
R3RETDTWV	8581	2.78	0.42	1.0	3.0
R4RETDTWV	8956	3.48	0.72	1.0	4.0
R5RETDTWV	8984	4.02	0.98	1.0	5.0
R6RETDTWV	8586	4.65	1.29	1.0	6.0
R7RETDTWV	10489	5.13	1.59	1.0	7.0
R8RETDTWV	10413	5.67	1.88	1.0	8.0
R9RETDTWV	10213	6.21	2.20	1.0	9.0
R10RETDTWV	11662	7.22	2.56	1.0	10.0
R11RETDTWV	11688	7.92	2.80	1.0	12.0
R12RETDTWV	11424	8.67	3.04	1.0	12.0
R13RETDTWV	11192	9.65	3.25	1.0	13.0
R14RETDTWV	9984	10.46	3.39	1.0	14.0

R15RETDTWV	9498	11.33	3.51	1.0	15.0
R16RETDTWV	9388	12.59	3.59	1.0	16.0
S1RETDTWV	2086	1.00	0.02	1.0	2.0
S2RETDTWV	5270	2.66	0.94	1.0	13.0
S3RETDTWV	5501	2.73	0.45	1.0	3.0
S4RETDTWV	5702	3.40	0.75	1.0	4.0
S5RETDTWV	5805	3.99	1.02	1.0	5.0
S6RETDTWV	5394	4.64	1.33	1.0	6.0
S7RETDTWV	6427	5.17	1.62	1.0	7.0
S8RETDTWV	6286	5.76	1.90	1.0	8.0
S9RETDTWV	6016	6.34	2.22	1.0	9.0
S10RETDTWV	6656	7.35	2.55	1.0	10.0
S11RETDTWV	6568	8.08	2.78	1.0	12.0
S12RETDTWV	6163	8.93	2.97	1.0	12.0
S13RETDTWV	5836	9.90	3.14	1.0	13.0
S14RETDTWV	5090	10.75	3.25	1.0	14.0
S15RETDTWV	4869	11.68	3.31	1.0	15.0
S16RETDTWV	4536	12.83	3.36	1.0	16.0

How Constructed

Retirement month and year are derived only for Respondents who say they are completely or partially retired, i.e., where RwSAYRET is 1 or 2.

The source of retirement month and year varies across waves. In Wave 1 it is taken from the questions about retirement month and year that immediately follow an answer of considering oneself completely or partially retired. In Wave 2H, the variables for these direct retirement month and year questions are asked separately for Respondents working for a firm, self-employed, or not working. These are all examined for a non-missing retirement month and year. If retirement month and year are not available from these sources, and the Respondent reported a retired employment status then the retirement month and year given in conjunction with employment status is used.

From Wave 3H forward, a branchpoint variable indicates what the source of retirement month should be: from a previous wave, from the retired employment status month, or from the direct question. The variable derivation uses the indicated source for RwRETMON and RwRETYR.

Note that a few additional retirement months and years that are missing in RwRETMON and RwRETYR could be filled in all waves. In Wave 1, the retirement month from that given with a retired employment status could be used to fill missing values. In Wave 2H, the Wave 1 report could be carried forward, if the Respondent said they were retired in Wave 1. In Wave 3H, the retired employment status month could be used if the previous wave report is missing, and vice versa. One could look back to earlier waves as well.

In Wave 2A, there are no questions that ask the Respondent whether they consider themselves retired. To assign codes for retired the information from subsequent waves is used. If in a subsequent wave the Respondent reports being retired, the date of retirement is compared with interview date. If the interview date is after the date of retirement, R2RETMON and R2RETYR are set to the subsequent date. If R2RETMON and R2RETYR are not filled in this way, they are set to .Q to indicate that the information is not available.

The value of RwRETDTWV indicates which wave the retirement date was reported.

If Respondent says "not retired" or question is not relevant then we assign .N for "not applicable." For proxy interviews, values are set to .S to indicate question was skipped.

The spouse variables are taken from the Wave "w" spouse's self-report, i.e., from the spouse's RwRETMON and RwRETYR.

Cross Wave Differences in Original HRS Data

In each wave there are two possible sources for retirement month, which correspond to the two places where a Respondent can report being retired. One is the retirement month and year given if the Respondent reports being retired when asked for employment status (RwRETEMP=1). The second can be asked only if the Respondent says that they are completely or partially retired (RwSAYRET=1 or 2).

In all waves, if the Respondent reports being retired when asked for employment status (RwRETEMP=1), a question asks "In what month and year did you retire?"

In Wave 1, a question asks "In what month and year did you (partly/completely) retire?" of everyone who reported being completely or partially retired (R1SAYRET=1 or 2). In Wave 2H, the question is asked only if the Respondent did not give a retired employment status, that is, if R2SAYRET is 1 or 2 and R2RETEMP is not 1. From Wave 3H forward, the group asked this question is further limited to those who did not report being completely or partially retired in a previous wave. A branchpoint variable indicates whether the source of the retirement month should be taken from the previous wave, the employment status retirement month, or the question asked in the current interview.

In Wave 2H, the series of questions on whether the Respondent considers themselves retired and the subsequent inquiry on retirement month are asked in three different places, depending on whether the Respondent is working for a firm, self-employed, or not working.

In Wave 2A, the questions were not asked. In Wave 3A, the question "What month did you retire?" is only asked if Respondent retired less than 2 years ago.

HRS Variables Used

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HRS 1992:
    V4901           K1:RETRD:PART,ALL,OR:IMP
    V4902           K1A:DATE RETIRED:MONTH
    V4903           K1A:DATE RETIRED:YEAR
HRS 1994:
    W3314           FA1h.RETIRED-MONTH
    W3315           FA1h.RETIRED-YEAR
    W3983           FA123.CONSIDER SELF RETI
    W3984           FA123a.RETIRED-MONTH
    W3985           FA123a.RETIRED-YEAR
    W4638           FB83.RETIREMENT
    W4639           FB83a.MONTH OF RETIREMEN
    W4640           FB83a.YEAR OF RETIREMENT
    W5022           FC41.RETIREMENT
    W5023           FC41a.RETIRE MONTH.
    W5024           FC41a.RETIRE YEAR.
AHEAD 1995:
    D2643           GA1J.YEAR RETIRED
    D2644           GA1J.MONTH RETIRED
    D3130           GA123.RETIREMENT
    D3131           GA123A.RETIRE-MONTH
    D3132           GA123B.RETIRE 2 YR AGO?-YEAR.
HRS 1996:
    E2622           G1H.RETIRED-MONTH
    E2623           G1J.RETIRED-YEAR
    E3039           G134.CONSIDER SELF RETIRED
    E3040           G134A_.BRANCHPOINT
    E3041           G134A.RETIRED-MONTH
    E3042           G134A.RETIRED-YEAR
HRS 1998:
    F3126           G1H.RETIRED-MONTH
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    F3127           G1J.RETIRED-YEAR
    F3570           G134.CONSIDER SELF RETIRED
    F3571           G134A BRANCHPOINT
    F3572           G134A.RETIRED-MONTH
    F3573           G134A.RETIRED-YEAR
HRS 2000:
    G3376           G1H.RETIRED-MONTH
    G3377           G1J.RETIRED-YEAR
    G3859           G134.CONSIDER SELF RETIRED
    G3860           G134Y1.G134A BRANCHPOINT
    G3861           G134A.RETIRED-MONTH
    G3862           G134Y1A.RETIRED-YEAR
HRS 2002-2014:
    xJ017           RETIRED-MO
    xJ018           RETIRED-YR
    xJ578           CONSIDER SELF RETIRED
    xJ579           J579 BRANCHPOINT
    xJ580           MO-RETIRED
    xJ581           YR-RETIRED
HRS 2016-2022:
    xJ3578          CONSIDER SELF RETIRED
    xJ3579          BRANCHPOINT FOR J579
    xJ3580          MO-RETIRED
    xJ3581          YR-RETIRED
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Planned retirement year

Wave	Variable	Label	Type
1	R1RPLNYR	R1RPLNYR:W1 When R plans to stop work	Cont
2	R2RPLNYR	R2RPLNYR:W2 When R plans to stop work	Cont
3	R3RPLNYR	R3RPLNYR:W3 When R plans to stop work	Cont
4	R4RPLNYR	R4RPLNYR:W4 When R plans to stop work	Cont
5	R5RPLNYR	R5RPLNYR:W5 When R plans to stop work	Cont
6	R6RPLNYR	R6RPLNYR:W6 When R plans to stop work	Cont
7	R7RPLNYR	R7RPLNYR:W7 When R plans to stop work	Cont
8	R8RPLNYR	R8RPLNYR:W8 When R plans to stop work	Cont
9	R9RPLNYR	R9RPLNYR:W9 When R plans to stop work	Cont
10	R10RPLNYR	R10RPLNYR:W10 When R plans to stop work	Cont
11	R11RPLNYR	R11RPLNYR:W11 When R plans to stop work	Cont
12	R12RPLNYR	R12RPLNYR:W12 When R plans to stop work	Cont
13	R13RPLNYR	R13RPLNYR:W13 When R plans to stop work	Cont
14	R14RPLNYR	R14RPLNYR:W14 When R plans to stop work	Cont
15	R15RPLNYR	R15RPLNYR:W15 When R plans to stop work	Cont
16	R16RPLNYR	R16RPLNYR:W16 When R plans to stop work	Cont
1	S1RPLNYR	S1RPLNYR:W1 When S plans to stop work	Cont
2	S2RPLNYR	S2RPLNYR:W2 When S plans to stop work	Cont
3	S3RPLNYR	S3RPLNYR:W3 When S plans to stop work	Cont
4	S4RPLNYR	S4RPLNYR:W4 When S plans to stop work	Cont
5	S5RPLNYR	S5RPLNYR:W5 When S plans to stop work	Cont
6	S6RPLNYR	S6RPLNYR:W6 When S plans to stop work	Cont
7	S7RPLNYR	S7RPLNYR:W7 When S plans to stop work	Cont
8	S8RPLNYR	S8RPLNYR:W8 When S plans to stop work	Cont
9	S9RPLNYR	S9RPLNYR:W9 When S plans to stop work	Cont
10	S10RPLNYR	S10RPLNYR:W10 When S plans to stop work	Cont
11	S11RPLNYR	S11RPLNYR:W11 When S plans to stop work	Cont
12	S12RPLNYR	S12RPLNYR:W12 When S plans to stop work	Cont
13	S13RPLNYR	S13RPLNYR:W13 When S plans to stop work	Cont
14	S14RPLNYR	S14RPLNYR:W14 When S plans to stop work	Cont
15	S15RPLNYR	S15RPLNYR:W15 When S plans to stop work	Cont
16	S16RPLNYR	S16RPLNYR:W16 When S plans to stop work	Cont
1	R1RPLNYA	R1RPLNYA:W1 When R thinks will stop work	Cont
3	R3RPLNYA	R3RPLNYA:W3 When R thinks will stop work	Cont
4	R4RPLNYA	R4RPLNYA:W4 When R thinks will stop work	Cont
5	R5RPLNYA	R5RPLNYA:W5 When R thinks will stop work	Cont
6	R6RPLNYA	R6RPLNYA:W6 When R thinks will stop work	Cont
7	R7RPLNYA	R7RPLNYA:W7 When R thinks will stop work	Cont
8	R8RPLNYA	R8RPLNYA:W8 When R thinks will stop work	Cont
9	R9RPLNYA	R9RPLNYA:W9 When R thinks will stop work	Cont
10	R10RPLNYA	R10RPLNYA:W10 When R thinks will stop work	Cont
11	R11RPLNYA	R11RPLNYA:W11 When R thinks will stop work	Cont
12	R12RPLNYA	R12RPLNYA:W12 When R thinks will stop work	Cont
13	R13RPLNYA	R13RPLNYA:W13 When R thinks will stop work	Cont
14	R14RPLNYA	R14RPLNYA:W14 When R thinks will stop work	Cont
15	R15RPLNYA	R15RPLNYA:W15 When R thinks will stop work	Cont
16	R16RPLNYA	R16RPLNYA:W16 When R thinks will stop work	Cont
1	S1RPLNYA	S1RPLNYA:W1 When S thinks will stop work	Cont
3	S3RPLNYA	S3RPLNYA:W3 When S thinks will stop work	Cont
4	S4RPLNYA	S4RPLNYA:W4 When S thinks will stop work	Cont
5	S5RPLNYA	S5RPLNYA:W5 When S thinks will stop work	Cont
6	S6RPLNYA	S6RPLNYA:W6 When S thinks will stop work	Cont
7	S7RPLNYA	S7RPLNYA:W7 When S thinks will stop work	Cont
8	S8RPLNYA	S8RPLNYA:W8 When S thinks will stop work	Cont
9	S9RPLNYA	S9RPLNYA:W9 When S thinks will stop work	Cont
10	S10RPLNYA	S10RPLNYA:W10 When S thinks will stop work	Cont
11	S11RPLNYA	S11RPLNYA:W11 When S thinks will stop work	Cont
12	S12RPLNYA	S12RPLNYA:W12 When S thinks will stop work	Cont
13	S13RPLNYA	S13RPLNYA:W13 When S thinks will stop work	Cont
14	S14RPLNYA	S14RPLNYA:W14 When S thinks will stop work	Cont
15	S15RPLNYA	S15RPLNYA:W15 When S thinks will stop work	Cont
16	S16RPLNYA	S16RPLNYA:W16 When S thinks will stop work	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RPLNYR	1668	1998.37	4.57	1992.0	2049.0
R2RPLNYR	1627	1999.37	4.14	1994.0	2025.0
R3RPLNYR	1486	2000.45	3.98	1995.0	2026.0
R4RPLNYR	1588	2002.68	4.23	1998.0	2030.0
R5RPLNYR	1264	2004.02	4.19	2000.0	2032.0
R6RPLNYR	972	2006.06	3.90	2002.0	2034.0
R7RPLNYR	1233	2009.51	4.86	2004.0	2040.0
R8RPLNYR	1099	2010.97	4.82	2006.0	2044.0
R9RPLNYR	977	2012.48	4.15	2008.0	2034.0
R10RPLNYR	1370	2016.39	5.28	2010.0	2047.0
R11RPLNYR	1310	2017.83	4.77	2012.0	2046.0
R12RPLNYR	1233	2019.20	4.54	2014.0	2044.0
R13RPLNYR	1493	2022.88	5.30	2016.0	2047.0
R14RPLNYR	1085	2023.95	4.80	2018.0	2054.0
R15RPLNYR	1024	2025.14	4.52	2020.0	2053.0
R16RPLNYR	1015	2027.67	4.78	2022.0	2057.0
S1RPLNYR	1353	1998.45	4.73	1992.0	2049.0
S2RPLNYR	1284	1999.46	4.27	1994.0	2025.0
S3RPLNYR	1152	2000.48	4.05	1995.0	2026.0
S4RPLNYR	1186	2002.77	4.39	1998.0	2030.0
S5RPLNYR	959	2004.13	4.33	2000.0	2032.0
S6RPLNYR	732	2006.13	3.86	2002.0	2026.0
S7RPLNYR	905	2009.65	4.92	2004.0	2040.0
S8RPLNYR	815	2011.11	4.89	2006.0	2044.0
S9RPLNYR	710	2012.53	4.21	2008.0	2034.0
S10RPLNYR	952	2016.73	5.54	2010.0	2047.0
S11RPLNYR	934	2017.89	4.86	2012.0	2044.0
S12RPLNYR	849	2019.49	4.64	2014.0	2041.0
S13RPLNYR	989	2022.83	5.48	2016.0	2047.0
S14RPLNYR	719	2024.09	4.97	2018.0	2054.0
S15RPLNYR	662	2025.10	4.49	2020.0	2046.0
S16RPLNYR	601	2027.77	4.89	2022.0	2052.0
R1RPLNYA	6315	2000.60	5.51	1992.0	2049.0
R3RPLNYA	3090	2002.53	5.46	1995.0	2039.0
R4RPLNYA	3520	2004.91	5.83	1998.0	2041.0
R5RPLNYA	2887	2006.37	5.77	2000.0	2057.0
R6RPLNYA	2368	2008.26	5.74	2002.0	2048.0
R7RPLNYA	3230	2012.16	6.35	2004.0	2046.0
R8RPLNYA	2773	2013.50	6.16	2006.0	2047.0
R9RPLNYA	2508	2014.65	5.51	2008.0	2048.0
R10RPLNYA	4331	2019.38	6.65	2010.0	2057.0
R11RPLNYA	3989	2020.50	6.23	2012.0	2062.0
R12RPLNYA	3555	2021.73	6.10	2014.0	2070.0
R13RPLNYA	3972	2025.29	6.70	2016.0	2061.0
R14RPLNYA	3097	2026.40	6.34	2018.0	2060.0
R15RPLNYA	2611	2027.37	5.93	2020.0	2065.0
R16RPLNYA	2624	2030.09	6.38	2022.0	2064.0
S1RPLNYA	4932	2000.76	5.74	1992.0	2049.0
S3RPLNYA	2347	2002.57	5.53	1995.0	2039.0
S4RPLNYA	2642	2005.09	5.97	1998.0	2041.0
S5RPLNYA	2178	2006.58	5.89	2000.0	2046.0
S6RPLNYA	1737	2008.42	5.84	2002.0	2048.0
S7RPLNYA	2375	2012.33	6.49	2004.0	2046.0

S8RPLNYA	2070	2013.78	6.34	2006.0	2047.0
S9RPLNYA	1837	2014.77	5.58	2008.0	2048.0
S10RPLNYA	3004	2019.72	6.90	2010.0	2057.0
S11RPLNYA	2770	2020.71	6.36	2012.0	2062.0
S12RPLNYA	2443	2021.95	6.11	2014.0	2070.0
S13RPLNYA	2599	2025.38	6.88	2016.0	2061.0
S14RPLNYA	1931	2026.41	6.37	2018.0	2057.0
S15RPLNYA	1578	2027.42	6.05	2020.0	2065.0
S16RPLNYA	1460	2030.19	6.46	2022.0	2064.0

How Constructed

There are 2 planned retirement year variables. RwRPLNYR is derived from the variable which asks Respondent about retirement plans. If Respondent plans to stop work altogether then they are asked when, which is assigned to RwRPLNYR. Most cases are missing this variable.

RwRPLNYA is an alternate variable which combines RwRPLNYR with a question which asks when Respondent thinks they will stop work or retire. In Wave 1 this question follows a question on whether Respondent considers themselves completely retired, and asks when Respondent thinks they will retire completely. From Wave 3H forward, if Respondent responds to the retirement plans question that they haven't given it much thought or has no plans, they are asked: "When do you think you will stop working?." The year given in response to this is assigned to RwRPLNYA. If Respondent did not respond in this way but did respond that they plan to stop work altogether, then RwRPLNYR is assigned to RwRPLNYA. RwRPLNYA also has many missing values, but fewer than RwRPLNYR.

The alternate question used to derive RwRPLNYA is not asked in Wave 2A or 2H, so R2RPLNYA is missing.

The years for both RwRPLNYR and RwRPLNYA can be given by age or specific year. In Wave 1 only age is given for when Respondent plans to stop work altogether and only year for when Respondent thinks they will retire. In other waves, both age and year are in the data. If the year is given by age, then year is assigned as Respondent's birth year plus the age given.

If it is a proxy interview, these questions are not asked, and RwRPLNYR and RwRPLNYA are set to .S for "skipped because proxy."

If Respondent is not working then the questions about retirement plans are not asked, except for the "when do you think you will retire completely." If the questions are skipped because Respondent is not working, RwRPLNYR and RwRPLNYA are assigned a value of .W for "not working."

Respondent can respond "Never" to the "when" questions. If Respondent says "Never" or has no plan to stop work, RwRPLNYR is set to .N. If Respondent says "Never" or was not asked the "when do you think you will stop work" question in Waves 3H forward, RwRPLNYA is set to .N.

In Wave 1 if Respondent is completely retired, then the "when do you think you will retire completely" question is not asked, and R1RPLNYA is set to .A for "already retired."

The spouse variables are taken from the wave "w" spouse's self-report, i.e., from the spouse's RwRPLNYR and RwRPLNYA.

In Wave 2A, the data needed to derive R2RPLNYR are not collected. R2RPLNYR is set to .Q to indicate that this information is not available for AHEAD Respondents in this wave.

Cross Wave Differences in Original HRS Data

The variable of interest is the year the Respondent plans to stop working. In the employment section, the Respondent is asked about retirement plans. The question wording is almost the same across all waves. In all waves the question is preceded by a question about the usual retirement age for people the Respondent works with or with the same kind of job. It is prefaced by: "Now I have a few questions about work and retirement." Then the question is:

"Are you currently planning to stop working altogether or work fewer hours at a particular date or age, to change the kind of work you do when you reach a particular age, have you not given it much thought, or what?"

In Wave 2H, the question is:

"Are you currently planning to stop working altogether or work fewer hours at a particular date or age, have you not given it much thought, or what?"

In Wave 3A and 3H, the question is:

"Now I want to ask about your retirement plans. Do you plan to stop working altogether or work fewer hours at a particular date or age, have you not given it much thought, or what?"

In Waves 4 forward, the question is:

"Now I want to ask about your retirement plans. Do you plan to stop working altogether or reduce work hours at a particular date or age, have you not given it much thought, or what?"

In all waves multiple answers may be given: "stop work altogether," "never stop work," "haven't given it much thought," "no current plans-continue as is," "work fewer hours," "change kind of work," "work for myself," and "other." In Wave 3H another choice is added: "work until my health fails."

If Respondent plans to stop work altogether, Respondent is asked "At what age do you plan to stop working?" The questionnaire allows an age or year to be given. In Wave 1 the variable in the data is an age, but in subsequent waves either an age or year is in the data. Because multiple answers, including indefinite ones, are allowed, many cases are missing a retirement year.

Beginning in Wave 3A, if Respondent hasn't given it much thought or has no current plans, the survey asks: "At what age do you think you will stop working?" In the retirement expectations section of Wave 1 a question follows one on whether Respondent considers themselves completely retired, and asks when Respondent thinks they will retire completely. In Wave 2A there are no retirement questions asked and in 2H there is no question asking Respondent when they think they will stop working or retire.

For AHEAD Respondents in Wave 2A, the information for R2RPLNYR is not available.

HRS Variables Used

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HRS 1992:
    V3338           F91:STP WRK ALL TOGETHER
    V3346           F91A:AGE TO STOP WRKING
    V5001           K13:DATE/YR/AGE WILL:IMP
HRS 1994:
    W3967           FA122.PLANS FOR RETIREME
    W3968           FA122.PLANS FOR RETIREME
    W3969           FA122.PLANS FOR RETIREME
    W3970           FA122.PLANS FOR RETIREME
    W3975           FA122a.PLAN TO STOP WORK
    W4622           FB82.RETIREMENT PLANS
    W4623           FB82.RETIREMENT PLANS
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    W4624           FB82.RETIREMENT PLANS
    W4630           FB82a.AGE EXPECT STOP WO
AHEAD 1995:
    D3121M1         GA122. RETIREMENT PLANS
    D3121M2         GA122. RETIREMENT PLANS
    D3122           GA122A. AGE STOP WORKING
    D3123           GA122A1. YEAR STOP WORKING
    D3480M1         GB82. RETIREMENT PLANS
    D3480M2         GB82. RETIREMENT PLANS
    D3480M3         GB82. RETIREMENT PLANS
HRS 1996:
    E3028M1         G133.PLANS FOR RETIREMENT
    E3028M2         G133.PLANS FOR RETIREMENT
    E3028M3         G133.PLANS FOR RETIREMENT
    E3028M4         G133.PLANS FOR RETIREMENT
    E3029           G133A.PLAN TO STOP WORKING-AGE
    E3030           G133A1.PLAN TO STOP WORKING-YEAR
    E3031           G133B.THINK STOP WORKING-AGE
    E3032           G133B1.THINK STOP WORKING-YEAR
HRS 1998:
    F3559M1         G133.PLANS FOR RETIREMENT
    F3559M2         G133.PLANS FOR RETIREMENT
    F3559M3         G133.PLANS FOR RETIREMENT
    F3559M4         G133.PLANS FOR RETIREMENT
    F3559M5         G133.PLANS FOR RETIREMENT
    F3559M6         G133.PLANS FOR RETIREMENT
    F3560           G133A.PLAN TO STOP WORKING-AGE
    F3561           G133A1.PLAN TO STOP WORKING-YEAR
    F3562           G133B.THINK STOP WORKING-AGE
    F3563           G133B1.THINK STOP WORKING-YEAR
HRS 2000:
    G3848M1         G133.PLANS FOR RETIREMENT
    G3848M2         G133.PLANS FOR RETIREMENT
    G3848M3         G133.PLANS FOR RETIREMENT
    G3848M4         G133.PLANS FOR RETIREMENT
    G3849           G133A.PLAN TO STOP WORKING-AGE
    G3850           G133A1.PLAN TO STOP WORKING-YEAR
    G3851           G133B.THINK STOP WORKING-AGE
    G3852           G133B1.THINK STOP WORKING-YEAR
HRS 2018:
    QJ3566M7        PLANS FOR RETIREMENT- 7
HRS 2002-2004:
    xJ566M6         PLANS FOR RETIREMENT- 6
    xJ566M7         PLANS FOR RETIREMENT- 7
HRS 2002-2012:
    xJ566M5         PLANS FOR RETIREMENT- 5
HRS 2002-2014:
    xJ566M1         PLANS FOR RETIREMENT- 1
    xJ566M2         PLANS FOR RETIREMENT- 2
    xJ566M3         PLANS FOR RETIREMENT- 3
    xJ566M4         PLANS FOR RETIREMENT- 4
    xJ568           PLAN TO STOP WORKING-AGE
    xJ569           PLAN TO STOP WORKING-YR
    xJ570           THINK STOP WORKING-AGE
    xJ571           THINK STOP WORKING-YR
HRS 2016-2022:
    xJ3566M1        PLANS FOR RETIREMENT- 1
    xJ3566M2        PLANS FOR RETIREMENT- 2
    xJ3566M3        PLANS FOR RETIREMENT- 3
```

xJ3566M4	PLANS FOR RETIREMENT- 4
xJ3566M5	PLANS FOR RETIREMENT- 5
xJ3566M6	PLANS FOR RETIREMENT- 6
xJ3568	PLAN TO STOP WORKING-AGE
xJ3569	PLAN TO STOP WORKING-YR
xJ3570	THINK STOP WORKING-AGE
xJ3571	THINK STOP WORKING-YR

Expects spouse to retire at the same time

Wave	Variable	Label	Type
1	R1RETWSP	R1RETWSP:W1 R Expect-SP retire same time	Categ
1	S1RETWSP	S1RETWSP:W1 S Expect-SP retire same time	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETWSP	4802	0.87	0.74	0.0	2.0
S1RETWSP	4618	0.87	0.74	0.0	2.0

Categorical Variable Codes

R1RETWSP: R Expect-SP retire same time

Value	w1
.A=Already retired	1467
.D=DK	131
.I=Retirement not relevant	1077
.M=Oth missing	210
.N=No retirement plans	1985
.S=Skip,proxy IW	611
.U=Unmarried	2369
0.No	1672
1.Yes	2081
2.Sp not working	1049

S1RETWSP: S Expect-SP retire same time

Value	w1
.A=Already retired	1427
.D=DK	122
.I=Retirement not relevant	1029
.M=Oth missing	188
.N=No retirement plans	1906
.S=Skip,proxy IW	610
.U=Unmarried	2373
.V=Spouse NR	379
0.No	1614
1.Yes	1997
2.Sp not working	1007

How Constructed

The question is in the retirement expectations section and asks:

"Do you expect your spouse to retire at about the same time that you do?"

R1RETWSP is simply a recode of the HRS Wave 1 variable. The possible answers are yes, no, and spouse not working. If the spouse is not working this variable is set to 2. Otherwise, it is set to 0 for no and 1 for yes.

The variable is skipped for a number of reasons. Missing codes are assigned to identify the reasons. If Respondent is completely retired, R1RETWSP is set to .A for already retired. It is set to .U if Respondent is unmarried. If retirement is irrelevant, e.g., if Respondent hasn't been working for the last 10 years or is a homemaker, R1RETWSP is set to .I for irrelevant. If the interview is by proxy, R1RETWSP is set to .S for skipped because proxy.

The spouse variable is taken from the Wave 1 spouse's self-report, i.e., from the spouse's R1RETWSP.

HRS Variables Used

```
HRS 1992:
    V225            A10:CURRENT MARR STA:IMP
    V4901           K1:RETRD:PART,ALL,OR:IMP
    V5001           K13:DATE/YR/AGE WILL:IMP
    V5002           K14:SPOUSE RET SAME TIME
Tracker:
    APROXY              PROXY TYPE STATUS
```

Concerned about having enough retirement income

Wave	Variable	Label	Type
1	R1RETINC	R1RETINC:W1 R Worry-enough retiremnt inc	Categ
1	S1RETINC	S1RETINC:W1 S Worry-enough retiremnt inc	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETINC	8822	2.29	1.10	1.0	4.0
S1RETINC	6822	2.35	1.09	1.0	4.0

Categorical Variable Codes

R1RETINC: R Worry-enough retiremnt inc

Value	w1
.A=Already retired	1803
.D=DK	5
.M=Oth missing	116
.N=No retirement plans	1269
.S=Skip,proxy IW	637
1.A lot	2801
2.Somewhat	2370
3.Little	1980
4.Not at all	1671

S1RETINC: S Worry-enough retiremnt inc

Value	w1
.A=Already retired	1426
.D=DK	4
.M=Oth missing	67
.N=No retirement plans	974
.S=Skip,proxy IW	607
.U=Unmarried	2373
.V=Spouse NR	379
1.A lot	1953
2.Somewhat	1884
3.Little	1634
4.Not at all	1351

How Constructed

The question is in the retirement expectations section and asks:

"Now for things that worry some people about retirement. Please tell me if they worry you a lot, somewhat, a little, or not at

all: Not having enough income to get by."

R1RETINC simply recodes missings from the HRS variable. It is set to .S if the interview is by proxy, .A if the Respondent is already completely retired (R1SAYRET=1), .N if the Respondent says they will never retire to the question asking when they think they will retire.

The spouse variable is taken from the Wave 1 spouse's self-report, i.e., from the spouse's R1RETINC.

HRS Variables Used

```
HRS 1992:
    V4901           K1:RETRD:PART,ALL,OR:IMP
    V5001           K13:DATE/YR/AGE WILL:IMP
    V5022           K22E:WORRY:NOT ENOUGH $
```

Expectations regarding retirement living standards versus current living standards

Wave	Variable	Label	Type
1	R1RETLIV	R1RETLIV:W1 R Expect-retiremt living std	Categ
1	S1RETLIV	S1RETLIV:W1 S Expect-retiremt living std	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETLIV	8743	3.39	0.78	1.0	5.0
S1RETLIV	6782	3.39	0.75	1.0	5.0

Categorical Variable Codes

R1RETLIV: R Expect-retiremt living std

Value	w1
.A=Already retired	1803
.D=DK	56
.M=Oth missing	142
.N=No retirement plans	1269
.S=Skip,proxy IW	639
1.Increase a lot	122
2.Increase somewhat	619
3.Stay same as now	4379
4.Decline somewhat	3016
5.Decline a lot	607

S1RETLIV: S Expect-retiremt living std

Value	w1
.A=Already retired	1426
.D=DK	31
.M=Oth missing	78
.N=No retirement plans	974
.S=Skip,proxy IW	609
.U=Unmarried	2373
.V=Spouse NR	379
1.Increase a lot	82
2.Increase somewhat	441
3.Stay same as now	3450
4.Decline somewhat	2387
5.Decline a lot	422

How Constructed

The question is in the retirement expectations section and asks:

"When you [and your spouse/partner] decide to retire, do you expect your living standards to increase a lot, increase somewhat, stay about the same as now, decline somewhat, or decline a lot?"

R1RETLIV simply recodes missings from the HRS variable. It is set to .S if the interview is by proxy, .A if the Respondent is already completely retired (R1SAYRET=1), .N if the Respondent says they will never retire to the question asking when they think they will retire.

The spouse variable is taken from the Wave 1 spouse's self-report, i.e., from the spouse's R1RETLIV.

HRS Variables Used

```
HRS 1992:
    V4901           K1:RETRD:PART,ALL,OR:IMP
    V5001           K13:DATE/YR/AGE WILL:IMP
    V5024           K23:RATE LIV STND FOR RT
```

Expectation of total retirement wealth

Wave	Variable	Label	Type
1	R1RETWLT	R1RETWLT:W1 R Expect-tot retirement wlth	Cont
1	S1RETWLT	S1RETWLT:W1 S Expect-tot retirement wlth	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETWLT	8947	100227.06	300590.02	0.0	9000000.0
S1RETWLT	6896	108132.44	300197.84	0.0	7000000.0

How Constructed

The question is in the retirement expectations section and asks:

"Not counting IRA, Keogh, or any pension fund assets that you [and your spouse/partner] may have, roughly how much savings and reserve funds do you expect to have accumulated by the time you decide to retire?"

R1RETWLT simply recodes missings from the HRS variable. It is set to .S if the interview is by proxy, .A if the Respondent is already completely retired (R1SAYRET=1), .N if the Respondent says they will never retire to the question asking when they think they will retire.

The spouse variable is taken from the Wave 1 spouse's self-report, i.e., from the spouse's R1RETWLT.

HRS Variables Used

HRS 1992:

V4901	K1:RETRD:PART,ALL,OR:IMP
V5001	K13:DATE/YR/AGE WILL:IMP
V5025	K24:SAV:$AMT SAVD BY:IMP

Plans to continue paid work in retirement

Wave	Variable	Label	Type
1	R1RETWRK	R1RETWRK:W1 R Plan-paid work aft retired	Categ
1	S1RETWRK	S1RETWRK:W1 S Plan-paid work aft retired	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETWRK	10176	0.73	0.44	0.0	1.0
S1RETWRK	7908	0.72	0.45	0.0	1.0

Categorical Variable Codes

R1RETWRK: R Plan-paid work aft retired

Value	w1
.D=DK	1762
.M=Oth missing	71
.S=Skip,proxy IW	643
0.Stop work entirely	2733
1.Continue paid work	7443

S1RETWRK: S Plan-paid work aft retired

Value	w1
.D=DK	1342
.M=Oth missing	38
.S=Skip,proxy IW	612
.U=Unmarried	2373
.V=Spouse NR	379
0.Stop work entirely	2231
1.Continue paid work	5677

How Constructed

The question is in the retirement expectations section and asks:

"Some people want to stop paid work entirely when they retire, while others would like to continue doing some paid work, what about you?"

R1RETWRK simply recodes the HRS variable. A "stop work entirely" response is set to 0 and "continue paid work" is set to 1. This question is skipped if the interview is by proxy. In this case R1RETWRK is set to .S. There are many "don't know" responses to this question; the questionnaire indicates that this missing value includes both "not applicable" and "don't know." There was no clear reason for a "not applicable" code.

The spouse variable is taken from the Wave 1 spouse's self-report, i.e., from the spouse's R1RETWRK.

HRS Variables Used

```
HRS 1992:
    V5032           K26:CONT PAID WRK AT RET
```

Self-reported probability of living to age 75

Wave	Variable	Label	Type
1	R1LIV75	R1LIV75:W1 R Probability to live 75+	Cont
2	R2LIV75	R2LIV75:W2 R Probability to live 75+	Cont
3	R3LIV75	R3LIV75:W3 R Probability to live 75+	Cont
4	R4LIV75	R4LIV75:W4 R Probability to live 75+	Cont
5	R5LIV75	R5LIV75:W5 R Probability to live 75+	Cont
6	R6LIV75	R6LIV75:W6 R Probability to live 75+	Cont
7	R7LIV75	R7LIV75:W7 R Probability to live 75+	Cont
8	R8LIV75	R8LIV75:W8 R Probability to live 75+	Cont
9	R9LIV75	R9LIV75:W9 R Probability to live 75+	Cont
10	R10LIV75	R10LIV75:W10 R Probability to live 75+	Cont
11	R11LIV75	R11LIV75:W11 R Probability to live 75+	Cont
12	R12LIV75	R12LIV75:W12 R Probability to live 75+	Cont
13	R13LIV75	R13LIV75:W13 R Probability to live 75+	Cont
14	R14LIV75	R14LIV75:W14 R Probability to live 75+	Cont
15	R15LIV75	R15LIV75:W15 R Probability to live 75+	Cont
16	R16LIV75	R16LIV75:W16 R Probability to live 75+	Cont
1	S1LIV75	S1LIV75:W1 S Probability to live 75+	Cont
2	S2LIV75	S2LIV75:W2 S Probability to live 75+	Cont
3	S3LIV75	S3LIV75:W3 S Probability to live 75+	Cont
4	S4LIV75	S4LIV75:W4 S Probability to live 75+	Cont
5	S5LIV75	S5LIV75:W5 S Probability to live 75+	Cont
6	S6LIV75	S6LIV75:W6 S Probability to live 75+	Cont
7	S7LIV75	S7LIV75:W7 S Probability to live 75+	Cont
8	S8LIV75	S8LIV75:W8 S Probability to live 75+	Cont
9	S9LIV75	S9LIV75:W9 S Probability to live 75+	Cont
10	S10LIV75	S10LIV75:W10 S Probability to live 75+	Cont
11	S11LIV75	S11LIV75:W11 S Probability to live 75+	Cont
12	S12LIV75	S12LIV75:W12 S Probability to live 75+	Cont
13	S13LIV75	S13LIV75:W13 S Probability to live 75+	Cont
14	S14LIV75	S14LIV75:W14 S Probability to live 75+	Cont
15	S15LIV75	S15LIV75:W15 S Probability to live 75+	Cont
16	S16LIV75	S16LIV75:W16 S Probability to live 75+	Cont
1	R1LIV75P	R1LIV75P:W1 LfTab prob live 75+/R curage	Cont
2	R2LIV75P	R2LIV75P:W2 LfTab prob live 75+/R curage	Cont
3	R3LIV75P	R3LIV75P:W3 LfTab prob live 75+/R curage	Cont
4	R4LIV75P	R4LIV75P:W4 LfTab prob live 75+/R curage	Cont
5	R5LIV75P	R5LIV75P:W5 LfTab prob live 75+/R curage	Cont
6	R6LIV75P	R6LIV75P:W6 LfTab prob live 75+/R curage	Cont
7	R7LIV75P	R7LIV75P:W7 LfTab prob live 75+/R curage	Cont
8	R8LIV75P	R8LIV75P:W8 LfTab prob live 75+/R curage	Cont
9	R9LIV75P	R9LIV75P:W9 LfTab prob live 75+/R curage	Cont
10	R10LIV75P	R10LIV75P:W10 LfTab prob live 75+/R curage	Cont
11	R11LIV75P	R11LIV75P:W11 LfTab prob live 75+/R curage	Cont
12	R12LIV75P	R12LIV75P:W12 LfTab prob live 75+/R curage	Cont
13	R13LIV75P	R13LIV75P:W13 LfTab prob live 75+/R curage	Cont
14	R14LIV75P	R14LIV75P:W14 LfTab prob live 75+/R curage	Cont
15	R15LIV75P	R15LIV75P:W15 LfTab prob live 75+/R curage	Cont
16	R16LIV75P	R16LIV75P:W16 LfTab prob live 75+/R curage	Cont
1	S1LIV75P	S1LIV75P:W1 LfTab prob live 75+/R curage	Cont
2	S2LIV75P	S2LIV75P:W2 LfTab prob live 75+/R curage	Cont
3	S3LIV75P	S3LIV75P:W3 LfTab prob live 75+/R curage	Cont
4	S4LIV75P	S4LIV75P:W4 LfTab prob live 75+/R curage	Cont
5	S5LIV75P	S5LIV75P:W5 LfTab prob live 75+/R curage	Cont
6	S6LIV75P	S6LIV75P:W6 LfTab prob live 75+/R curage	Cont
7	S7LIV75P	S7LIV75P:W7 LfTab prob live 75+/R curage	Cont
8	S8LIV75P	S8LIV75P:W8 LfTab prob live 75+/R curage	Cont
9	S9LIV75P	S9LIV75P:W9 LfTab prob live 75+/R curage	Cont
10	S10LIV75P	S10LIV75P:W10 LfTab prob live 75+/R curage	Cont
11	S11LIV75P	S11LIV75P:W11 LfTab prob live 75+/R curage	Cont
12	S12LIV75P	S12LIV75P:W12 LfTab prob live 75+/R curage	Cont
13	S13LIV75P	S13LIV75P:W13 LfTab prob live 75+/R curage	Cont
14	S14LIV75P	S14LIV75P:W14 LfTab prob live 75+/R curage	Cont
15	S15LIV75P	S15LIV75P:W15 LfTab prob live 75+/R curage	Cont

16	S16LIV75P	S16LIV75P:W16 LfTab prob live 75+/R curage	Cont
1	R1LIV75R	R1LIV75R:W1 Rprob live 75+ / LfTab prob	Cont
2	R2LIV75R	R2LIV75R:W2 Rprob live 75+ / LfTab prob	Cont
3	R3LIV75R	R3LIV75R:W3 Rprob live 75+ / LfTab prob	Cont
4	R4LIV75R	R4LIV75R:W4 Rprob live 75+ / LfTab prob	Cont
5	R5LIV75R	R5LIV75R:W5 Rprob live 75+ / LfTab prob	Cont
6	R6LIV75R	R6LIV75R:W6 Rprob live 75+ / LfTab prob	Cont
7	R7LIV75R	R7LIV75R:W7 Rprob live 75+ / LfTab prob	Cont
8	R8LIV75R	R8LIV75R:W8 Rprob live 75+ / LfTab prob	Cont
9	R9LIV75R	R9LIV75R:W9 Rprob live 75+ / LfTab prob	Cont
10	R10LIV75R	R10LIV75R:W10 Rprob live 75+ / LfTab prob	Cont
11	R11LIV75R	R11LIV75R:W11 Rprob live 75+ / LfTab prob	Cont
12	R12LIV75R	R12LIV75R:W12 Rprob live 75+ / LfTab prob	Cont
13	R13LIV75R	R13LIV75R:W13 Rprob live 75+ / LfTab prob	Cont
14	R14LIV75R	R14LIV75R:W14 Rprob live 75+ / LfTab prob	Cont
15	R15LIV75R	R15LIV75R:W15 Rprob live 75+ / LfTab prob	Cont
16	R16LIV75R	R16LIV75R:W16 Rprob live 75+ / LfTab prob	Cont
1	S1LIV75R	S1LIV75R:W1 Rprob live 75+ / LfTab prob	Cont
2	S2LIV75R	S2LIV75R:W2 Rprob live 75+ / LfTab prob	Cont
3	S3LIV75R	S3LIV75R:W3 Rprob live 75+ / LfTab prob	Cont
4	S4LIV75R	S4LIV75R:W4 Rprob live 75+ / LfTab prob	Cont
5	S5LIV75R	S5LIV75R:W5 Rprob live 75+ / LfTab prob	Cont
6	S6LIV75R	S6LIV75R:W6 Rprob live 75+ / LfTab prob	Cont
7	S7LIV75R	S7LIV75R:W7 Rprob live 75+ / LfTab prob	Cont
8	S8LIV75R	S8LIV75R:W8 Rprob live 75+ / LfTab prob	Cont
9	S9LIV75R	S9LIV75R:W9 Rprob live 75+ / LfTab prob	Cont
10	S10LIV75R	S10LIV75R:W10 Rprob live 75+ / LfTab prob	Cont
11	S11LIV75R	S11LIV75R:W11 Rprob live 75+ / LfTab prob	Cont
12	S12LIV75R	S12LIV75R:W12 Rprob live 75+ / LfTab prob	Cont
13	S13LIV75R	S13LIV75R:W13 Rprob live 75+ / LfTab prob	Cont
14	S14LIV75R	S14LIV75R:W14 Rprob live 75+ / LfTab prob	Cont
15	S15LIV75R	S15LIV75R:W15 Rprob live 75+ / LfTab prob	Cont
16	S16LIV75R	S16LIV75R:W16 Rprob live 75+ / LfTab prob	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LIV75	11758	64.59	29.68	0.0	100.0
R2LIV75	9668	63.50	28.97	0.0	100.0
R3LIV75	8828	65.15	30.59	0.0	100.0
R4LIV75	9417	65.29	29.24	0.0	100.0
R5LIV75	8231	66.52	28.05	0.0	100.0
R6LIV75	6853	66.26	28.18	0.0	100.0
R7LIV75	8724	64.64	28.82	0.0	100.0
R8LIV75	6442	63.23	29.38	0.0	100.0
R9LIV75	5354	65.52	28.37	0.0	100.0
R10LIV75	10071	62.36	30.12	0.0	100.0
R11LIV75	9151	60.44	30.40	0.0	100.0
R12LIV75	7850	60.76	30.27	0.0	100.0
R13LIV75	10251	61.61	30.82	0.0	100.0
R14LIV75	7670	61.43	30.64	0.0	100.0
R15LIV75	6255	61.91	30.07	0.0	100.0
R16LIV75	6397	62.76	30.81	0.0	100.0
S1LIV75	9138	65.17	29.07	0.0	100.0
S2LIV75	7276	63.97	28.16	0.0	100.0
S3LIV75	6501	65.92	29.78	0.0	100.0
S4LIV75	6966	65.70	28.51	0.0	100.0
S5LIV75	6113	67.12	27.34	0.0	100.0
S6LIV75	5077	66.76	27.57	0.0	100.0

S7LIV75	6302	65.45	28.07	0.0	100.0
S8LIV75	4738	64.22	28.55	0.0	100.0
S9LIV75	3848	66.14	27.62	0.0	100.0
S10LIV75	6641	63.07	29.22	0.0	100.0
S11LIV75	6038	60.92	29.70	0.0	100.0
S12LIV75	5050	61.33	29.43	0.0	100.0
S13LIV75	6148	62.43	30.01	0.0	100.0
S14LIV75	4439	62.67	29.69	0.0	100.0
S15LIV75	3601	63.19	29.36	0.0	100.0
S16LIV75	3266	64.26	29.95	0.0	100.0
R1LIV75P	12651	69.64	7.17	54.2	100.0
R2LIV75P	19641	80.96	13.74	54.6	100.0
R3LIV75P	17991	82.23	13.31	55.7	100.0
R4LIV75P	21384	82.23	12.57	57.6	100.0
R5LIV75P	19578	83.69	12.02	58.8	100.0
R6LIV75P	18165	85.42	11.23	60.2	100.0
R7LIV75P	20129	84.72	11.20	61.9	100.0
R8LIV75P	18469	86.44	10.65	62.4	100.0
R9LIV75P	17217	87.88	10.23	63.3	100.0
R10LIV75P	22034	85.65	10.61	64.2	100.0
R11LIV75P	20554	86.85	10.28	64.9	100.0
R12LIV75P	18747	87.66	10.09	65.0	100.0
R13LIV75P	20912	85.81	10.42	64.3	100.0
R14LIV75P	17146	86.89	10.08	64.9	100.0
R15LIV75P	15723	86.03	10.93	60.8	100.0
R16LIV75P	15787	86.33	10.44	62.2	100.0
S1LIV75P	9900	69.27	7.22	54.2	100.0
S2LIV75P	13090	77.87	12.80	54.6	100.0
S3LIV75P	11917	79.36	12.50	55.7	100.0
S4LIV75P	13980	79.63	11.85	57.6	100.0
S5LIV75P	12730	81.09	11.41	58.8	100.0
S6LIV75P	11639	83.03	10.82	60.2	100.0
S7LIV75P	12972	82.64	10.77	61.9	100.0
S8LIV75P	11735	84.39	10.42	62.4	100.0
S9LIV75P	10646	85.98	10.13	63.3	100.0
S10LIV75P	13513	84.14	10.33	64.2	100.0
S11LIV75P	12484	85.30	10.09	64.9	100.0
S12LIV75P	11012	86.05	9.94	65.0	100.0
S13LIV75P	11779	84.52	10.18	64.3	100.0
S14LIV75P	9358	85.66	9.99	64.9	100.0
S15LIV75P	8477	84.67	10.90	61.0	100.0
S16LIV75P	7840	85.43	10.40	62.2	100.0
R1LIV75R	11757	0.93	0.44	0.0	1.8
R2LIV75R	9668	0.90	0.42	0.0	1.8
R3LIV75R	8828	0.91	0.43	0.0	1.7
R4LIV75R	9417	0.90	0.41	0.0	1.7
R5LIV75R	8231	0.90	0.39	0.0	1.7
R6LIV75R	6853	0.88	0.38	0.0	1.6
R7LIV75R	8724	0.86	0.39	0.0	1.6
R8LIV75R	6442	0.83	0.39	0.0	1.6
R9LIV75R	5354	0.85	0.37	0.0	1.6
R10LIV75R	10071	0.81	0.40	0.0	1.5
R11LIV75R	9151	0.78	0.39	0.0	1.5
R12LIV75R	7850	0.78	0.39	0.0	1.5
R13LIV75R	10251	0.80	0.40	0.0	1.6
R14LIV75R	7670	0.79	0.39	0.0	1.5

R15LIV75R	6255	0.82	0.40	0.0	1.6
R16LIV75R	6397	0.82	0.40	0.0	1.6
S1LIV75R	9138	0.94	0.43	0.0	1.8
S2LIV75R	7276	0.92	0.41	0.0	1.8
S3LIV75R	6501	0.92	0.42	0.0	1.7
S4LIV75R	6966	0.92	0.40	0.0	1.7
S5LIV75R	6113	0.92	0.38	0.0	1.7
S6LIV75R	5077	0.89	0.37	0.0	1.6
S7LIV75R	6302	0.87	0.38	0.0	1.6
S8LIV75R	4738	0.85	0.38	0.0	1.6
S9LIV75R	3848	0.86	0.36	0.0	1.6
S10LIV75R	6641	0.83	0.39	0.0	1.5
S11LIV75R	6038	0.79	0.39	0.0	1.5
S12LIV75R	5050	0.79	0.38	0.0	1.5
S13LIV75R	6148	0.81	0.39	0.0	1.6
S14LIV75R	4439	0.81	0.38	0.0	1.5
S15LIV75R	3601	0.84	0.39	0.0	1.6
S16LIV75R	3266	0.84	0.40	0.0	1.6

General Comments

Questions about probability of living to a given age vary between the AHEAD and HRS entry cohorts in Waves 2 and 3, due to the difference in the age of the Respondents. Thus, AHEAD Respondents are not asked about living to age 75, since most of them are close to or past that age at the first interview. So for the AHEAD entry cohort in Waves 2A and 3A, RwLIV75 and related variables (RwLIV75R, RwLIV75C, and RwLIV75F) are set to .Q to indicate that the information is not available. If an AHEAD Respondent is 75 or younger, RwLIV75P is set for them; if older than 75, RwLIV75P is set to 100.

In Waves 1, 2H, 3H, and 4, questions ask the Respondent the probability of living to age 85. In Wave 4, few of the AHEAD Respondents are young enough to be asked this question. To accommodate older Respondents, in Waves 2A, 3A, and from Wave 5 forward, the question does not always ask the probability of living to age 85, but asks the probability of living to an age from 80 to 100, depending on the Respondent's age. From Wave 5 on, the wording depends on the Respondent's age at the interview. In Waves 2A and 3A, the wording depends on birth year and is the same in both waves, even though Respondents are usually two years older in Wave 3A. So the age used to determine question wording in these waves is age in 1993.

These two different versions of the variables are named differently to alert the user to the inconsistencies in the questions. The Wave 1, 2H, 3H, and 4 variables are named RwLIV85, RwLIV85P, and RwLIV85R, while the Wave 2A, 3A, and from Wave 5 forward variables are named RwLIV10 (for 10 or so more years), RwLIV10P, and RwLIV10R. Changes in these probabilities from those given in a previous wave are used to measure change in health status in variables RwLIV75C, RwLIV85C, and R2LIV8XC. If the change uses RwLIV10R in the current or previous wave, then it is assigned to RwLIV8XC. If it uses RwLIV85R in both waves, it is assigned to RwLIV85C.

For AHEAD Respondents in Waves 2 and 3 (2A and 3A), RwLIV85, RwLIV85P, RwLIV85R, RwLIV85C, and RwLIV85F are set to .Q to indicate that this information is unavailable for this cohort in these waves. In addition, R4LIV85C and R4LIV85F are set to .Q for these cases, since the information is not available from a prior wave.

For HRS Respondents in Waves 2 and 3 (2H and 3H), RwLIV10, RwLIV10P, RwLIV10R, RwLIV8XC, and RwLIV8XF are set to .Q to indicate that these are inapplicable or unavailable for this cohort in these waves. In addition, R4LIV8XC and R4LIV8XF are set to .Q for these cases, since the prior wave information is completely based on RwLIV85 information.

How Constructed

RwLIV75 is the Respondent's self-reported probability of living to age 75.

RwLIV75P is the implied probability from the Vital Statistics life tables that someone of the Respondent's age and gender will live to be 75. RwLIV75R is the ratio between RwLIV75 and RwLIV75P.

The life tables used are the annual life tables for the year of the wave, e.g., the 1998 life table is used to derive R4LIV75P and the 2000 life table is used to derive R5LIV75P. For Waves 3A and 3H, an alternate set of life tables, similar to those from the NCHS web page but providing estimates beyond age 85, were taken from the Berkeley Mortality Database. The probability of survival is calculated as the number surviving at age 75 divided by the number surviving to the Respondent's age, for males or females, as appropriate. SwLIV75, SwLIV75P, and SwLIV75R provide this information for the Respondent's spouse or partner.

In Wave 1 Respondent's self-reported probability is given on a 0-10 scale. This is multiplied by 10 to derive a 0-100 scale consistent with that reported in other waves.

Otherwise this variable simply recodes missing values. It is set to .S if the question is skipped because the interview is by proxy. From Wave 2H forward, it is set to .A if skipped because Respondent is older than 65. It is set to .X if the Respondent can not perform the probability question. .D means "Don't Know" and .R means the "Respondent refused to answer the question."

The spouse variable is taken from the wave "w" spouse's self-report, e.g., S3LIV75 is taken from the Wave 3 spouse's R3LIV75.

This question is not asked in Wave 2A or 3A and so the variables are set to .Q.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2H, the question is asked in the Cognition section. In subsequent waves it is asked in the Expectations section.

In Wave 1, the question asks: "What do you think are the chances that you will live to be 75 or more?"

In subsequent waves, the question is: "(What is the percent chance) that you will live to be 75 or more?"

In Wave 1, the responses are on a scale of 0 to 10, with 0 meaning absolutely no chance and 10 meaning absolutely certain. In subsequent waves responses are scaled from 0 to 100.

In all waves, the question is skipped if the interview is by proxy. Beginning in Wave 2H this question is skipped if Respondent is older than age 65. This question is not asked in Waves 2A and 3A.

HRS Variables Used

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HRS 1992:
    V5115           L7:FUTR:WILL LIVE TO 75+
HRS 1994:
    W5839           C6.CHANCE LIVE TO 75
HRS 1996:
    E3819           H8. CHANCE LIVE TO 75
HRS 1998:
    F4605           H11. CHANCE LIVE TO 75
HRS 2000:
    G5018           H11. CHANCE LIVE TO 75
    G514            CS1A.PROXY/SELF INTERVIEW
HRS 2002-2022:
    xA009           PROXY/SELF INTERVIEW
    xP028           CHANCE R WILL LIVE TO BE AGE 75 OR MORE
```

Self-reported probability of living to age 85

Wave	Variable	Label	Type
1	R1LIV85	R1LIV85:W1 R Probability to live 85+	Cont
2	R2LIV85	R2LIV85:W2 R Probability to live 85+	Cont
3	R3LIV85	R3LIV85:W3 R Probability to live 85+	Cont
4	R4LIV85	R4LIV85:W4 R Probability to live 85+	Cont
1	S1LIV85	S1LIV85:W1 S Probability to live 85+	Cont
2	S2LIV85	S2LIV85:W2 S Probability to live 85+	Cont
3	S3LIV85	S3LIV85:W3 S Probability to live 85+	Cont
4	S4LIV85	S4LIV85:W4 S Probability to live 85+	Cont
2	R2LIV10	R2LIV10:W2 R Probability to live 80-100	Cont
3	R3LIV10	R3LIV10:W3 R Probability to live 80-100	Cont
5	R5LIV10	R5LIV10:W5 R Probability to live 80-100	Cont
6	R6LIV10	R6LIV10:W6 R Probability to live 80-100	Cont
7	R7LIV10	R7LIV10:W7 R Probability to live 80-100	Cont
8	R8LIV10	R8LIV10:W8 R Probability to live 80-100	Cont
9	R9LIV10	R9LIV10:W9 R Probability to live 80-100	Cont
10	R10LIV10	R10LIV10:W10 R Probability to live 80-100	Cont
11	R11LIV10	R11LIV10:W11 R Probability to live 80-100	Cont
12	R12LIV10	R12LIV10:W12 R Probability to live 80-100	Cont
13	R13LIV10	R13LIV10:W13 R Probability to live 80-100	Cont
14	R14LIV10	R14LIV10:W14 R Probability to live 80-100	Cont
15	R15LIV10	R15LIV10:W15 R Probability to live 80-100	Cont
16	R16LIV10	R16LIV10:W16 R Probability to live 80-100	Cont
2	S2LIV10	S2LIV10:W2 S Probability to live 80-100	Cont
3	S3LIV10	S3LIV10:W3 S Probability to live 80-100	Cont
5	S5LIV10	S5LIV10:W5 S Probability to live 80-100	Cont
6	S6LIV10	S6LIV10:W6 S Probability to live 80-100	Cont
7	S7LIV10	S7LIV10:W7 S Probability to live 80-100	Cont
8	S8LIV10	S8LIV10:W8 S Probability to live 80-100	Cont
9	S9LIV10	S9LIV10:W9 S Probability to live 80-100	Cont
10	S10LIV10	S10LIV10:W10 S Probability to live 80-100	Cont
11	S11LIV10	S11LIV10:W11 S Probability to live 80-100	Cont
12	S12LIV10	S12LIV10:W12 S Probability to live 80-100	Cont
13	S13LIV10	S13LIV10:W13 S Probability to live 80-100	Cont
14	S14LIV10	S14LIV10:W14 S Probability to live 80-100	Cont
15	S15LIV10	S15LIV10:W15 S Probability to live 80-100	Cont
16	S16LIV10	S16LIV10:W16 S Probability to live 80-100	Cont
2	R2LIV10A	R2LIV10A:W2 Age used in live 80-100/85 Q	Cont
3	R3LIV10A	R3LIV10A:W3 Age used in live 80-100/85 Q	Cont
5	R5LIV10A	R5LIV10A:W5 Age used in live 80-100/85 Q	Cont
6	R6LIV10A	R6LIV10A:W6 Age used in live 80-100/85 Q	Cont
7	R7LIV10A	R7LIV10A:W7 Age used in live 80-100/85 Q	Cont
8	R8LIV10A	R8LIV10A:W8 Age used in live 80-100/85 Q	Cont
9	R9LIV10A	R9LIV10A:W9 Age used in live 80-100/85 Q	Cont
10	R10LIV10A	R10LIV10A:W10 Age used in live 80-100/85 Q	Cont
11	R11LIV10A	R11LIV10A:W11 Age used in live 80-100/85 Q	Cont
12	R12LIV10A	R12LIV10A:W12 Age used in live 80-100/85 Q	Cont
13	R13LIV10A	R13LIV10A:W13 Age used in live 80-100/85 Q	Cont
14	R14LIV10A	R14LIV10A:W14 Age used in live 80-100/85 Q	Cont
15	R15LIV10A	R15LIV10A:W15 Age used in live 80-100/85 Q	Cont
16	R16LIV10A	R16LIV10A:W16 Age used in live 80-100/85 Q	Cont
2	S2LIV10A	S2LIV10A:W2 Age used in live 80-100/85 Q	Cont
3	S3LIV10A	S3LIV10A:W3 Age used in live 80-100/85 Q	Cont
5	S5LIV10A	S5LIV10A:W5 Age used in live 80-100/85 Q	Cont
6	S6LIV10A	S6LIV10A:W6 Age used in live 80-100/85 Q	Cont
7	S7LIV10A	S7LIV10A:W7 Age used in live 80-100/85 Q	Cont
8	S8LIV10A	S8LIV10A:W8 Age used in live 80-100/85 Q	Cont
9	S9LIV10A	S9LIV10A:W9 Age used in live 80-100/85 Q	Cont
10	S10LIV10A	S10LIV10A:W10 Age used in live 80-100/85 Q	Cont
11	S11LIV10A	S11LIV10A:W11 Age used in live 80-100/85 Q	Cont
12	S12LIV10A	S12LIV10A:W12 Age used in live 80-100/85 Q	Cont
13	S13LIV10A	S13LIV10A:W13 Age used in live 80-100/85 Q	Cont

14	S14LIV10A	S14LIV10A:W14 Age used in live 80-100/85 Q	Cont
15	S15LIV10A	S15LIV10A:W15 Age used in live 80-100/85 Q	Cont
16	S16LIV10A	S16LIV10A:W16 Age used in live 80-100/85 Q	Cont
1	R1LIV85P	R1LIV85P:W1 LfTab prob live 85+/R curage	Cont
2	R2LIV85P	R2LIV85P:W2 LfTab prob live 85+/R curage	Cont
3	R3LIV85P	R3LIV85P:W3 LfTab prob live 85+/R curage	Cont
4	R4LIV85P	R4LIV85P:W4 LfTab prob live 85+/R curage	Cont
1	S1LIV85P	S1LIV85P:W1 LfTab prob live 85+/R curage	Cont
2	S2LIV85P	S2LIV85P:W2 LfTab prob live 85+/R curage	Cont
3	S3LIV85P	S3LIV85P:W3 LfTab prob live 85+/R curage	Cont
4	S4LIV85P	S4LIV85P:W4 LfTab prob live 85+/R curage	Cont
2	R2LIV10P	R2LIV10P:W2 LfTab prob live 80-100/R curage	Cont
3	R3LIV10P	R3LIV10P:W3 LfTab prob live 80-100/R curage	Cont
5	R5LIV10P	R5LIV10P:W5 LfTab prob live 80-100/R curage	Cont
6	R6LIV10P	R6LIV10P:W6 LfTab prob live 80-100/R curage	Cont
7	R7LIV10P	R7LIV10P:W7 LfTab prob live 80-100/R curage	Cont
8	R8LIV10P	R8LIV10P:W8 LfTab prob live 80-100/R curage	Cont
9	R9LIV10P	R9LIV10P:W9 LfTab prob live 80-100/R curage	Cont
10	R10LIV10P	R10LIV10P:W10 LfTab prob live 80-100/R curage	Cont
11	R11LIV10P	R11LIV10P:W11 LfTab prob live 80-100/R curage	Cont
12	R12LIV10P	R12LIV10P:W12 LfTab prob live 80-100/R curage	Cont
13	R13LIV10P	R13LIV10P:W13 LfTab prob live 80-100/R curage	Cont
14	R14LIV10P	R14LIV10P:W14 LfTab prob live 80-100/R curage	Cont
15	R15LIV10P	R15LIV10P:W15 LfTab prob live 80-100/R curage	Cont
16	R16LIV10P	R16LIV10P:W16 LfTab prob live 80-100/R curage	Cont
2	S2LIV10P	S2LIV10P:W2 LfTab prob live 80-100/R curage	Cont
3	S3LIV10P	S3LIV10P:W3 LfTab prob live 80-100/R curage	Cont
5	S5LIV10P	S5LIV10P:W5 LfTab prob live 80-100/R curage	Cont
6	S6LIV10P	S6LIV10P:W6 LfTab prob live 80-100/R curage	Cont
7	S7LIV10P	S7LIV10P:W7 LfTab prob live 80-100/R curage	Cont
8	S8LIV10P	S8LIV10P:W8 LfTab prob live 80-100/R curage	Cont
9	S9LIV10P	S9LIV10P:W9 LfTab prob live 80-100/R curage	Cont
10	S10LIV10P	S10LIV10P:W10 LfTab prob live 80-100/R curage	Cont
11	S11LIV10P	S11LIV10P:W11 LfTab prob live 80-100/R curage	Cont
12	S12LIV10P	S12LIV10P:W12 LfTab prob live 80-100/R curage	Cont
13	S13LIV10P	S13LIV10P:W13 LfTab prob live 80-100/R curage	Cont
14	S14LIV10P	S14LIV10P:W14 LfTab prob live 80-100/R curage	Cont
15	S15LIV10P	S15LIV10P:W15 LfTab prob live 80-100/R curage	Cont
16	S16LIV10P	S16LIV10P:W16 LfTab prob live 80-100/R curage	Cont
1	R1LIV85R	R1LIV85R:W1 Rprob live 85+ / LfTab prob	Cont
2	R2LIV85R	R2LIV85R:W2 Rprob live 85+ / LfTab prob	Cont
3	R3LIV85R	R3LIV85R:W3 Rprob live 85+ / LfTab prob	Cont
4	R4LIV85R	R4LIV85R:W4 Rprob live 85+ / LfTab prob	Cont
1	S1LIV85R	S1LIV85R:W1 Rprob live 85+ / LfTab prob	Cont
2	S2LIV85R	S2LIV85R:W2 Rprob live 85+ / LfTab prob	Cont
3	S3LIV85R	S3LIV85R:W3 Rprob live 85+ / LfTab prob	Cont
4	S4LIV85R	S4LIV85R:W4 Rprob live 85+ / LfTab prob	Cont
2	R2LIV10R	R2LIV10R:W2 Rprob live 80-100 / LfTab prob	Cont
3	R3LIV10R	R3LIV10R:W3 Rprob live 80-100 / LfTab prob	Cont
5	R5LIV10R	R5LIV10R:W5 Rprob live 80-100 / LfTab prob	Cont
6	R6LIV10R	R6LIV10R:W6 Rprob live 80-100 / LfTab prob	Cont
7	R7LIV10R	R7LIV10R:W7 Rprob live 80-100 / LfTab prob	Cont
8	R8LIV10R	R8LIV10R:W8 Rprob live 80-100 / LfTab prob	Cont
9	R9LIV10R	R9LIV10R:W9 Rprob live 80-100 / LfTab prob	Cont
10	R10LIV10R	R10LIV10R:W10 Rprob live 80-100 / LfTab prob	Cont
11	R11LIV10R	R11LIV10R:W11 Rprob live 80-100 / LfTab prob	Cont
12	R12LIV10R	R12LIV10R:W12 Rprob live 80-100 / LfTab prob	Cont
13	R13LIV10R	R13LIV10R:W13 Rprob live 80-100 / LfTab prob	Cont
14	R14LIV10R	R14LIV10R:W14 Rprob live 80-100 / LfTab prob	Cont
15	R15LIV10R	R15LIV10R:W15 Rprob live 80-100 / LfTab prob	Cont
16	R16LIV10R	R16LIV10R:W16 Rprob live 80-100 / LfTab prob	Cont
2	S2LIV10R	S2LIV10R:W2 Rprob live 80-100 / LfTab prob	Cont
3	S3LIV10R	S3LIV10R:W3 Rprob live 80-100 / LfTab prob	Cont
5	S5LIV10R	S5LIV10R:W5 Rprob live 80-100 / LfTab prob	Cont

6	S6LIV10R	S6LIV10R:W6 Rprob live 80-100 / LfTab prob	Cont
7	S7LIV10R	S7LIV10R:W7 Rprob live 80-100 / LfTab prob	Cont
8	S8LIV10R	S8LIV10R:W8 Rprob live 80-100 / LfTab prob	Cont
9	S9LIV10R	S9LIV10R:W9 Rprob live 80-100 / LfTab prob	Cont
10	S10LIV10R	S10LIV10R:W10 Rprob live 80-100 / LfTab prob	Cont
11	S11LIV10R	S11LIV10R:W11 Rprob live 80-100 / LfTab prob	Cont
12	S12LIV10R	S12LIV10R:W12 Rprob live 80-100 / LfTab prob	Cont
13	S13LIV10R	S13LIV10R:W13 Rprob live 80-100 / LfTab prob	Cont
14	S14LIV10R	S14LIV10R:W14 Rprob live 80-100 / LfTab prob	Cont
15	S15LIV10R	S15LIV10R:W15 Rprob live 80-100 / LfTab prob	Cont
16	S16LIV10R	S16LIV10R:W16 Rprob live 80-100 / LfTab prob	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LIV85	11740	43.47	32.28	0.0	100.0
R2LIV85	10163	42.02	31.28	0.0	100.0
R3LIV85	9583	45.16	33.16	0.0	100.0
R4LIV85	9303	43.54	31.89	0.0	100.0
S1LIV85	9133	43.62	31.82	0.0	100.0
S2LIV85	7756	42.06	30.82	0.0	100.0
S3LIV85	7221	45.32	32.63	0.0	100.0
S4LIV85	6898	43.32	31.31	0.0	100.0
R2LIV10	6141	43.18	34.85	0.0	100.0
R3LIV10	5338	50.24	32.88	0.0	100.0
R5LIV10	15579	49.56	31.82	0.0	100.0
R6LIV10	14420	48.63	32.08	0.0	100.0
R7LIV10	16780	49.04	32.35	0.0	100.0
R8LIV10	15467	45.30	32.15	0.0	100.0
R9LIV10	14450	48.29	31.73	0.0	100.0
R10LIV10	18911	45.77	32.61	0.0	100.0
R11LIV10	17925	45.21	32.20	0.0	100.0
R12LIV10	16452	45.73	32.13	0.0	100.0
R13LIV10	18510	46.75	32.58	0.0	100.0
R14LIV10	15255	46.95	32.32	0.0	100.0
R15LIV10	13763	47.27	31.95	0.0	100.0
R16LIV10	14051	49.07	32.29	0.0	100.0
S2LIV10	3423	45.88	33.94	0.0	100.0
S3LIV10	2929	52.44	31.67	0.0	100.0
S5LIV10	10469	50.85	31.04	0.0	100.0
S6LIV10	9540	50.25	31.09	0.0	100.0
S7LIV10	11137	50.27	31.61	0.0	100.0
S8LIV10	10171	46.40	31.35	0.0	100.0
S9LIV10	9300	49.23	30.46	0.0	100.0
S10LIV10	11938	46.50	31.54	0.0	100.0
S11LIV10	11252	45.60	31.36	0.0	100.0
S12LIV10	9976	46.35	30.99	0.0	100.0
S13LIV10	10713	47.36	31.48	0.0	100.0
S14LIV10	8529	47.53	31.29	0.0	100.0
S15LIV10	7617	47.69	30.96	0.0	100.0
S16LIV10	7162	49.68	31.10	0.0	100.0
R2LIV10A	7930	89.12	5.63	80.0	100.0
R3LIV10A	6803	88.83	5.57	80.0	100.0
R5LIV10A	19141	83.93	6.01	80.0	100.0

R6LIV10A	17603	84.26	6.13	80.0	100.0
R7LIV10A	19431	83.90	6.00	80.0	100.0
R8LIV10A	17948	86.32	5.20	80.0	100.0
R9LIV10A	16675	86.56	5.36	80.0	100.0
R10LIV10A	21457	86.39	4.60	80.0	100.0
R11LIV10A	19951	86.62	4.72	80.0	100.0
R12LIV10A	18139	86.71	4.91	80.0	100.0
R13LIV10A	20365	86.42	4.73	80.0	100.0
R14LIV10A	16660	86.52	5.02	80.0	100.0
R15LIV10A	15293	86.52	5.23	80.0	100.0
R16LIV10A	15338	86.37	5.17	80.0	100.0
S2LIV10A	4293	87.51	5.46	80.0	100.0
S3LIV10A	3552	87.24	5.33	80.0	100.0
S5LIV10A	12667	82.78	4.96	80.0	100.0
S6LIV10A	11500	83.09	5.10	80.0	100.0
S7LIV10A	12699	82.90	5.04	80.0	100.0
S8LIV10A	11658	85.59	4.43	80.0	100.0
S9LIV10A	10564	85.82	4.67	80.0	100.0
S10LIV10A	13421	85.85	4.06	80.0	100.0
S11LIV10A	12392	86.05	4.26	80.0	100.0
S12LIV10A	10922	86.11	4.44	80.0	100.0
S13LIV10A	11685	85.92	4.24	80.0	100.0
S14LIV10A	9262	86.03	4.55	80.0	100.0
S15LIV10A	8394	86.00	4.74	80.0	100.0
S16LIV10A	7753	86.00	4.84	80.0	100.0
R1LIV85P	12651	37.45	8.86	24.1	100.0
R2LIV85P	11419	37.87	8.34	24.4	88.4
R3LIV85P	10964	39.21	7.92	25.5	100.0
R4LIV85P	21384	49.64	18.17	26.9	100.0
S1LIV85P	9900	36.83	8.82	24.1	100.0
S2LIV85P	8741	37.17	8.31	24.4	88.4
S3LIV85P	8308	38.53	7.94	25.5	100.0
S4LIV85P	13980	45.13	14.33	26.9	100.0
R2LIV10P	7930	34.61	19.11	1.9	72.5
R3LIV10P	6803	38.59	19.38	2.6	100.0
R5LIV10P	19141	49.33	18.15	1.8	100.0
R6LIV10P	17603	49.95	18.67	3.5	100.0
R7LIV10P	19431	52.33	17.90	4.1	100.0
R8LIV10P	17948	43.52	17.53	2.8	100.0
R9LIV10P	16675	44.82	18.54	1.1	100.0
R10LIV10P	21457	45.31	16.14	2.4	100.0
R11LIV10P	19951	45.51	16.52	2.6	100.0
R12LIV10P	18139	46.00	17.07	3.0	100.0
R13LIV10P	20365	46.44	16.51	2.0	100.0
R14LIV10P	16660	46.76	17.70	2.1	100.0
R15LIV10P	15293	43.35	18.34	1.5	100.0
R16LIV10P	15338	45.65	18.12	1.0	100.0
S2LIV10P	4293	37.77	19.81	1.9	72.5
S3LIV10P	3552	41.65	19.78	2.6	75.9
S5LIV10P	12667	51.60	15.72	1.8	100.0
S6LIV10P	11500	52.23	16.34	3.5	100.0
S7LIV10P	12699	54.22	15.72	4.1	100.0
S8LIV10P	11658	44.50	15.89	2.8	81.2
S9LIV10P	10564	46.02	16.94	2.6	100.0

S10LIV10P	13421	46.05	15.07	2.4	100.0
S11LIV10P	12392	46.38	15.62	2.6	100.0
S12LIV10P	10922	46.95	16.05	3.0	100.0
S13LIV10P	11685	47.17	15.49	2.0	100.0
S14LIV10P	9262	47.48	16.64	2.1	100.0
S15LIV10P	8394	44.03	17.23	1.5	100.0
S16LIV10P	7753	46.03	17.40	1.1	100.0
R1LIV85R	11739	1.20	0.95	0.0	4.0
R2LIV85R	10162	1.14	0.90	0.0	4.1
R3LIV85R	9583	1.18	0.90	0.0	3.8
R4LIV85R	9303	1.12	0.85	0.0	3.6
S1LIV85R	9133	1.22	0.95	0.0	4.0
S2LIV85R	7756	1.16	0.90	0.0	4.1
S3LIV85R	7221	1.20	0.90	0.0	3.6
S4LIV85R	6898	1.13	0.85	0.0	3.6
R2LIV10R	6141	1.87	3.49	0.0	47.0
R3LIV10R	5338	1.79	2.86	0.0	37.8
R5LIV10R	15554	1.23	1.76	0.0	31.6
R6LIV10R	14420	1.15	1.50	0.0	25.5
R7LIV10R	16780	1.07	1.27	0.0	24.3
R8LIV10R	15467	1.28	1.94	0.0	35.7
R9LIV10R	14450	1.42	2.40	0.0	38.3
R10LIV10R	18911	1.20	1.79	0.0	35.6
R11LIV10R	17925	1.22	1.90	0.0	35.1
R12LIV10R	16452	1.22	1.84	0.0	33.0
R13LIV10R	18510	1.22	1.80	0.0	32.4
R14LIV10R	15255	1.27	1.97	0.0	35.7
R15LIV10R	13763	1.57	3.07	0.0	55.1
R16LIV10R	14051	1.52	2.87	0.0	43.3
S2LIV10R	3423	1.77	3.27	0.0	47.0
S3LIV10R	2929	1.70	2.66	0.0	37.8
S5LIV10R	10462	1.14	1.48	0.0	31.6
S6LIV10R	9540	1.09	1.28	0.0	25.5
S7LIV10R	11137	1.02	1.07	0.0	21.9
S8LIV10R	10171	1.22	1.67	0.0	35.7
S9LIV10R	9300	1.34	2.19	0.0	34.5
S10LIV10R	11938	1.17	1.65	0.0	35.6
S11LIV10R	11252	1.17	1.76	0.0	35.1
S12LIV10R	9976	1.18	1.69	0.0	29.7
S13LIV10R	10713	1.17	1.60	0.0	32.4
S14LIV10R	8529	1.20	1.68	0.0	35.7
S15LIV10R	7617	1.48	2.88	0.0	55.1
S16LIV10R	7162	1.50	2.80	0.0	43.3

How Constructed

Please see General Comments section of "Self-Reported probability of living to age 75" for details of how this item was asked across questionnaires.

RwLIV85 is the Respondent's self-reported probability of living to age 85. For Waves 2A, 3A and from Wave 5 forward the variable measures the self-reported probability of living about another 10 years, and the name of the variables (RwLIV10) reflects this

change. Except in Wave 8, for Respondents who are under 70 years old at the particular wave, RwLIV10 is the self-reported probability of living to age 80; for those 70 to 74, it is the probability of living to age 85; and so on. From Wave 8 forward, Respondents under 65 are asked about living to age 85 and those from 65 to 69 are asked about living to age 80. RwLIV10A gives the specific age used in the question, which ranges from 80 to 100, in Waves 2, 3, and Wave 5 forward. In Waves 1 and 4, the question asked about age 85 in all cases.

RwLIV85P is the implied probability from the Vital Statistics life tables that someone of the Respondent's age and gender will live to be 85. RwLIV10P is the implied probability that someone of the Respondent's age and gender will live to be the age used in the Wave 5 question. The life tables used are the annual life tables for the year of the wave, e.g., the 1998 life table is used to derive R4LIV85P and the 2000 life table is used to derive R5LIV10P. For Waves 3A and 3H, an alternate set of life tables, similar to those from the NCHS web page but providing estimates beyond age 85, were taken from the Berkeley Mortality Database. The probability of survival is calculated as the number surviving at age 85 (or 90, 95, or 100) divided by the number surviving to Respondent's age, for males or females, as appropriate.

RwLIV85R is the ratio between RwLIV85 and RwLIV85P. RwLIV10R is the ratio between RwLIV10 and RwLIV10P.

SwLIV85, SwLIV85P, SwLIV85R, SwLIV10, SwLIV10P, and SwLIV10R provide this information for the Respondent's spouse or partner.

In the question preceding the one from which these variables are derived, which asks the chances of living to age 75, if Respondent responds "absolutely no chance" (=0), this variable is set to the same. It is assumed that if the Respondent reports no chance of living to age 75 that they would report no chance of living to an older age. If the analyst needs to know the cases where RwLIV85/10 is logically imputed using RwLIV75, they can simply check RwLIV75 for a value of zero.

In Wave 1 the Respondent's self-reported probability is given on a 0-10 scale. This is multiplied by 10 to derive a 0-100 scale consistent with that reported in other waves.

Otherwise the derivation of RwLIV85 and RwLIV10 simply recodes missing values. It is set to .S if the question is skipped because the interview is by proxy. It is set to .X if the Respondent can not perform the probability question. .D means Don't Know and .R means the Respondent refused to answer the question. For Waves 2H to 4, it is set to .A if skipped because Respondent is older than 75. In Wave 5, it is set to .A if skipped because Respondent is older than 90. Note that in Wave 4, inappropriate skips (Respondent is 66 to 75) appear as other missings (.M).

RwLIV85P and RwLIV10P are calculated from the Vital Statistics life tables, using the Respondent's age and gender, as the probability of living to the target age, 85 and the age used in the Wave 2A, 3A and 5 question, given that the Respondent has lived to their current age. The calculation divides the total population at the target age by the total population at the Respondent's current age.

The derivation assigns the ratio, RwLIV85 / RwLIV85P, to RwLIV85R. It assigns the ratio, RwLIV10 / RwLIV10P, to RwLIV10R.

The spouse variables are taken from the wave "w" spouse's self-report, e.g., S3LIV85 is taken from the Wave 3 spouse's R3LIV85.

In Waves 2A and 3A, the data needed to derive R2LIV85, R2LIV85P, R2LIV85R, R3LIV85, R3LIV85P, and R3LIV85R are not collected. R2LIV85, R2LIV85P, R2LIV85R, R3LIV85, R3LIV85P, and R3LIV85R are set to .Q to indicate that this information is not available for AHEAD Respondents in these waves.

In Waves 2H and 3H, the data needed to derive R2LIV10, R2LIV10P, R2LIV10R, R3LIV10, R3LIV10P, and R3LIV10R are not collected. R2LIV10, R2LIV10P, R2LIV10R, R3LIV10, R3LIV10P, and R3LIV10R are set to .Q to indicate that this information is not available for HRS Respondents in these waves.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2H, the question is asked in the Cognition section. In subsequent waves it is asked in the Expectations section. It always follows a question that asks the chance that the Respondent will live to be 75 or more. If Respondent responds "absolutely no chance" to that question, this question is skipped.

In Wave 1, the question asks: And how about the chances that you will live to be 85 or more?

In Waves 2H to 4, the question is: What is the percent chance that you will live to be 85 or more?

In Waves 2A, 3A and from Wave 5 forward, the question is changed to reflect the chance that Respondent will live about another 10 years. The question wording depends on Respondent's age: "What is the percent chance that you will live to be (80, 85, 90, 95, or 100) or more?" In Waves 2A, 3A, 5, 6, and 7 if Respondent is 69 or less, it uses 80; if 70-74 it uses 85; if 75-79 it uses 90; if 80-84 it uses 95; and if 85-89 it uses 100. In Wave 8 if Respondent is under 65, it uses 85; if 65-69 it uses 80; if 70-74 it uses 85; if 75-79 it uses 90; if 80-84 it uses 95; and if 85-89 it uses 100.

In Wave 1, the responses are on a scale of 0 to 10, with 0 meaning absolutely no chance and 10 meaning absolutely certain. In subsequent waves responses are scaled from 0 to 100.

In all waves, the question is skipped if the interview is by proxy. In Waves 2H and 3H, this question is skipped if Respondent is older than age 75. In Wave 4, the documentation indicates that the question is skipped if Respondent is older than age 75, but in the data it appears that the question is skipped if Respondent is older than 65. In Wave 2A, 3A and 5, this question is skipped if Respondent is 90 or older.

For AHEAD Respondents in Waves 2A and 3A, the information for R2LIV85, R2LIV85P, R2LIV85R, R3LIV85, R3LIV85P, and R3LIV85R are not available.

For HRS Respondents in Waves 2H and 3H, the information for R2LIV10, R2LIV10P, R2LIV10R, R3LIV10, R3LIV10P, and R3LIV10R are not available.

HRS Variables Used

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HRS 1992:
    V5116           L8:FUTR:WILL LIVE TO 85+
AHEAD 1993:
    B114            A1. BIRTH YEAR
    B1285           H7. EXPECT LIVE TO AGE
HRS 1994:
    W5840           C7.CHANCE LIVE TO 85
AHEAD 1995:
    D373            R BIRTH YEAR
    D3788           H2.EXP:LIVE 5 YR
HRS 1996:
    E3821           H9. CHANCE LIVE TO 85
HRS 1998:
    F4607           H12. CHANCE LIVE TO 85
HRS 2000:
    G1101           A21Y1.R-CURRENT AGE
    G5020           H12. CHANCE LIVE TO 85
    G514            CS1A.PROXY/SELF INTERVIEW
HRS 2002-2022:
    xA009           PROXY/SELF INTERVIEW
    xA019           R CURRENT AGE CALCULATION
    xP029           CHANCE R WILL LIVE TO 80/85/90/95/100
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Change in Health: Self-reported Mortality Expectations

Wave	Variable	Label	Type
2	R2LIV75C	R2LIV75C:W2 Chg live 75+: R/LfTab ratio	Cont
3	R3LIV75C	R3LIV75C:W3 Chg live 75+: R/LfTab ratio	Cont
4	R4LIV75C	R4LIV75C:W4 Chg live 75+: R/LfTab ratio	Cont
5	R5LIV75C	R5LIV75C:W5 Chg live 75+: R/LfTab ratio	Cont
6	R6LIV75C	R6LIV75C:W6 Chg live 75+: R/LfTab ratio	Cont
7	R7LIV75C	R7LIV75C:W7 Chg live 75+: R/LfTab ratio	Cont
8	R8LIV75C	R8LIV75C:W8 Chg live 75+: R/LfTab ratio	Cont
9	R9LIV75C	R9LIV75C:W9 Chg live 75+: R/LfTab ratio	Cont
10	R10LIV75C	R10LIV75C:W10 Chg live 75+: R/LfTab ratio	Cont
11	R11LIV75C	R11LIV75C:W11 Chg live 75+: R/LfTab ratio	Cont
12	R12LIV75C	R12LIV75C:W12 Chg live 75+: R/LfTab ratio	Cont
13	R13LIV75C	R13LIV75C:W13 Chg live 75+: R/LfTab ratio	Cont
14	R14LIV75C	R14LIV75C:W14 Chg live 75+: R/LfTab ratio	Cont
15	R15LIV75C	R15LIV75C:W15 Chg live 75+: R/LfTab ratio	Cont
16	R16LIV75C	R16LIV75C:W16 Chg live 75+: R/LfTab ratio	Cont
2	S2LIV75C	S2LIV75C:W2 Chg live 75+: R/LfTab ratio	Cont
3	S3LIV75C	S3LIV75C:W3 Chg live 75+: R/LfTab ratio	Cont
4	S4LIV75C	S4LIV75C:W4 Chg live 75+: R/LfTab ratio	Cont
5	S5LIV75C	S5LIV75C:W5 Chg live 75+: R/LfTab ratio	Cont
6	S6LIV75C	S6LIV75C:W6 Chg live 75+: R/LfTab ratio	Cont
7	S7LIV75C	S7LIV75C:W7 Chg live 75+: R/LfTab ratio	Cont
8	S8LIV75C	S8LIV75C:W8 Chg live 75+: R/LfTab ratio	Cont
9	S9LIV75C	S9LIV75C:W9 Chg live 75+: R/LfTab ratio	Cont
10	S10LIV75C	S10LIV75C:W10 Chg live 75+: R/LfTab ratio	Cont
11	S11LIV75C	S11LIV75C:W11 Chg live 75+: R/LfTab ratio	Cont
12	S12LIV75C	S12LIV75C:W12 Chg live 75+: R/LfTab ratio	Cont
13	S13LIV75C	S13LIV75C:W13 Chg live 75+: R/LfTab ratio	Cont
14	S14LIV75C	S14LIV75C:W14 Chg live 75+: R/LfTab ratio	Cont
15	S15LIV75C	S15LIV75C:W15 Chg live 75+: R/LfTab ratio	Cont
16	S16LIV75C	S16LIV75C:W16 Chg live 75+: R/LfTab ratio	Cont
2	R2LIV85C	R2LIV85C:W2 Chg live 85+: R/LfTab ratio	Cont
3	R3LIV85C	R3LIV85C:W3 Chg live 85+: R/LfTab ratio	Cont
4	R4LIV85C	R4LIV85C:W4 Chg live 85+: R/LfTab ratio	Cont
2	S2LIV85C	S2LIV85C:W2 Chg live 85+: R/LfTab ratio	Cont
3	S3LIV85C	S3LIV85C:W3 Chg live 85+: R/LfTab ratio	Cont
4	S4LIV85C	S4LIV85C:W4 Chg live 85+: R/LfTab ratio	Cont
2	R2LIV8XC	R2LIV8XC:W2 Chg live 80-100: R/LfTab ratio	Cont
3	R3LIV8XC	R3LIV8XC:W3 Chg live 80-100: R/LfTab ratio	Cont
4	R4LIV8XC	R4LIV8XC:W4 Chg live 80-100: R/LfTab ratio	Cont
5	R5LIV8XC	R5LIV8XC:W5 Chg live 80-100: R/LfTab ratio	Cont
6	R6LIV8XC	R6LIV8XC:W6 Chg live 80-100: R/LfTab ratio	Cont
7	R7LIV8XC	R7LIV8XC:W7 Chg live 80-100: R/LfTab ratio	Cont
8	R8LIV8XC	R8LIV8XC:W8 Chg live 80-100: R/LfTab ratio	Cont
9	R9LIV8XC	R9LIV8XC:W9 Chg live 80-100: R/LfTab ratio	Cont
10	R10LIV8XC	R10LIV8XC:W10 Chg live 80-100: R/LfTab ratio	Cont
11	R11LIV8XC	R11LIV8XC:W11 Chg live 80-100: R/LfTab ratio	Cont
12	R12LIV8XC	R12LIV8XC:W12 Chg live 80-100: R/LfTab ratio	Cont
13	R13LIV8XC	R13LIV8XC:W13 Chg live 80-100: R/LfTab ratio	Cont
14	R14LIV8XC	R14LIV8XC:W14 Chg live 80-100: R/LfTab ratio	Cont
15	R15LIV8XC	R15LIV8XC:W15 Chg live 80-100: R/LfTab ratio	Cont
16	R16LIV8XC	R16LIV8XC:W16 Chg live 80-100: R/LfTab ratio	Cont
2	S2LIV8XC	S2LIV8XC:W2 Chg live 80-100: R/LfTab ratio	Cont
3	S3LIV8XC	S3LIV8XC:W3 Chg live 80-100: R/LfTab ratio	Cont
4	S4LIV8XC	S4LIV8XC:W4 Chg live 80-100: R/LfTab ratio	Cont
5	S5LIV8XC	S5LIV8XC:W5 Chg live 80-100: R/LfTab ratio	Cont
6	S6LIV8XC	S6LIV8XC:W6 Chg live 80-100: R/LfTab ratio	Cont
7	S7LIV8XC	S7LIV8XC:W7 Chg live 80-100: R/LfTab ratio	Cont
8	S8LIV8XC	S8LIV8XC:W8 Chg live 80-100: R/LfTab ratio	Cont
9	S9LIV8XC	S9LIV8XC:W9 Chg live 80-100: R/LfTab ratio	Cont
10	S10LIV8XC	S10LIV8XC:W10 Chg live 80-100: R/LfTab ratio	Cont
11	S11LIV8XC	S11LIV8XC:W11 Chg live 80-100: R/LfTab ratio	Cont

12	S12LIV8XC	S12LIV8XC:W12 Chg live 80-100: R/LfTab ratio	Cont
13	S13LIV8XC	S13LIV8XC:W13 Chg live 80-100: R/LfTab ratio	Cont
14	S14LIV8XC	S14LIV8XC:W14 Chg live 80-100: R/LfTab ratio	Cont
15	S15LIV8XC	S15LIV8XC:W15 Chg live 80-100: R/LfTab ratio	Cont
16	S16LIV8XC	S16LIV8XC:W16 Chg live 80-100: R/LfTab ratio	Cont
2	R2LIV75F	R2LIV75F:W2 Flag LIV75C, # prv iw	Categ
3	R3LIV75F	R3LIV75F:W3 Flag LIV75C, # prv iw	Categ
4	R4LIV75F	R4LIV75F:W4 Flag LIV75C, # prv iw	Categ
5	R5LIV75F	R5LIV75F:W5 Flag LIV75C, # prv iw	Categ
6	R6LIV75F	R6LIV75F:W6 Flag LIV75C, # prv iw	Categ
7	R7LIV75F	R7LIV75F:W7 Flag LIV75C, # prv iw	Categ
8	R8LIV75F	R8LIV75F:W8 Flag LIV75C, # prv iw	Categ
9	R9LIV75F	R9LIV75F:W9 Flag LIV75C, # prv iw	Categ
10	R10LIV75F	R10LIV75F:W10 Flag LIV75C, # prv iw	Categ
11	R11LIV75F	R11LIV75F:W11 Flag LIV75C, # prv iw	Categ
12	R12LIV75F	R12LIV75F:W12 Flag LIV75C, # prv iw	Categ
13	R13LIV75F	R13LIV75F:W13 Flag LIV75C, # prv iw	Categ
14	R14LIV75F	R14LIV75F:W14 Flag LIV75C, # prv iw	Categ
15	R15LIV75F	R15LIV75F:W15 Flag LIV75C, # prv iw	Categ
16	R16LIV75F	R16LIV75F:W16 Flag LIV75C, # prv iw	Categ
2	S2LIV75F	S2LIV75F:W2 Flag LIV75C, # prv iw	Categ
3	S3LIV75F	S3LIV75F:W3 Flag LIV75C, # prv iw	Categ
4	S4LIV75F	S4LIV75F:W4 Flag LIV75C, # prv iw	Categ
5	S5LIV75F	S5LIV75F:W5 Flag LIV75C, # prv iw	Categ
6	S6LIV75F	S6LIV75F:W6 Flag LIV75C, # prv iw	Categ
7	S7LIV75F	S7LIV75F:W7 Flag LIV75C, # prv iw	Categ
8	S8LIV75F	S8LIV75F:W8 Flag LIV75C, # prv iw	Categ
9	S9LIV75F	S9LIV75F:W9 Flag LIV75C, # prv iw	Categ
10	S10LIV75F	S10LIV75F:W10 Flag LIV75C, # prv iw	Categ
11	S11LIV75F	S11LIV75F:W11 Flag LIV75C, # prv iw	Categ
12	S12LIV75F	S12LIV75F:W12 Flag LIV75C, # prv iw	Categ
13	S13LIV75F	S13LIV75F:W13 Flag LIV75C, # prv iw	Categ
14	S14LIV75F	S14LIV75F:W14 Flag LIV75C, # prv iw	Categ
15	S15LIV75F	S15LIV75F:W15 Flag LIV75C, # prv iw	Categ
16	S16LIV75F	S16LIV75F:W16 Flag LIV75C, # prv iw	Categ
2	R2LIV85F	R2LIV85F:W2 Flag LIV85C, # prv iw	Categ
3	R3LIV85F	R3LIV85F:W3 Flag LIV85C, # prv iw	Categ
4	R4LIV85F	R4LIV85F:W4 Flag LIV85C, # prv iw	Categ
2	S2LIV85F	S2LIV85F:W2 Flag LIV85C, # prv iw	Categ
3	S3LIV85F	S3LIV85F:W3 Flag LIV85C, # prv iw	Categ
4	S4LIV85F	S4LIV85F:W4 Flag LIV85C, # prv iw	Categ
2	R2LIV8XF	R2LIV8XF:W2 Flag LIV8XC, # prv iw	Categ
3	R3LIV8XF	R3LIV8XF:W3 Flag LIV8XC, # prv iw	Categ
4	R4LIV8XF	R4LIV8XF:W4 Flag LIV8XC, # prv iw	Categ
5	R5LIV8XF	R5LIV8XF:W5 Flag LIV8XC, # prv iw	Categ
6	R6LIV8XF	R6LIV8XF:W6 Flag LIV8XC, # prv iw	Categ
7	R7LIV8XF	R7LIV8XF:W7 Flag LIV8XC, # prv iw	Categ
8	R8LIV8XF	R8LIV8XF:W8 Flag LIV8XC, # prv iw	Categ
9	R9LIV8XF	R9LIV8XF:W9 Flag LIV8XC, # prv iw	Categ
10	R10LIV8XF	R10LIV8XF:W10 Flag LIV8XC, # prv iw	Categ
11	R11LIV8XF	R11LIV8XF:W11 Flag LIV8XC, # prv iw	Categ
12	R12LIV8XF	R12LIV8XF:W12 Flag LIV8XC, # prv iw	Categ
13	R13LIV8XF	R13LIV8XF:W13 Flag LIV8XC, # prv iw	Categ
14	R14LIV8XF	R14LIV8XF:W14 Flag LIV8XC, # prv iw	Categ
15	R15LIV8XF	R15LIV8XF:W15 Flag LIV8XC, # prv iw	Categ
16	R16LIV8XF	R16LIV8XF:W16 Flag LIV8XC, # prv iw	Categ
2	S2LIV8XF	S2LIV8XF:W2 Flag LIV8XC, # prv iw	Categ
3	S3LIV8XF	S3LIV8XF:W3 Flag LIV8XC, # prv iw	Categ
4	S4LIV8XF	S4LIV8XF:W4 Flag LIV8XC, # prv iw	Categ
5	S5LIV8XF	S5LIV8XF:W5 Flag LIV8XC, # prv iw	Categ
6	S6LIV8XF	S6LIV8XF:W6 Flag LIV8XC, # prv iw	Categ
7	S7LIV8XF	S7LIV8XF:W7 Flag LIV8XC, # prv iw	Categ
8	S8LIV8XF	S8LIV8XF:W8 Flag LIV8XC, # prv iw	Categ
9	S9LIV8XF	S9LIV8XF:W9 Flag LIV8XC, # prv iw	Categ
10	S10LIV8XF	S10LIV8XF:W10 Flag LIV8XC, # prv iw	Categ
11	S11LIV8XF	S11LIV8XF:W11 Flag LIV8XC, # prv iw	Categ

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12    S12LIV8XF           S12LIV8XF:W12 Flag LIV8XC, # prv iw                          Categ
13    S13LIV8XF           S13LIV8XF:W13 Flag LIV8XC, # prv iw                          Categ
14    S14LIV8XF           S14LIV8XF:W14 Flag LIV8XC, # prv iw                          Categ
15    S15LIV8XF           S15LIV8XF:W15 Flag LIV8XC, # prv iw                          Categ
16    S16LIV8XF           S16LIV8XF:W16 Flag LIV8XC, # prv iw                          Categ
```

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2LIV75C	9483	-0.04	0.41	-1.7	1.7
R3LIV75C	8252	-0.01	0.40	-1.7	1.6
R4LIV75C	6679	-0.03	0.39	-1.6	1.6
R5LIV75C	7595	-0.01	0.36	-1.6	1.5
R6LIV75C	6336	-0.04	0.34	-1.5	1.5
R7LIV75C	5291	-0.04	0.34	-1.6	1.5
R8LIV75C	5979	-0.04	0.36	-1.5	1.5
R9LIV75C	4968	0.01	0.35	-1.6	1.6
R10LIV75C	4192	-0.06	0.35	-1.5	1.5
R11LIV75C	8374	-0.04	0.37	-1.5	1.5
R12LIV75C	7414	-0.01	0.36	-1.4	1.4
R13LIV75C	5824	-0.00	0.37	-1.5	1.4
R14LIV75C	7304	-0.02	0.37	-1.5	1.4
R15LIV75C	5955	0.01	0.38	-1.4	1.5
R16LIV75C	4278	-0.02	0.40	-1.5	1.5
S2LIV75C	7152	-0.04	0.40	-1.7	1.7
S3LIV75C	6075	0.00	0.40	-1.7	1.6
S4LIV75C	4900	-0.04	0.38	-1.6	1.5
S5LIV75C	5651	-0.01	0.36	-1.6	1.5
S6LIV75C	4699	-0.04	0.34	-1.5	1.5
S7LIV75C	3889	-0.04	0.33	-1.6	1.5
S8LIV75C	4363	-0.04	0.34	-1.5	1.5
S9LIV75C	3539	0.01	0.34	-1.6	1.6
S10LIV75C	2939	-0.06	0.33	-1.5	1.4
S11LIV75C	5454	-0.04	0.35	-1.5	1.5
S12LIV75C	4754	-0.01	0.35	-1.4	1.4
S13LIV75C	3712	0.00	0.36	-1.5	1.4
S14LIV75C	4193	-0.01	0.36	-1.4	1.4
S15LIV75C	3398	0.02	0.37	-1.4	1.5
S16LIV75C	2255	-0.02	0.39	-1.5	1.5
R2LIV85C	9886	-0.07	0.86	-3.8	3.7
R3LIV85C	8981	0.02	0.83	-3.7	3.6
R4LIV85C	6564	-0.08	0.78	-3.6	3.4
S2LIV85C	7546	-0.08	0.86	-3.8	3.7
S3LIV85C	6774	0.03	0.82	-3.7	3.6
S4LIV85C	4827	-0.10	0.78	-3.6	3.4
R2LIV8XC	89	0.19	1.29	-1.6	7.6
R3LIV8XC	4728	0.04	2.58	-31.8	37.8
R4LIV8XC	50	-0.03	0.64	-1.5	1.3
R5LIV8XC	8202	-0.24	0.75	-3.8	14.3
R6LIV8XC	13088	-0.01	1.44	-31.6	21.9
R7LIV8XC	12570	0.02	1.33	-19.9	20.4
R8LIV8XC	14315	0.23	1.63	-15.1	32.5

R9LIV8XC	13345	0.20	2.11	-27.1	37.5
R10LIV8XC	12329	-0.01	1.97	-34.5	28.5
R11LIV8XC	16578	0.08	1.74	-28.5	31.7
R12LIV8XC	15525	0.05	1.69	-29.4	26.0
R13LIV8XC	13737	0.14	1.85	-23.9	27.8
R14LIV8XC	14518	0.09	1.67	-26.7	35.0
R15LIV8XC	13108	0.41	2.56	-16.7	48.3
R16LIV8XC	11018	0.17	2.87	-46.2	38.2
S2LIV8XC	86	0.19	1.30	-1.6	7.6
S3LIV8XC	2641	-0.00	2.42	-31.8	37.3
S4LIV8XC	38	-0.06	0.67	-1.5	1.2
S5LIV8XC	6069	-0.25	0.74	-3.8	13.1
S6LIV8XC	8741	-0.00	1.23	-31.6	18.1
S7LIV8XC	8271	-0.00	1.13	-19.8	20.4
S8LIV8XC	9392	0.21	1.41	-9.7	32.5
S9LIV8XC	8600	0.15	1.93	-27.1	34.5
S10LIV8XC	7816	-0.03	1.81	-34.5	28.1
S11LIV8XC	10340	0.06	1.64	-28.5	31.7
S12LIV8XC	9408	0.05	1.50	-29.4	24.8
S13LIV8XC	8087	0.11	1.62	-22.3	27.8
S14LIV8XC	8093	0.06	1.47	-26.7	32.1
S15LIV8XC	7238	0.36	2.50	-14.0	48.3
S16LIV8XC	5768	0.17	2.94	-46.2	35.8
R2LIV75F	9483	0.00	0.00	0.0	0.0
R3LIV75F	8252	0.03	0.16	0.0	1.0
R4LIV75F	6679	0.04	0.23	0.0	2.0
R5LIV75F	7595	0.03	0.22	0.0	3.0
R6LIV75F	6336	0.06	0.34	0.0	4.0
R7LIV75F	5291	0.04	0.32	0.0	5.0
R8LIV75F	5979	0.02	0.21	0.0	6.0
R9LIV75F	4968	0.03	0.20	0.0	5.0
R10LIV75F	4192	0.06	0.33	0.0	5.0
R11LIV75F	8374	0.02	0.22	0.0	7.0
R12LIV75F	7414	0.03	0.21	0.0	4.0
R13LIV75F	5824	0.03	0.22	0.0	6.0
R14LIV75F	7304	0.02	0.21	0.0	5.0
R15LIV75F	5955	0.10	0.34	0.0	4.0
R16LIV75F	4278	0.10	0.38	0.0	4.0
S2LIV75F	7152	0.00	0.00	0.0	0.0
S3LIV75F	6075	0.02	0.15	0.0	1.0
S4LIV75F	4900	0.03	0.21	0.0	2.0
S5LIV75F	5651	0.02	0.17	0.0	3.0
S6LIV75F	4699	0.05	0.30	0.0	4.0
S7LIV75F	3889	0.03	0.31	0.0	5.0
S8LIV75F	4363	0.02	0.19	0.0	6.0
S9LIV75F	3539	0.02	0.17	0.0	5.0
S10LIV75F	2939	0.04	0.26	0.0	4.0
S11LIV75F	5454	0.02	0.21	0.0	4.0
S12LIV75F	4754	0.02	0.18	0.0	4.0
S13LIV75F	3712	0.02	0.18	0.0	5.0
S14LIV75F	4193	0.02	0.16	0.0	5.0
S15LIV75F	3398	0.08	0.31	0.0	3.0
S16LIV75F	2255	0.06	0.30	0.0	3.0
R2LIV85F	9886	0.00	0.00	0.0	0.0
R3LIV85F	8981	0.03	0.16	0.0	1.0

R4LIV85F	6564	0.04	0.23	0.0	2.0
S2LIV85F	7546	0.00	0.00	0.0	0.0
S3LIV85F	6774	0.02	0.14	0.0	1.0
S4LIV85F	4827	0.03	0.20	0.0	2.0
R2LIV8XF	89	0.00	0.00	0.0	0.0
R3LIV8XF	4728	0.00	0.01	0.0	1.0
R4LIV8XF	50	0.04	0.20	0.0	1.0
R5LIV8XF	8202	0.04	0.27	0.0	3.0
R6LIV8XF	13088	0.04	0.29	0.0	4.0
R7LIV8XF	12570	0.04	0.29	0.0	5.0
R8LIV8XF	14315	0.03	0.23	0.0	6.0
R9LIV8XF	13345	0.04	0.28	0.0	7.0
R10LIV8XF	12329	0.05	0.37	0.0	8.0
R11LIV8XF	16578	0.03	0.27	0.0	8.0
R12LIV8XF	15525	0.03	0.25	0.0	8.0
R13LIV8XF	13737	0.03	0.21	0.0	7.0
R14LIV8XF	14518	0.02	0.21	0.0	6.0
R15LIV8XF	13108	0.09	0.34	0.0	7.0
R16LIV8XF	11018	0.09	0.40	0.0	9.0
S2LIV8XF	86	0.00	0.00	0.0	0.0
S3LIV8XF	2641	0.00	0.02	0.0	1.0
S4LIV8XF	38	0.05	0.23	0.0	1.0
S5LIV8XF	6069	0.03	0.22	0.0	3.0
S6LIV8XF	8741	0.03	0.26	0.0	4.0
S7LIV8XF	8271	0.03	0.29	0.0	5.0
S8LIV8XF	9392	0.02	0.19	0.0	6.0
S9LIV8XF	8600	0.02	0.22	0.0	7.0
S10LIV8XF	7816	0.04	0.35	0.0	8.0
S11LIV8XF	10340	0.02	0.23	0.0	5.0
S12LIV8XF	9408	0.02	0.19	0.0	6.0
S13LIV8XF	8087	0.02	0.17	0.0	5.0
S14LIV8XF	8093	0.02	0.17	0.0	5.0
S15LIV8XF	7238	0.07	0.30	0.0	7.0
S16LIV8XF	5768	0.06	0.34	0.0	6.0

Categorical Variable Codes

RwLIV75F: Flag LIV75C, # prv iw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing		1937	2712	14553	11983	11829	14838	12490	12249	17842
.Q=Not applicable this wv		8222	7027	152						
0.Used IW-1		9483	8024	6496	7463	6095	5163	5899	4837	4044
1.Used IW-2			228	120	82	172	79	48	118	84
2.Used IW-3				63	33	30	22	23	10	52
3.Used IW-4					17	23	14	6	2	6
4.Used IW-5						16	7	1		4
5.Used IW-6							6	1	1	2
6.Used IW-7								1		
7.Used IW-8										

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	12180	11333	15088	9842	9768	11509
.Q=Not applicable this wv						
0.Used IW-1	8273	7242	5660	7175	5459	3972
1.Used IW-2	48	147	139	93	436	209
2.Used IW-3	30	15	22	24	46	87
3.Used IW-4	21	6	1	11	12	8
4.Used IW-5	1	4			2	2
5.Used IW-6			1	1		
6.Used IW-7			1			
7.Used IW-8	1					

SwLIV75F: Flag LIV75C, # prv iw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing		1589	2233	9027	7079	6940	9083	7372	7107	10574
.Q=Not applicable this wv		4549	3704	53						
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		384	322	536	311	220	380	317	365	724
0.Used IW-1		7152	5938	4792	5584	4553	3821	4312	3478	2857
1.Used IW-2			137	73	43	107	37	30	54	50
2.Used IW-3				35	19	18	13	16	6	28
3.Used IW-4					5	13	7	4		3
4.Used IW-5						8	6			1
5.Used IW-6							5		1	
6.Used IW-7								1		

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	7030	6258	8067	5165	5079	5585
.Q=Not applicable this wv						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Used IW-1	5391	4675	3634	4135	3171	2145
1.Used IW-2	29	65	71	46	199	81
2.Used IW-3	18	9	6	11	21	26
3.Used IW-4	15	3			7	3
4.Used IW-5	1	2				
5.Used IW-6			1	1		
6.Used IW-7						

RwLIV85F: Flag LIV85C, # prv iw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing		1534	1983	8869						
.Q=Not applicable this wv		8222	7027	5951						
0.Used IW-1		9886	8745	6384						
1.Used IW-2			236	122						
2.Used IW-3				58						

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing						
.Q=Not applicable this wv						
0.Used IW-1						
1.Used IW-2						
2.Used IW-3						

SwLIV85F: Flag LIV85C, # prv iw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing		1195	1534	6353						
.Q=Not applicable this wv		4549	3704	2800						
.U=Unmarried		5968	5657	6868						
.V=Spouse NR		384	322	536						
0.Used IW-1		7546	6629	4721						
1.Used IW-2			145	75						
2.Used IW-3				31						

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing						
.Q=Not applicable this wv						
.U=Unmarried						
.V=Spouse NR						
0.Used IW-1						
1.Used IW-2						
2.Used IW-3						

RwLIV8XF: Flag LIV8XC, # prv iw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing		8133	2299	5901	11376	5077	7559	4154	3872	9705
.Q=Not applicable this wv		11420	10964	15433						
0.Used IW-1		89	4727	48	7975	12758	12306	14086	13024	11998
1.Used IW-2			1	2	141	210	170	139	229	172
2.Used IW-3					62	64	38	67	47	86
3.Used IW-4					24	36	29	10	32	36
4.Used IW-5						20	18	7	5	19
5.Used IW-6							9	4	3	11
6.Used IW-7								2	3	4
7.Used IW-8									2	1
8.Used IW-9										2
9.Used IW-10										

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	3976	3222	7175	2628	2615	4769
.Q=Not applicable this wv						
0.Used IW-1	16313	15222	13441	14266	12169	10389
1.Used IW-2	154	228	244	184	795	397
2.Used IW-3	54	41	41	48	112	179
3.Used IW-4	39	18	6	14	25	35
4.Used IW-5	9	9		4	5	12
5.Used IW-6	3	2	2	1	1	3
6.Used IW-7	1	4	2	1		2
7.Used IW-8	2		1		1	
8.Used IW-9	3	1				
9.Used IW-10						1

SwLIV8XF: Flag LIV8XC, # prv iw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing		4263	968	2762	6661	2898	4701	2343	2046	5697
.Q=Not applicable this wv		9125	8630	11180						
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	95	536	311	220	380	317	365	724
0.Used IW-1		86	2640	36	5949	8549	8137	9283	8452	7639
1.Used IW-2			1	2	75	128	80	66	114	91
2.Used IW-3					36	34	20	35	20	47
3.Used IW-4					9	21	13	6	7	18
4.Used IW-5						9	13		3	12
5.Used IW-6							8		3	4
6.Used IW-7								2		3
7.Used IW-8									1	
8.Used IW-9										2

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	2144	1604	3692	1265	1239	2072
.Q=Not applicable this wv						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Used IW-1	10192	9279	7963	7985	6829	5520
1.Used IW-2	90	96	105	85	347	163
2.Used IW-3	26	19	15	19	48	62
3.Used IW-4	24	8	2		13	17
4.Used IW-5	7	5		3		3
5.Used IW-6	1		2	1		2
6.Used IW-7		1				1

7.Used IW-8		1
8.Used IW-9		

General Comments

Questions about probability of living to a given age vary between the AHEAD and HRS entry cohorts in Waves 2 and 3, due to the difference in the age of the Respondents. Thus AHEAD Respondents are not asked about living to age 75, since most of them are close to or past that age at the first interview. So for the AHEAD entry cohort in Waves 2A and 3A, RwLIV75 and related variables (RwLIV75R, RwLIV75C, and RwLIV75F) are set to .Q to indicate that the information is not available. If an AHEAD Respondent is 75 or younger, RwLIV75P is set for them; if older than 75, RwLIV75P is set to 100.

In Waves 1, 2H, 3H, and 4 questions ask the Respondent the probability of living to age 85. In Wave 4, few of the AHEAD Respondents are young enough to be asked this question. To accommodate older Respondents, in Waves 2A, 3A, and from Wave 5 forward the question does not always ask the probability of living to age 85, but asks the probability of living to an age from 80 to 100, depending on the Respondent's age. From Wave 5 on, the wording depends on the Respondent's age at the interview. In Waves 2A and 3A, the wording depends on birth year and is the same in both waves, even though Respondents are usually two years older in Wave 3A. So the age used to determine question wording, in these waves, is age in 1993.

These two different versions of the variables are named differently to alert the user to the inconsistencies in the questions. The Wave 1, 2H, 3H, and 4 variables are named RwLIV85, RwLIV85P, and RwLIV85R, while the Wave 2A, 3A, and from Wave 5 forward variables are named RwLIV10 (for 10 or so more years), RwLIV10P, and RwLIV10R. Changes in these probabilities from those given in a previous wave are used to measure change in health status in variables RwLIV75C, RwLIV85C, and R2LIV8XC. If the change uses RwLIV10R in the current or previous wave, then it is assigned to RwLIV8XC. If it uses RwLIV85R in both waves, it is assigned to RwLIV85C.

For AHEAD Respondents in Waves 2 and 3 (2A and 3A), RwLIV85, RwLIV85P, RwLIV85R, RwLIV85C, and RwLIV85F are set to .Q to indicate that this information is unavailable for this cohort in these waves. In addition R4LIV85C and R4LIV85F are set to .Q for these cases, since the information is not available from a prior wave.

For HRS Respondents in Waves 2 and 3 (2H and 3H), RwLIV10, RwLIV10P, RwLIV10R, RwLIV8XC, and RwLIV8XF are set to .Q to indicate that these are inapplicable or unavailable for this cohort in these waves. In addition R4LIV8XC and R4LIV8XF are set to .Q for these cases, since the prior wave information is completely based on RwLIV85 information.

How Constructed

The change in health measures were chosen for their consistency across waves. They include measures of overall health, functional limitation summaries, doctor-diagnosed health conditions, and assessment of mortality measures.

They are calculated as the current wave less the previous interview measures. If Respondent missed an interview due to non-response, the change is between the current and the last interview that Respondent did respond to. A flag for each change variable indicates how many interviews were missed prior to the current.

For further discussion of the Change in Health variables see the section titled "Health Change" in the introductory section of this document.

RwLIV75C, RwLIV85C, and RwLIV8XC measure changes in the Respondent's self-reported probability of living to age 75, 85, and an age from 80 to 100, respectively, relative to the probabilities implied by Vital Statistics life tables.

At all waves except Waves 2A and 3A, questions ask the Respondent the probability of living to age 75. In Waves 1, 2H, 3H, and 4, questions also ask the Respondent the probability of living to age 85. For Wave 2A, 3A and from Wave 5 forward the question asks the self-reported probability of living about another 10 years, and the name of the variables (RwLIV10) reflects

this change. For Respondents who are under 70 years old at the particular wave, RwLIV10 is the self-reported probability of living to age 80; for those 70 to 74, it is the probability of living to age 85; and so on. In Wave 8, the target age for those under 65 years old is 85.

Based on the Respondent's age and gender, a standard probability of living to 75 and 85, or, in Waves 2A, 3A, and from Wave 5 on, the target age in the question, is derived from the Vital Statistics life tables. RwLIV75R, RwLIV85R (for waves 1, 2H, 3H, and 4) and RwLIV10R (for Waves 2A, 3A, and 5) are the ratios between the self-reported and standard probability, and are derived as the self-report divided by the standard. The change variables are RwLIV75C, RwLIV85C, and RwLIV8XC. RwLIV85C is used when the change is measured between two RwLIV85R variables, and RwLIV8XC is used when the change measure uses any RwLIV10R variable in its derivation. The variables are derived as:

RwLIV75C = RwLIV75R - RpLIV75R

RwLIV85C = RwLIV85R - RpLIV85R, when both w and p are Wave 1, 2H, 3H, or 4

RwLIV8XC = RwLIV10R - RpLIV85R, when w is Wave 2A, 3A, or 5 and p is Wave 1, 2H, 3H, or 4

RwLIV8XC = RwLIV10R - RpLIV10R, when both w and p are Wave 2A, 3A or 5

RwLIV8XC = RwLIV85R - RpLIV10R, when w is Wave 4 and p is Wave 2A or 3A

where "w" means current wave and "p" means the previous interview. For example, if an individual responded to Waves 2H and 3H, R3LIV75C = R3LIV75R - R2LIV75R. Because of the wording difference in Waves 2A, 3A, and 5, the change measure RwLIV8XC is not very consistent and perhaps not useful.

Not all individuals respond to every interview. Respondents may miss one or more interviews between those they complete. RwLIV75F, RwLIV85F, and RwLIV8XF indicate if there are any missed interviews prior to the current, and if so, how many. In other words, they indicate how far back the previous interview is, from which the change is measured. Their codes are: 0) did not miss the previous interview; change = current - [current-1]; 1) missed the previous interview, but only one; change = current - [current-2]; 2) missed the two previous interviews; change = current - [current-3]; 3) missed the three previous interviews; change = current - [current-4], and so on. If either the current or previous interview measure is missing, change is missing and the flag is set to .M.

For AHEAD entry cohort Respondents in Waves 2 and 3 (2A and 3A), RwLIV75C, RwLIV75F, RwLIV85C, and RwLIV85F are set to .Q to indicate that the information is not available for these Respondents. R4LIV75C, R4LIV75F, R4LIV85C, and R4LIV85F are also set to .Q, since there is no prior wave RwLIV85R available to derive these in Wave 4.

For HRS entry cohort Respondents in Waves 2 and 3 (2H and 3H), RwLIV8XC and RwLIV8XF are set to .Q to indicate that the information is not applicable for these Respondents. R4LIV8XC and R4LIV8XF are also set to .Q, since for these Respondents no prior wave RwLIV10R variable is available. RwLIV85C and RwLIV85F variables are available instead.

SwLIV75C, SwLIV85C, SwLIV75F, SwLIV85F, and SwLIV8XF are this information for the Respondent's spouse or partner. The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3LIV75C is taken from the Wave 3 spouse's R3LIV75C.

Please see the section on "Self-reported probability of living to age 75" and "Self-reported probability of living to age 85" for a description of the variables from which this change variable is derived.

Cross Wave Differences in Original HRS Data

Please see the documentation of the variables used to derive these change-in-health variables for a description of cross-wave differences in the raw HRS data.

Categorical risk aversion: based on the set of "income gamble" questions

Wave	Variable	Label	Type
1	R1RISK	R1RISK:W1 R Income Risk Aversion	Categ
4	R4RISK	R4RISK:W4 R Income Risk Aversion	Categ
5	R5RISK	R5RISK:W5 R Income Risk Aversion	Categ
6	R6RISK	R6RISK:W6 R Income Risk Aversion	Categ
7	R7RISK	R7RISK:W7 R Income Risk Aversion	Categ
8	R8RISK	R8RISK:W8 R Income Risk Aversion	Categ
1	S1RISK	S1RISK:W1 S Income Risk Aversion	Categ
4	S4RISK	S4RISK:W4 S Income Risk Aversion	Categ
5	S5RISK	S5RISK:W5 S Income Risk Aversion	Categ
6	S6RISK	S6RISK:W6 S Income Risk Aversion	Categ
7	S7RISK	S7RISK:W7 S Income Risk Aversion	Categ
8	S8RISK	S8RISK:W8 S Income Risk Aversion	Categ
4	R4RISK6	R4RISK6:W4 R Income Risk Avers/6-categ	Categ
5	R5RISK6	R5RISK6:W5 R Income Risk Avers/6-categ	Categ
6	R6RISK6	R6RISK6:W6 R Income Risk Avers/6-categ	Categ
7	R7RISK6	R7RISK6:W7 R Income Risk Avers/6-categ	Categ
8	R8RISK6	R8RISK6:W8 R Income Risk Avers/6-categ	Categ
4	S4RISK6	S4RISK6:W4 S Income Risk Avers/6-categ	Categ
5	S5RISK6	S5RISK6:W5 S Income Risk Avers/6-categ	Categ
6	S6RISK6	S6RISK6:W6 S Income Risk Avers/6-categ	Categ
7	S7RISK6	S7RISK6:W7 S Income Risk Avers/6-categ	Categ
8	S8RISK6	S8RISK6:W8 S Income Risk Avers/6-categ	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RISK	11707	3.28	1.09	1.0	4.0
R4RISK	5149	3.25	1.09	1.0	4.0
R5RISK	1375	3.31	1.07	1.0	4.0
R6RISK	6141	3.29	1.06	1.0	4.0
R7RISK	2974	3.28	1.05	1.0	4.0
R8RISK	6443	3.32	1.04	1.0	4.0
S1RISK	9086	3.29	1.08	1.0	4.0
S4RISK	3599	3.26	1.08	1.0	4.0
S5RISK	865	3.31	1.05	1.0	4.0
S6RISK	4580	3.27	1.07	1.0	4.0
S7RISK	2070	3.30	1.04	1.0	4.0
S8RISK	4734	3.34	1.02	1.0	4.0
R4RISK6	5117	4.64	1.59	1.0	6.0
R5RISK6	1359	4.73	1.54	1.0	6.0
R6RISK6	6093	4.66	1.54	1.0	6.0
R7RISK6	2956	4.64	1.51	1.0	6.0
R8RISK6	6414	4.70	1.48	1.0	6.0
S4RISK6	3582	4.64	1.55	1.0	6.0
S5RISK6	859	4.71	1.51	1.0	6.0
S6RISK6	4546	4.63	1.54	1.0	6.0
S7RISK6	2058	4.66	1.49	1.0	6.0
S8RISK6	4712	4.72	1.45	1.0	6.0

Categorical Variable Codes

RwRISK: R Income Risk Aversion

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+,not asked						9467		10384		
.B=Skip, not selected				8631	15926					
.C=Cohort skipped				4984			15198			
.D=DK	109			304	144	360	96	297		
.M=Oth missing	194			123	3	24	15	24		
.R=RF				150	68	137	44	61		
.S=Skip,proxy IW	642			2043	2062	2036	1802	1260		
1.Least risk averse	1503			705	171	752	361	713		
2.3rd most risk averse	1279			483	122	590	271	628		
3.2nd most risk averse	1358			773	196	954	519	980		
4.Most risk averse	7567			3188	886	3845	1823	4122		

Value	w11	w12	w13	w14	w15	w16
.A=65+,not asked						
.B=Skip, not selected						
.C=Cohort skipped						
.D=DK						
.M=Oth missing						
.R=RF						
.S=Skip,proxy IW						
1.Least risk averse						
2.3rd most risk averse						
3.2nd most risk averse						
4.Most risk averse						

SwRISK: S Income Risk Aversion

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+,not asked						5368		5952		
.B=Skip, not selected				6308	10358					
.C=Cohort skipped				2365			9616			
.D=DK	77			148	59	233	57	201		
.M=Oth missing	126			76		13	3	13		
.R=RF				77	38	86	23	43		
.S=Skip,proxy IW	611			1407	1410	1359	1203	792		
.U=Unmarried	2373			6868	6537	6306	6777	6417		
.V=Spouse NR	379			536	311	220	380	317		
1.Least risk averse	1128			475	106	564	242	497		
2.3rd most risk averse	988			337	69	464	172	455		
3.2nd most risk averse	1088			577	139	733	376	741		
4.Most risk averse	5882			2210	551	2819	1280	3041		

Value	w11	w12	w13	w14	w15	w16
.A=65+,not asked						
.B=Skip, not selected						
.C=Cohort skipped						
.D=DK						
.M=Oth missing						
.R=RF						
.S=Skip,proxy IW						
.U=Unmarried						
.V=Spouse NR						
1.Least risk averse						
2.3rd most risk averse						

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
3.2nd most risk averse										
4.Most risk averse										

RwRISK6: R Income Risk Avers/6-categ

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+,not asked						9467		10384		
.B=Skip,not selected				8631	15926					
.C=Cohort skipped				4984			15198			
.D=DK				335	160	406	113	325		
.M=Oth missing				123	3	24	15	24		
.R=RF				151	68	139	45	62		
.S=Skip, proxy IW				2043	2062	2036	1802	1260		
1.Least risk averse				323	71	363	157	283		
2.2nd least risk averse				375	95	378	199	426		
3.3rd least risk averse				483	122	590	271	628		
4.3rd most risk averse				773	196	954	519	980		
5.2nd most risk averse				863	239	1160	601	1349		
6.Most risk averse				2300	636	2648	1209	2748		

Value	w11	w12	w13	w14	w15	w16
.A=65+,not asked						
.B=Skip,not selected						
.C=Cohort skipped						
.D=DK						
.M=Oth missing						
.R=RF						
.S=Skip, proxy IW						
1.Least risk averse						
2.2nd least risk averse						
3.3rd least risk averse						
4.3rd most risk averse						
5.2nd most risk averse						
6.Most risk averse						

SwRISK6: S Income Risk Avers/6-categ

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+,not asked						5368		5952		
.B=Skip,not selected				6308	10358					
.C=Cohort skipped				2365			9616			
.D=DK				165	65	265	68	222		
.M=Oth missing				76		13	3	13		
.R=RF				77	38	88	24	44		
.S=Skip, proxy IW				1407	1410	1359	1203	792		
.U=Unmarried				6868	6537	6306	6777	6417		
.V=Spouse NR				536	311	220	380	317		
1.Least risk averse				196	40	273	105	192		
2.2nd least risk averse				275	66	284	133	303		
3.3rd least risk averse				337	69	464	172	455		
4.3rd most risk averse				577	139	733	376	741		
5.2nd most risk averse				633	159	883	427	1029		
6.Most risk averse				1564	386	1909	845	1992		

Value	w11	w12	w13	w14	w15	w16
.A=65+,not asked						
.B=Skip,not selected						
.C=Cohort skipped						
.D=DK						

```
.M=Oth missing               |
.R=RF                        |
.S=Skip, proxy IW            |
.U=Unmarried                 |
.V=Spouse NR                 |
1.Least risk averse          |
2.2nd least risk averse      |
3.3rd least risk averse      |
4.3rd most risk averse       |
5.2nd most risk averse       |
6.Most risk averse           |
```

How Constructed

In these questions Respondent is asked to choose between pairs of jobs where one guarantees current family income and the other offers a chance to increase income but also carries the risk of loss of income. If Respondent says they would take the risk, the same scenario but with riskier odds is presented. If Respondent says they would not take the risk, the same scenario with less risky odds is asked.

In Wave 1, the pair of jobs presented are a hypothetical current job and a new one. From Wave 4 forward, the pair of jobs presented are both new jobs, given that Respondent will need to move and find a new job. These questions are not asked in Waves 2 and 3.

The variable RwRISK is set using the following four levels, listed from least to most risk-averse:

1. Respondent would take a job with even chances of doubling income or cutting it in half.

2. Respondent would take a job with even chances of doubling income or cutting it by a third.

3. Respondent would take a job with even chances of doubling income or cutting it 20%.

4. Respondent would take or stay in the job that guaranteed current income given any of the above alternatives.

From Waves 4 forward, additional questions are asked that allow two more categories:

1a. Less risk-averse than 1 above: Respondent would take a job with even chances of doubling income or cutting it by 75%.

4a. Between categories 3 and 4 above: Respondent would take a job with even chances of doubling income or cutting it by 10%.

These additional categories are used to derive RwRISK6. To allow comparison with Wave 1, RwRISK6 is recoded to the 4-category RwRISK variable. Respondents in category 1a are considered least risk-averse and those in 3a are considered most risk-averse in RwRISK. Thus codes 1 and 2 in RwRISK6 variable correspond to 1, codes 5 and 6 in RwRISK6 correspond to 4, and, codes 3 and 4 in RwRISK6 correspond to 2 and 3, respectively, in RwRISK.

These questions are not asked if the interview is by proxy. RwRISK and RwRISK6 are set to .S for proxy interviews.

From Wave 4 forward, Respondents are selected to answer these questions or not, based on a combination of their cohort, age, and/or random selection. Please see the "Cross-Wave Differences" for the variations across waves. If Respondent is not asked these questions by interview design, then RwRISK and RwRISK6 are set to .A, .B, or .C if skipped because of age, random selection, or cohort, respectively.

The spouse variable is taken from the Wave 1 spouse's self-report, i.e., from the spouse's R1RISK.

Cross Wave Differences in Original HRS Data

In wave 1 the question wording is: "Suppose that you are the only income earner in the family, and you have a good job guaranteed to give you your current (family) income every year for life. You are given the opportunity to take a new and equally good job, with a 50-50 chance it will double your (family) income and a 50-50 chance that it will cut your (family) income by a third. Would you take the new job?"

If yes, then: "Suppose the chances were 50-50 that it would double your (family) income, and 50-50 that it would cut it in half. Would you still take the new job?"

If no, then: "Suppose the chances were 50-50 that it would double your (family) income and 50-50 that it would cut it by 20 percent. Would you then take the new job?"

In Waves 2 and 3, these questions are not asked.

From Wave 4 forward the question wording is: "Suppose that you are the only income earner in the family. Your doctor recommends that you move because of allergies, and you have to choose between two possible jobs. The first would guarantee your current total family income for life. The second is possibly better paying, but the income is also less certain. There is a 50-50 chance the second job would double your total lifetime income and a 50-50 chance that it would cut it by a third. Which job would you take – the first job or the second job?"

If first job is chosen in the first question, then: "Suppose the chances were 50-50 that the second job would double your lifetime income and 50-50 that it would cut it by twenty percent. Would you take the first job or the second job?"

If first job is chosen in the second question again, then: "Suppose the chances were 50-50 that the second job would double your lifetime income and 50-50 that it would cut it by 10 percent. Would you take the first job or the second job?"

If second job is chosen in the first question, then: "Suppose the chances were 50-50 that the second job would double your lifetime income, and 50-50 that it would cut it in half. Would you take the first job or the second job?"

If second job is chosen in the second question again, then: "Suppose the chances were 50-50 that the second job would double your lifetime income and 50-50 that it would cut it by seventy-five percent. Would you take the first job or the second job?"

In all waves these questions are skipped if the interview is by proxy. Otherwise the sample asked these questions varies across waves.

In Wave 1, all self-reporting Respondents are asked these questions.

In Wave 4, AHEAD cohort Respondents are not asked, but all self-reporting CODA and War Babies Respondents are, along with all new HRS cohort spouses. One of ten HRS cohort Respondents is also randomly selected for these questions.

In Wave 5, the questionnaire indicates that Respondents are selected based on whether they were asked the question in 1998 and their experimental module assignment in 1996, in addition to random selection among those under 65. But the criteria involving 1998 and 1996 does not appear to be accurate, nor is the selection based on age. It appears instead that one of twelve Respondents is randomly selected for these questions, regardless of age. All entry cohort subsamples are eligible for selection.

In Waves 6 and 8 if person is 65 or older the questions are skipped. Otherwise, all other self-reporting Respondents are asked these questions.

In Wave 7 only the new EBB cohort is asked the questions.

In Wave 9 and forward, these questions are not asked.

HRS Variables Used

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HRS 1992:
    V5122           L14:TAKE CHANCE NEW JOB
    V5123           L14A:B:CHANCE NEW JOB
HRS 1998:
    F4560           RISK AVERSION RANDOM NUMBER
    F4614           H18. RISK AVERSION-1
    F4615           H18A. RISK AVERSION-2
    F4616           H18B. RISK AVERSION-3
    F4617           H18C. RISK AVERSION-4
    F4618           H18D. RISK AVERSION-5
HRS 2000:
    G220            PR220.PREV WAVE MODULE # - UPDATED
    G5027           H18. RISK AVERSION-1
    G5033           H18A. RISK AVERSION-2
    G5034           H18B. RISK AVERSION-3
    G5035           H18C. RISK AVERSION-4
    G5036           H18D. RISK AVERSION-5
HRS 2002-2006:
    xP036           RISK AVERSION ON THE JOB - 1
    xP037           RISK AVERSION ON THE JOB - 2
    xP038           RISK AVERSION ON THE JOB - 3
    xP039           RISK AVERSION ON THE JOB - 4
    xP040           RISK AVERSION ON THE JOB - 5
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Financial planning horizon

Wave	Variable	Label	Type
1	R1FINPLN	R1FINPLN:W1 R Financial planning horizon	Categ
4	R4FINPLN	R4FINPLN:W4 R Financial planning horizon	Categ
5	R5FINPLN	R5FINPLN:W5 R Financial planning horizon	Categ
6	R6FINPLN	R6FINPLN:W6 R Financial planning horizon	Categ
7	R7FINPLN	R7FINPLN:W7 R Financial planning horizon	Categ
8	R8FINPLN	R8FINPLN:W8 R Financial planning horizon	Categ
11	R11FINPLN	R11FINPLN:W11 R Financial planning horizon	Categ
12	R12FINPLN	R12FINPLN:W12 R Financial planning horizon	Categ
13	R13FINPLN	R13FINPLN:W13 R Financial planning horizon	Categ
14	R14FINPLN	R14FINPLN:W14 R Financial planning horizon	Categ
15	R15FINPLN	R15FINPLN:W15 R Financial planning horizon	Categ
16	R16FINPLN	R16FINPLN:W16 R Financial planning horizon	Categ
1	S1FINPLN	S1FINPLN:W1 S Financial planning horizon	Categ
4	S4FINPLN	S4FINPLN:W4 S Financial planning horizon	Categ
5	S5FINPLN	S5FINPLN:W5 S Financial planning horizon	Categ
6	S6FINPLN	S6FINPLN:W6 S Financial planning horizon	Categ
7	S7FINPLN	S7FINPLN:W7 S Financial planning horizon	Categ
8	S8FINPLN	S8FINPLN:W8 S Financial planning horizon	Categ
11	S11FINPLN	S11FINPLN:W11 S Financial planning horizon	Categ
12	S12FINPLN	S12FINPLN:W12 S Financial planning horizon	Categ
13	S13FINPLN	S13FINPLN:W13 S Financial planning horizon	Categ
14	S14FINPLN	S14FINPLN:W14 S Financial planning horizon	Categ
15	S15FINPLN	S15FINPLN:W15 S Financial planning horizon	Categ
16	S16FINPLN	S16FINPLN:W16 S Financial planning horizon	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1FINPLN	11626	2.98	1.23	1.0	5.0
R4FINPLN	5255	3.18	1.29	1.0	5.0
R5FINPLN	1451	3.10	1.26	1.0	5.0
R6FINPLN	6323	3.15	1.24	1.0	5.0
R7FINPLN	17004	2.97	1.27	1.0	5.0
R8FINPLN	16205	3.02	1.25	1.0	5.0
R11FINPLN	9259	3.10	1.33	1.0	5.0
R12FINPLN	13843	3.14	1.29	1.0	5.0
R13FINPLN	4320	3.17	1.38	1.0	5.0
R14FINPLN	15742	3.17	1.28	1.0	5.0
R15FINPLN	158	3.30	1.28	1.0	5.0
R16FINPLN	14476	3.32	1.24	1.0	5.0
S1FINPLN	9051	3.04	1.20	1.0	5.0
S4FINPLN	3630	3.29	1.22	1.0	5.0
S5FINPLN	907	3.17	1.23	1.0	5.0
S6FINPLN	4704	3.22	1.21	1.0	5.0
S7FINPLN	11174	3.09	1.23	1.0	5.0
S8FINPLN	10463	3.17	1.20	1.0	5.0
S11FINPLN	6082	3.15	1.29	1.0	5.0
S12FINPLN	8429	3.23	1.25	1.0	5.0
S13FINPLN	2391	3.23	1.36	1.0	5.0
S14FINPLN	8676	3.28	1.23	1.0	5.0
S15FINPLN	141	3.28	1.32	1.0	5.0
S16FINPLN	7271	3.44	1.17	1.0	5.0

Categorical Variable Codes

RwFINPLN: R Financial planning horizon

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+,not asked						9467				
.B=Skip,not selected				8631	15926					
.C=Cohort skipped				4984						
.D=DK	147			272	108	260	1074	879		
.J=Web interview, missing										
.M=Oth missing	238			123	3	24	80	18		
.P=Answered prev wv										
.R=RF				76	28	55	169	107		
.S=Skip, proxy IW	641			2043	2062	2036	1802	1260		
.X=Can not do Prob Q										
1.Next few months	2187			902	254	989	3235	2821		
2.Next year	1257			515	167	738	2416	2312		
3.Next few years	3832			1301	378	1733	4808	4463		
4.Next 5-10 years	3317			1803	487	2081	4746	4893		
5.Longer than 10 years	1033			734	165	782	1799	1716		

Value	w11	w12	w13	w14	w15	w16
.A=65+,not asked	9843					
.B=Skip,not selected						
.C=Cohort skipped						
.D=DK	157	388	58	339	2	372
.J=Web interview, missing				30		24
.M=Oth missing	30		84	2	5	54
.P=Answered prev wv		3184	15271	146	14708	101
.R=RF	33	81	19	95	1	63
.S=Skip, proxy IW	1146	1049	941	663	721	585
.X=Can not do Prob Q	86	202	219	129	128	112
1.Next few months	1730	2289	863	2486	23	1855
2.Next year	1134	1743	438	1987	15	1486
3.Next few years	2276	3694	900	4107	41	3822
4.Next 5-10 years	2719	4042	1347	4760	50	4813
5.Longer than 10 years	1400	2075	772	2402	29	2500

SwFINPLN: S Financial planning horizon

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+,not asked						5368				
.B=Skip,not selected				6308	10358					
.C=Cohort skipped				2365						
.D=DK	90			162	42	161	489	425		
.J=Web interview, missing										
.M=Oth missing	149			76		13	27	5		
.P=Answered prev wv										
.R=RF				32	13	34	79	50		
.S=Skip, proxy IW	610			1407	1410	1359	1203	792		
.U=Unmarried	2373			6868	6537	6306	6777	6417		
.V=Spouse NR	379			536	311	220	380	317		
.X=Can not do Prob Q										
1.Next few months	1523			497	140	627	1741	1420		
2.Next year	980			326	100	526	1488	1315		
3.Next few years	3029			950	241	1329	3247	3019		
4.Next 5-10 years	2688			1329	320	1616	3433	3501		
5.Longer than 10 years	831			528	106	606	1265	1208		

Value	w11	w12	w13	w14	w15	w16

.A=65+,not asked	5578					
.B=Skip,not selected						
.C=Cohort skipped						
.D=DK	95	180	25	147	2	136
.J=Web interview, missing				10		11
.M=Oth missing	11		28	1	3	8
.P=Answered prev wv		1696	8704	62	7869	23
.R=RF	19	32	8	37	1	23
.S=Skip, proxy IW	649	589	526	384	419	320
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.X=Can not do Prob Q	50	86	97	41	42	48
1.Next few months	1007	1184	437	1104	22	713
2.Next year	733	965	231	987	13	632
3.Next few years	1565	2341	527	2341	38	1983
4.Next 5-10 years	1868	2625	747	2843	40	2621
5.Longer than 10 years	909	1314	449	1401	28	1322

How Constructed

RwFINPLN is derived from the question: In planning your family's saving and spending, which time period is most important to you? RwFINPLN simply recodes missings from the HRS variable. It is set to .S if skipped because the interview is by proxy.

In Waves 4 and 5, Respondents are selected to answer this question or not, based on a combination of their cohort and random selection. If Respondent is not asked this question by interview design, then RwFINPLN is set to .B or .C, indicating selection based on random selection or cohort, respectively.

In Waves 6 and, this question generally is not asked if Respondent is 65 or older. If skipped due to Respondent's age, RwFINPLN is set to .A.

In Waves 11 forward, Respondents who had difficulty with the first few probabilities in the Expectations module skip these questions and are coded as .X (see RwANS3PQ variable).

In Wave 12, some Respondents were skipped if they were not a new Respondent. In these cases, RwFINPLN is set to .P, indicating the Respondent had responded in a previous wave.

Beginning Wave 13, the question is only asked to new Respondents on alternative waves. For Respondents from previous waves who were not asked the question, RwFINPLN is set to .P.

The spouse variable is taken from the Wave "w" spouse's self-report, i.e., from the spouse's RwFINPLN.

Cross Wave Differences in Original HRS Data

In all waves, this question is skipped if the interview is by proxy. Otherwise the sample asked this question varies across waves.

In Wave 1, all self-reporting Respondents are asked this question.

In Waves 2 and 3, these questions are not asked.

In Wave 4, AHEAD cohort Respondents are not asked, but all self-reporting CODA and War Babies Respondents are, along with all new HRS cohort spouses. One of ten HRS cohort Respondents is also randomly selected for these questions.

In Wave 5, the questionnaire indicates that Respondents are selected based on whether they were asked the question in 1998 and their experimental module assignment in 1996, in addition to random selection among those under 65. But the criteria involving 1998 and 1996 does not appear to be accurate, nor is the selection based on age. It appears instead that one of twelve Respondents is randomly

selected for these questions, regardless of age. All entry cohort subsamples are eligible for selection.

In Wave 6, the questions are skipped if person is 65 or older. Otherwise, all other self-reporting Respondents are asked this question.

In Waves 7 and 8, all Respondents are asked this question.

In Waves 9 and 10, this question is not asked.

In Wave 11, this question generally is asked of self-reporting Respondents under age 65 who were able to answer the first three probability questions in the Expectations module.

In Wave 12, this question is asked of most self-reporting Respondents who were able to answer the first three probability questions in the Expectations module. In some cases, this question was skipped for Respondents who appeared in earlier waves.

Beginning Wave 13, the question is only asked to new self-reporting Respondents on alternative waves. The respondents must also have been able to answer the first three probability questions in the Expectations module to be asked the question.

HRS Variables Used

```
HRS 1992:
    V5124           L15:IMPORT FIN PLAN TIME
HRS 1998:
    F4560           RISK AVERSION RANDOM NUMBER
    F4619           H19. PLANNING/SAVING/SPENDING
HRS 2000:
    G220            PR220.PREV WAVE MODULE # - UPDATED
    G5037           H19. PLANNING/SAVING/SPENDING
HRS 2002:
    HP041           FAM FINANCIAL TIMELINE - SAVE/SPEND/PLAN
HRS 2004:
    JP041           FAM FINANCIAL TIMELINE - SAVE/SPEND/PLAN
HRS 2006:
    KP041           FAM FINANCIAL TIMELINE - SAVE/SPEND/PLAN
HRS 2012:
    NP041           FAM FINANCIAL TIMELINE - SAVE/SPEND/PLAN
HRS 2014:
    OP041           FAM FINANCIAL TIMELINE - SAVE/SPEND/PLAN
HRS 2016:
    PP041           FAM FINANCIAL TIMELINE - SAVE/SPEND/PLAN
HRS 2018:
    QP041           FAM FINANCIAL TIMELINE - SAVE/SPEND/PLAN
HRS 2020:
    RP041           FAM FINANCIAL TIMELINE - SAVE/SPEND/PLAN
HRS 2022:
    SP041           FAM FINANCIAL TIMELINE - SAVE/SPEND/PLAN
```

Did Respondent respond to at least the first three probability questions

Wave	Variable	Label	Type
3	R3ANS3PQ	R3ANS3PQ:W3 R answered the first three probability questions	Categ
4	R4ANS3PQ	R4ANS3PQ:W4 R answered the first three probability questions	Categ
5	R5ANS3PQ	R5ANS3PQ:W5 R answered the first three probability questions	Categ
6	R6ANS3PQ	R6ANS3PQ:W6 R answered the first three probability questions	Categ
7	R7ANS3PQ	R7ANS3PQ:W7 R answered the first three probability questions	Categ
8	R8ANS3PQ	R8ANS3PQ:W8 R answered the first three probability questions	Categ
9	R9ANS3PQ	R9ANS3PQ:W9 R answered the first three probability questions	Categ
10	R10ANS3PQ	R10ANS3PQ:W10 R answered the first three probability questions	Categ
11	R11ANS3PQ	R11ANS3PQ:W11 R answered the first three probability questions	Categ
12	R12ANS3PQ	R12ANS3PQ:W12 R answered the first three probability questions	Categ
13	R13ANS3PQ	R13ANS3PQ:W13 R answered the first three probability questions	Categ
14	R14ANS3PQ	R14ANS3PQ:W14 R answered the first three probability questions	Categ
15	R15ANS3PQ	R15ANS3PQ:W15 R answered the first three probability questions	Categ
16	R16ANS3PQ	R16ANS3PQ:W16 R answered the first three probability questions	Categ
3	S3ANS3PQ	S3ANS3PQ:W3 S answered the first three probability questions	Categ
4	S4ANS3PQ	S4ANS3PQ:W4 S answered the first three probability questions	Categ
5	S5ANS3PQ	S5ANS3PQ:W5 S answered the first three probability questions	Categ
6	S6ANS3PQ	S6ANS3PQ:W6 S answered the first three probability questions	Categ
7	S7ANS3PQ	S7ANS3PQ:W7 S answered the first three probability questions	Categ
8	S8ANS3PQ	S8ANS3PQ:W8 S answered the first three probability questions	Categ
9	S9ANS3PQ	S9ANS3PQ:W9 S answered the first three probability questions	Categ
10	S10ANS3PQ	S10ANS3PQ:W10 S answered the first three probability questions	Categ
11	S11ANS3PQ	S11ANS3PQ:W11 S answered the first three probability questions	Categ
12	S12ANS3PQ	S12ANS3PQ:W12 S answered the first three probability questions	Categ
13	S13ANS3PQ	S13ANS3PQ:W13 S answered the first three probability questions	Categ
14	S14ANS3PQ	S14ANS3PQ:W14 S answered the first three probability questions	Categ
15	S15ANS3PQ	S15ANS3PQ:W15 S answered the first three probability questions	Categ
16	S16ANS3PQ	S16ANS3PQ:W16 S answered the first three probability questions	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3ANS3PQ	6110	0.95	0.21	0.0	1.0
R4ANS3PQ	19292	0.98	0.14	0.0	1.0
R5ANS3PQ	17482	0.98	0.15	0.0	1.0
R6ANS3PQ	16128	0.98	0.14	0.0	1.0
R7ANS3PQ	18270	0.99	0.12	0.0	1.0
R8ANS3PQ	17209	0.97	0.16	0.0	1.0
R9ANS3PQ	16060	0.98	0.14	0.0	1.0
R10ANS3PQ	20398	0.99	0.09	0.0	1.0
R11ANS3PQ	19359	0.99	0.12	0.0	1.0
R12ANS3PQ	17647	0.99	0.11	0.0	1.0
R13ANS3PQ	19844	0.99	0.10	0.0	1.0
R14ANS3PQ	16336	0.99	0.09	0.0	1.0
R15ANS3PQ	14815	0.99	0.09	0.0	1.0
R16ANS3PQ	15052	0.99	0.09	0.0	1.0
S3ANS3PQ	3179	0.97	0.17	0.0	1.0
S4ANS3PQ	12564	0.99	0.12	0.0	1.0
S5ANS3PQ	11315	0.98	0.13	0.0	1.0
S6ANS3PQ	10280	0.99	0.12	0.0	1.0
S7ANS3PQ	11746	0.99	0.09	0.0	1.0
S8ANS3PQ	10943	0.98	0.14	0.0	1.0
S9ANS3PQ	9985	0.98	0.13	0.0	1.0
S10ANS3PQ	12553	0.99	0.09	0.0	1.0

S11ANS3PQ	11826	0.99	0.10	0.0	1.0
S12ANS3PQ	10408	0.99	0.09	0.0	1.0
S13ANS3PQ	11218	0.99	0.09	0.0	1.0
S14ANS3PQ	8910	1.00	0.07	0.0	1.0
S15ANS3PQ	7999	0.99	0.07	0.0	1.0
S16ANS3PQ	7491	0.99	0.08	0.0	1.0

Categorical Variable Codes

RwANS3PQ: R answered the first three probability questions

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.J=Web interview, missing										
.M=Oth missing			16	49	34	1	57		17	254
.Q=Not asked this wv			10964							
.S=Skip,question not asked			901	2043	2062	2036	1802	1260	1140	1382
0.No			276	389	429	341	252	437	333	183
1.Yes			5834	18903	17053	15787	18018	16772	15727	20215

Value	w11	w12	w13	w14	w15	w16
.J=Web interview, missing				49	48	
.M=Oth missing	49	51	127	98	139	150
.Q=Not asked this wv						
.S=Skip,question not asked	1146	1049	941	663	721	585
0.No	277	202	219	129	128	112
1.Yes	19082	17445	19625	16207	14687	14940

SwANS3PQ: S answered the first three probability questions

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.J=Web interview, missing										
.M=Oth missing			4	9	5		23		4	143
.Q=Not asked this wv			8630							
.S=Skip,question not asked			426	1407	1410	1359	1203	792	657	817
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR			95	536	311	220	380	317	365	724
0.No			93	188	193	139	105	226	167	99
1.Yes			3086	12376	11122	10141	11641	10717	9818	12454

Value	w11	w12	w13	w14	w15	w16
.J=Web interview, missing				41	31	1
.M=Oth missing	9	15	35	23	28	28
.Q=Not asked this wv						
.S=Skip,question not asked	649	589	526	384	419	320
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	122	86	97	41	42	48
1.Yes	11704	10322	11121	8869	7957	7443

How Constructed

In Wave 3A and from Wave 4 onwards, in the Expectations section, Respondents are asked a series of probability questions. They are asked how likely a certain scenario is and reports a probability (0-100).

If Respondent responds don't know or refused to answer the first three probability questions, then the rest of the section is skipped. RwANS3PQ is set to "1" if the Respondent successfully responded to at least the first three probability question and "0" if not. If the Respondent skipped the entire section then RwANS3PQ is set to .M. It is set to .S if skipped because the interview is by proxy.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwANS3PQ.

Cross Wave Differences in Original HRS Data

In Wave 1, 2 and 3H the questions are not asked.

In Wave 3A we use the three questions specified in the questionnaire to determine if Respondent answered the probability questions. In Waves 4 to 8, we simply re-code a raw HRS variable that tells us if Respondent responded to the first three probability questions.

In Wave 9 and beyond, we use two counts to calculate if Respondent responded to the first three probability questions. This first is a count of the number of questions the Respondent was asked and the second is a count of the number of questions the Respondent reported don't know or refused.

In Wave 3H, the values are set to .Q, to indicate that no information is available.

HRS Variables Used

```
AHEAD 1995:
    D3786           H0.INTRO
    D3787           H1.EXP:INC-INFLATION
    D3789           H3.EXP:MED COSTS
HRS 1998:
    F4577           H_CK2.PROBABILITY SCALE CHECKPOINT
HRS 2000:
    G4990           H_CKPT1.PROBABILITY SCALE CHECKPOINT
HRS 2002:
    HP009           CHECKPOINT - R CAN DO PROBABILITY SCALES
HRS 2004:
    JP009           CHECKPOINT - R CAN DO PROBABILITY SCALES
HRS 2006:
    KP009           CHECKPOINT - R CAN DO PROBABILITY SCALES
HRS 2012:
    NP009           R CAN DO PROBABILITY SCALES
HRS 2014:
    OP009           R CAN DO PROBABILITY SCALES
HRS 2016:
    PP009           R CAN DO PROBABILITY SCALES
HRS 2018:
    QP009           R CAN DO PROBABILITY SCALES
HRS 2020:
    RP009           R CAN DO PROBABILITY SCALES
HRS 2022:
    SP009           R CAN DO PROBABILITY SCALES
HRS 2008-2010:
    xP155           NUMBER OF PERCENT RANGE QUESTIONS ASKED
    xP156           NUMBER OF PERCENT RANGE QUESTIONS ANSWERED DK OR RF
```

Self-reported probability of receiving an inheritance

Wave	Variable	Label	Type
2	R2INHER	R2INHER:W2 R Prob inheritance nxt 10 yr	Cont
3	R3INHER	R3INHER:W3 R Prob inheritance nxt 10 yr	Cont
4	R4INHER	R4INHER:W4 R Prob inheritance nxt 10 yr	Cont
5	R5INHER	R5INHER:W5 R Prob inheritance nxt 10 yr	Cont
6	R6INHER	R6INHER:W6 R Prob inheritance nxt 10 yr	Cont
7	R7INHER	R7INHER:W7 R Prob inheritance nxt 10 yr	Cont
8	R8INHER	R8INHER:W8 R Prob inheritance nxt 10 yr	Cont
2	S2INHER	S2INHER:W2 S Prob inheritance nxt 10 yr	Cont
3	S3INHER	S3INHER:W3 S Prob inheritance nxt 10 yr	Cont
4	S4INHER	S4INHER:W4 S Prob inheritance nxt 10 yr	Cont
5	S5INHER	S5INHER:W5 S Prob inheritance nxt 10 yr	Cont
6	S6INHER	S6INHER:W6 S Prob inheritance nxt 10 yr	Cont
7	S7INHER	S7INHER:W7 S Prob inheritance nxt 10 yr	Cont
8	S8INHER	S8INHER:W8 S Prob inheritance nxt 10 yr	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2INHER	10480	21.50	34.25	0.0	100.0
R3INHER	9965	20.26	34.37	0.0	100.0
R4INHER	18687	14.07	30.11	0.0	100.0
R5INHER	16880	14.02	29.72	0.0	100.0
R6INHER	15556	12.35	28.31	0.0	100.0
R7INHER	17817	13.86	29.16	0.0	100.0
R8INHER	16538	14.39	29.69	0.0	100.0
S2INHER	7944	23.28	35.19	0.0	100.0
S3INHER	7474	22.15	35.56	0.0	100.0
S4INHER	12254	17.11	32.55	0.0	100.0
S5INHER	11020	17.20	32.24	0.0	100.0
S6INHER	10017	15.12	30.81	0.0	100.0
S7INHER	11534	16.66	31.49	0.0	100.0
S8INHER	10596	18.06	32.48	0.0	100.0

How Constructed

RwINHER is the Respondent's self-reported probability of receiving an inheritance. This question is not asked in Wave 1, 2A or 3A. From Wave 2H forward, Respondent's self-reported probability is given on a 0-100 scale. It is set to .S if the question is skipped because the interview is by proxy.

SwINHER is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwINHER.

In Waves 2A and 3A, this question is not asked and R2INHER and R3INHER are set to .Q.

From Wave 9 forward, this question is not asked.

Cross Wave Differences in Original HRS Data

The question is not asked in Wave 1, 2A or 3A. In Wave 2H it is asked in the Cognition section. From Wave 3H forward, it is asked in the Expectations section.

Through Wave 7, the question asks: "And how about the chances that you will receive an inheritance within the next 10 years?"

In Wave 8, the question changes, particularly for those in a couple household: "(Not counting anything you might give or leave to each other,) what are the chances that you (or your [husband/wife/partner])will receive an inheritance during the next 10 years?"

From Wave 9 forward, this question is not asked.

HRS Variables Used

```
HRS 1994:
    W5845           C11.CHANCE RECEIVE INHER
HRS 1996:
    E3827           H12.RECEIVE INHERIT.
HRS 1998:
    F4576           H3. RECEIVE INHERIT.
HRS 2000:
    G4989           H3. RCV INHERIT
    G514            CS1A.PROXY/SELF INTERVIEW
HRS 2002-2006:
    xA009           PROXY/SELF INTERVIEW
    xP008           WILL R RECEIVE ANY INHERITANCE NEXT 10YR
```

Self-reported probability of leaving a bequest

Wave	Variable	Label	Type
1	R1BEQLRG	R1BEQLRG:W1 R Prob leave sizable bequest	Categ
1	S1BEQLRG	S1BEQLRG:W1 S Prob leave sizable bequest	Categ
2	R2BEQ10K	R2BEQ10K:W2 R Prob leave bequest 10K+	Cont
3	R3BEQ10K	R3BEQ10K:W3 R Prob leave bequest 10K+	Cont
4	R4BEQ10K	R4BEQ10K:W4 R Prob leave bequest 10K+	Cont
5	R5BEQ10K	R5BEQ10K:W5 R Prob leave bequest 10K+	Cont
6	R6BEQ10K	R6BEQ10K:W6 R Prob leave bequest 10K+	Cont
7	R7BEQ10K	R7BEQ10K:W7 R Prob leave bequest 10K+	Cont
8	R8BEQ10K	R8BEQ10K:W8 R Prob leave bequest 10K+	Cont
9	R9BEQ10K	R9BEQ10K:W9 R Prob leave bequest 10K+	Cont
10	R10BEQ10K	R10BEQ10K:W10 R Prob leave bequest 10K+	Cont
11	R11BEQ10K	R11BEQ10K:W11 R Prob leave bequest 10K+	Cont
12	R12BEQ10K	R12BEQ10K:W12 R Prob leave bequest 10K+	Cont
13	R13BEQ10K	R13BEQ10K:W13 R Prob leave bequest 10K+	Cont
14	R14BEQ10K	R14BEQ10K:W14 R Prob leave bequest 10K+	Cont
15	R15BEQ10K	R15BEQ10K:W15 R Prob leave bequest 10K+	Cont
16	R16BEQ10K	R16BEQ10K:W16 R Prob leave bequest 10K+	Cont
2	S2BEQ10K	S2BEQ10K:W2 S Prob leave bequest 10K+	Cont
3	S3BEQ10K	S3BEQ10K:W3 S Prob leave bequest 10K+	Cont
4	S4BEQ10K	S4BEQ10K:W4 S Prob leave bequest 10K+	Cont
5	S5BEQ10K	S5BEQ10K:W5 S Prob leave bequest 10K+	Cont
6	S6BEQ10K	S6BEQ10K:W6 S Prob leave bequest 10K+	Cont
7	S7BEQ10K	S7BEQ10K:W7 S Prob leave bequest 10K+	Cont
8	S8BEQ10K	S8BEQ10K:W8 S Prob leave bequest 10K+	Cont
9	S9BEQ10K	S9BEQ10K:W9 S Prob leave bequest 10K+	Cont
10	S10BEQ10K	S10BEQ10K:W10 S Prob leave bequest 10K+	Cont
11	S11BEQ10K	S11BEQ10K:W11 S Prob leave bequest 10K+	Cont
12	S12BEQ10K	S12BEQ10K:W12 S Prob leave bequest 10K+	Cont
13	S13BEQ10K	S13BEQ10K:W13 S Prob leave bequest 10K+	Cont
14	S14BEQ10K	S14BEQ10K:W14 S Prob leave bequest 10K+	Cont
15	S15BEQ10K	S15BEQ10K:W15 S Prob leave bequest 10K+	Cont
16	S16BEQ10K	S16BEQ10K:W16 S Prob leave bequest 10K+	Cont
2	R2BEQ100	R2BEQ100:W2 R Prob leave bequest 100K+	Cont
3	R3BEQ100	R3BEQ100:W3 R Prob leave bequest 100K+	Cont
4	R4BEQ100	R4BEQ100:W4 R Prob leave bequest 100K+	Cont
5	R5BEQ100	R5BEQ100:W5 R Prob leave bequest 100K+	Cont
6	R6BEQ100	R6BEQ100:W6 R Prob leave bequest 100K+	Cont
7	R7BEQ100	R7BEQ100:W7 R Prob leave bequest 100K+	Cont
8	R8BEQ100	R8BEQ100:W8 R Prob leave bequest 100K+	Cont
9	R9BEQ100	R9BEQ100:W9 R Prob leave bequest 100K+	Cont
10	R10BEQ100	R10BEQ100:W10 R Prob leave bequest 100K+	Cont
11	R11BEQ100	R11BEQ100:W11 R Prob leave bequest 100K+	Cont
12	R12BEQ100	R12BEQ100:W12 R Prob leave bequest 100K+	Cont
13	R13BEQ100	R13BEQ100:W13 R Prob leave bequest 100K+	Cont
14	R14BEQ100	R14BEQ100:W14 R Prob leave bequest 100K+	Cont
15	R15BEQ100	R15BEQ100:W15 R Prob leave bequest 100K+	Cont
16	R16BEQ100	R16BEQ100:W16 R Prob leave bequest 100K+	Cont
2	S2BEQ100	S2BEQ100:W2 S Prob leave bequest 100K+	Cont
3	S3BEQ100	S3BEQ100:W3 S Prob leave bequest 100K+	Cont
4	S4BEQ100	S4BEQ100:W4 S Prob leave bequest 100K+	Cont
5	S5BEQ100	S5BEQ100:W5 S Prob leave bequest 100K+	Cont
6	S6BEQ100	S6BEQ100:W6 S Prob leave bequest 100K+	Cont
7	S7BEQ100	S7BEQ100:W7 S Prob leave bequest 100K+	Cont
8	S8BEQ100	S8BEQ100:W8 S Prob leave bequest 100K+	Cont
9	S9BEQ100	S9BEQ100:W9 S Prob leave bequest 100K+	Cont
10	S10BEQ100	S10BEQ100:W10 S Prob leave bequest 100K+	Cont
11	S11BEQ100	S11BEQ100:W11 S Prob leave bequest 100K+	Cont
12	S12BEQ100	S12BEQ100:W12 S Prob leave bequest 100K+	Cont
13	S13BEQ100	S13BEQ100:W13 S Prob leave bequest 100K+	Cont
14	S14BEQ100	S14BEQ100:W14 S Prob leave bequest 100K+	Cont
15	S15BEQ100	S15BEQ100:W15 S Prob leave bequest 100K+	Cont

16	S16BEQ100	S16BEQ100:W16 S Prob leave bequest 100K+	Cont
6	R6BEQ500	R6BEQ500:W6 R Prob leave bequest 500K+	Cont
7	R7BEQ500	R7BEQ500:W7 R Prob leave bequest 500K+	Cont
8	R8BEQ500	R8BEQ500:W8 R Prob leave bequest 500K+	Cont
9	R9BEQ500	R9BEQ500:W9 R Prob leave bequest 500K+	Cont
10	R10BEQ500	R10BEQ500:W10 R Prob leave bequest 500K+	Cont
11	R11BEQ500	R11BEQ500:W11 R Prob leave bequest 500K+	Cont
12	R12BEQ500	R12BEQ500:W12 R Prob leave bequest 500K+	Cont
13	R13BEQ500	R13BEQ500:W13 R Prob leave bequest 500K+	Cont
14	R14BEQ500	R14BEQ500:W14 R Prob leave bequest 500K+	Cont
15	R15BEQ500	R15BEQ500:W15 R Prob leave bequest 500K+	Cont
16	R16BEQ500	R16BEQ500:W16 R Prob leave bequest 500K+	Cont
6	S6BEQ500	S6BEQ500:W6 S Prob leave bequest 500K+	Cont
7	S7BEQ500	S7BEQ500:W7 S Prob leave bequest 500K+	Cont
8	S8BEQ500	S8BEQ500:W8 S Prob leave bequest 500K+	Cont
9	S9BEQ500	S9BEQ500:W9 S Prob leave bequest 500K+	Cont
10	S10BEQ500	S10BEQ500:W10 S Prob leave bequest 500K+	Cont
11	S11BEQ500	S11BEQ500:W11 S Prob leave bequest 500K+	Cont
12	S12BEQ500	S12BEQ500:W12 S Prob leave bequest 500K+	Cont
13	S13BEQ500	S13BEQ500:W13 S Prob leave bequest 500K+	Cont
14	S14BEQ500	S14BEQ500:W14 S Prob leave bequest 500K+	Cont
15	S15BEQ500	S15BEQ500:W15 S Prob leave bequest 500K+	Cont
16	S16BEQ500	S16BEQ500:W16 S Prob leave bequest 500K+	Cont
2	R2BEQANY	R2BEQANY:W2 R Prob leave bequest any	Cont
3	R3BEQANY	R3BEQANY:W3 R Prob leave bequest any	Cont
4	R4BEQANY	R4BEQANY:W4 R Prob leave bequest any	Cont
5	R5BEQANY	R5BEQANY:W5 R Prob leave bequest any	Cont
6	R6BEQANY	R6BEQANY:W6 R Prob leave bequest any	Cont
7	R7BEQANY	R7BEQANY:W7 R Prob leave bequest any	Cont
8	R8BEQANY	R8BEQANY:W8 R Prob leave bequest any	Cont
9	R9BEQANY	R9BEQANY:W9 R Prob leave bequest any	Cont
10	R10BEQANY	R10BEQANY:W10 R Prob leave bequest any	Cont
11	R11BEQANY	R11BEQANY:W11 R Prob leave bequest any	Cont
12	R12BEQANY	R12BEQANY:W12 R Prob leave bequest any	Cont
13	R13BEQANY	R13BEQANY:W13 R Prob leave bequest any	Cont
14	R14BEQANY	R14BEQANY:W14 R Prob leave bequest any	Cont
15	R15BEQANY	R15BEQANY:W15 R Prob leave bequest any	Cont
16	R16BEQANY	R16BEQANY:W16 R Prob leave bequest any	Cont
2	S2BEQANY	S2BEQANY:W2 S Prob leave bequest any	Cont
3	S3BEQANY	S3BEQANY:W3 S Prob leave bequest any	Cont
4	S4BEQANY	S4BEQANY:W4 S Prob leave bequest any	Cont
5	S5BEQANY	S5BEQANY:W5 S Prob leave bequest any	Cont
6	S6BEQANY	S6BEQANY:W6 S Prob leave bequest any	Cont
7	S7BEQANY	S7BEQANY:W7 S Prob leave bequest any	Cont
8	S8BEQANY	S8BEQANY:W8 S Prob leave bequest any	Cont
9	S9BEQANY	S9BEQANY:W9 S Prob leave bequest any	Cont
10	S10BEQANY	S10BEQANY:W10 S Prob leave bequest any	Cont
11	S11BEQANY	S11BEQANY:W11 S Prob leave bequest any	Cont
12	S12BEQANY	S12BEQANY:W12 S Prob leave bequest any	Cont
13	S13BEQANY	S13BEQANY:W13 S Prob leave bequest any	Cont
14	S14BEQANY	S14BEQANY:W14 S Prob leave bequest any	Cont
15	S15BEQANY	S15BEQANY:W15 S Prob leave bequest any	Cont
16	S16BEQANY	S16BEQANY:W16 S Prob leave bequest any	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1BEQLRG	12368	3.43	1.38	1.0	5.0
S1BEQLRG	9778	3.36	1.37	1.0	5.0
R2BEQ10K	16870	61.69	42.52	0.0	100.0

R3BEQ10K	15406	63.97	41.81	0.0	100.0
R4BEQ10K	18347	67.98	39.98	0.0	100.0
R5BEQ10K	16612	69.57	39.08	0.0	100.0
R6BEQ10K	15315	68.94	39.33	0.0	100.0
R7BEQ10K	17566	67.12	39.27	0.0	100.0
R8BEQ10K	16281	68.95	39.71	0.0	100.0
R9BEQ10K	15260	69.66	38.99	0.0	100.0
R10BEQ10K	19646	63.32	40.05	0.0	100.0
R11BEQ10K	18602	62.76	39.79	0.0	100.0
R12BEQ10K	16996	62.80	39.67	0.0	100.0
R13BEQ10K	19144	62.22	40.17	0.0	100.0
R14BEQ10K	15844	61.75	40.36	0.0	100.0
R15BEQ10K	14286	64.46	39.39	0.0	100.0
R16BEQ10K	14522	65.59	39.98	0.0	100.0
S2BEQ10K	11385	67.81	39.72	0.0	100.0
S3BEQ10K	10359	70.49	38.61	0.0	100.0
S4BEQ10K	12091	74.11	36.19	0.0	100.0
S5BEQ10K	10893	75.44	35.10	0.0	100.0
S6BEQ10K	9906	74.91	35.46	0.0	100.0
S7BEQ10K	11380	73.12	35.67	0.0	100.0
S8BEQ10K	10446	75.33	35.72	0.0	100.0
S9BEQ10K	9568	75.96	34.66	0.0	100.0
S10BEQ10K	12166	68.74	37.32	0.0	100.0
S11BEQ10K	11427	67.81	37.32	0.0	100.0
S12BEQ10K	10097	68.28	36.91	0.0	100.0
S13BEQ10K	10877	67.64	37.54	0.0	100.0
S14BEQ10K	8696	67.31	37.89	0.0	100.0
S15BEQ10K	7754	70.47	36.38	0.0	100.0
S16BEQ10K	7263	71.73	36.81	0.0	100.0
R2BEQ100	16336	32.34	40.94	0.0	100.0
R3BEQ100	14912	35.19	41.97	0.0	100.0
R4BEQ100	18126	40.01	42.99	0.0	100.0
R5BEQ100	16398	43.46	43.30	0.0	100.0
R6BEQ100	15071	43.99	43.24	0.0	100.0
R7BEQ100	17361	43.96	42.85	0.0	100.0
R8BEQ100	16086	48.43	43.84	0.0	100.0
R9BEQ100	15072	48.06	43.72	0.0	100.0
R10BEQ100	19443	42.49	42.09	0.0	100.0
R11BEQ100	18422	41.13	41.58	0.0	100.0
R12BEQ100	16867	42.14	41.58	0.0	100.0
R13BEQ100	18981	41.99	41.79	0.0	100.0
R14BEQ100	15720	42.93	41.83	0.0	100.0
R15BEQ100	14120	45.66	42.05	0.0	100.0
R16BEQ100	14382	48.56	42.99	0.0	100.0
S2BEQ100	11081	37.40	41.75	0.0	100.0
S3BEQ100	10088	40.53	42.54	0.0	100.0
S4BEQ100	11946	46.24	43.01	0.0	100.0
S5BEQ100	10755	49.95	42.85	0.0	100.0
S6BEQ100	9751	50.87	42.62	0.0	100.0
S7BEQ100	11254	50.73	42.27	0.0	100.0
S8BEQ100	10330	55.71	42.51	0.0	100.0
S9BEQ100	9452	55.44	42.41	0.0	100.0
S10BEQ100	12044	48.19	41.62	0.0	100.0
S11BEQ100	11330	46.96	41.31	0.0	100.0
S12BEQ100	10028	48.46	41.10	0.0	100.0
S13BEQ100	10783	48.12	41.32	0.0	100.0

S14BEQ100	8638	49.40	41.22	0.0	100.0
S15BEQ100	7662	52.46	40.99	0.0	100.0
S16BEQ100	7201	56.31	41.82	0.0	100.0
R6BEQ500	14922	16.27	30.88	0.0	100.0
R7BEQ500	17247	16.91	31.19	0.0	100.0
R8BEQ500	15970	20.61	34.27	0.0	100.0
R9BEQ500	14926	19.97	33.82	0.0	100.0
R10BEQ500	19339	17.88	31.22	0.0	100.0
R11BEQ500	18314	16.73	30.20	0.0	100.0
R12BEQ500	16778	18.47	31.32	0.0	100.0
R13BEQ500	18890	18.57	31.52	0.0	100.0
R14BEQ500	15604	19.56	32.27	0.0	100.0
R15BEQ500	14025	21.15	33.41	0.0	100.0
R16BEQ500	14265	24.55	35.56	0.0	100.0
S6BEQ500	9643	19.87	33.05	0.0	100.0
S7BEQ500	11167	20.21	33.05	0.0	100.0
S8BEQ500	10257	24.66	36.03	0.0	100.0
S9BEQ500	9359	23.98	35.55	0.0	100.0
S10BEQ500	11975	20.98	32.80	0.0	100.0
S11BEQ500	11261	19.69	31.75	0.0	100.0
S12BEQ500	9980	21.82	32.91	0.0	100.0
S13BEQ500	10726	22.01	33.02	0.0	100.0
S14BEQ500	8567	23.22	33.84	0.0	100.0
S15BEQ500	7604	25.29	35.08	0.0	100.0
S16BEQ500	7132	30.38	37.42	0.0	100.0
R2BEQANY	6594	53.42	42.09	0.0	100.0
R3BEQANY	12146	66.13	42.15	0.0	100.0
R4BEQANY	12128	76.89	40.69	0.0	100.0
R5BEQANY	10523	78.22	40.12	0.0	100.0
R6BEQANY	9567	78.36	40.03	0.0	100.0
R7BEQANY	10280	75.75	41.68	0.0	100.0
R8BEQANY	10361	77.20	41.07	0.0	100.0
R9BEQANY	9334	77.34	40.91	0.0	100.0
R10BEQANY	10452	71.36	43.98	0.0	100.0
R11BEQANY	9590	70.67	44.34	0.0	100.0
R12BEQANY	8614	71.02	44.11	0.0	100.0
R13BEQANY	9979	70.13	44.43	0.0	100.0
R14BEQANY	8276	69.88	44.59	0.0	100.0
R15BEQANY	7488	73.49	43.00	0.0	100.0
R16BEQANY	8157	74.13	42.70	0.0	100.0
S2BEQANY	3564	60.34	40.20	0.0	100.0
S3BEQANY	7825	74.16	38.42	0.0	100.0
S4BEQANY	7755	84.62	34.67	0.0	100.0
S5BEQANY	6678	86.14	33.35	0.0	100.0
S6BEQANY	6023	86.25	33.34	0.0	100.0
S7BEQANY	6448	83.86	35.68	0.0	100.0
S8BEQANY	6516	85.34	34.57	0.0	100.0
S9BEQANY	5663	86.09	33.73	0.0	100.0
S10BEQANY	6154	79.18	39.55	0.0	100.0
S11BEQANY	5586	78.36	40.06	0.0	100.0
S12BEQANY	4857	79.22	39.56	0.0	100.0
S13BEQANY	5379	77.76	40.35	0.0	100.0
S14BEQANY	4359	77.63	40.55	0.0	100.0
S15BEQANY	3952	81.34	37.98	0.0	100.0
S16BEQANY	3996	82.07	37.46	0.0	100.0

Categorical Variable Codes

R1BEQLRG: R Prob leave sizable bequest

Value	w1
.D=DK	67
.M=Oth missing	95
.R=RF	122
1.Yes,definitely	1564
2.Yes,probably	1998
3.Yes,possibly	1934
4.Probably not	3329
5.No,definitely	3543

S1BEQLRG: S Prob leave sizable bequest

Value	w1
.D=DK	52
.R=RF	70
.U=Unmarried	2373
.V=Spouse NR	379
1.Yes,definitely	1254
2.Yes,probably	1708
3.Yes,possibly	1574
4.Probably not	2700
5.No,definitely	2542

How Constructed

R1BEQLRG is the Respondent's self-reported probability of leaving a large bequest. In Wave 1, the Respondent is asked to rate on a 5-point scale whether they expect to leave a "large" bequest. R1BEQLRG is simply recoded for missings.

Beginning in Wave 2, the Respondent is asked to give the probability that they will leave a bequest of $10,000 or more (RwBEQ10K). If the probability is greater than zero, they are asked for the probability of leaving a bequest of $100,000 or more (RwBEQ100). If that probability is greater than zero, beginning in Wave 6, they are asked for the probability of leaving a bequest of $500,000 or more (RwBEQ500). In Wave 3H, and from Wave 4 forward an additional question is asked if Respondent gives a zero probability to the first question. Respondent is asked for the probability of leaving any bequest (RwBEQANY).

In Wave 2A and 3A, Respondent is asked for the probability of leaving any bequest before being asked the subsequent 10K and 100K questions.

In Wave 2A and from Wave 3 forward, probabilities are given on a 0-100 scale. They are simply recoded for missings, and set to .S if the interview is by proxy. If Respondent reports a 0 probability of leaving a $10,000 bequest then RwBEQ100 is set to zero. If Respondent reports a non-zero probability of leaving a $10,000 request, the "any" bequest variable in waves 3H and from Wave 4 forward is skipped. In this case, RwBEQANY is set to .Y (skipped/asked 10K) unless it is 100 percent chance.

In Waves 2A and 3A, if Respondent reports a zero probability of leaving an "any" bequest variable then the 10K and 100K questions are skipped. In these cases RwBEQ10K and RwBEQ100 are set to zero.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's R1BEQLRG, RwBEQ10K, RwBEQ100, RwBEQ500 and RwBEQANY.

In Wave 2H, the data needed to derive R2BEQANY are not collected. R2BEQANY is set to .Q to indicate that this information is not available for HRS Respondents in this wave.

Cross Wave Differences in Original HRS Data

In Wave 1 the question is at the end of Section M (Net worth other than housing) and asks: "Do you [and your (spouse/partner)] expect to leave a sizeable inheritance to your heirs?" The answers are given in a 5-point scale from 1=Yes, definitely to 5=No, definitely not. This is captured in R1BEQLRG, which is only available in Wave 1.

In Wave 2H two questions are asked in the Cognition section:

1) "And what are the chances that you [or your (husband/wife/partner)] will leave an inheritance totalling $10,000 or more?"

2) "What are the chances that you [or your (husband/wife/partner)] will leave an inheritance totalling $100,000 or more."

Answers are given as a 0-100 probability. The second question is skipped if the answer to the first is 0=absolutely no chance.

In Wave 3H the same two questions are asked in the Expectations section, and if Respondent responds "absolutely no chance" to the first, another is asked:

3) "What are the chances that you (and your (spouse/partner)) will leave any inheritance?"

In Wave 2A and 3A three questions are asked in the Expectations section:

1) "What are the chances that you [or your (husband/wife/partner)] will leave any inheritance?"

2) "And what are the chances that you [or your (husband/wife/partner)] will leave an inheritance totalling $10,000 or more?"

3) "What are the chances that you [or your (husband/wife/partner)] will leave an inheritance totalling $100,000 or more?"

Answers are given as a 0-100 probability. The second or third question is skipped if the answer to the previous is 0=absolutely no chance or .S. The third question is also skipped if probability given to the second question is 30 percent or less.

From Wave 4 to Wave 7, the questions are also asked in the Expectations section, and the first question wording is slightly different:

1) "Including property and other valuables that you might own, what are the chances that you [and your (husband/wife/partner)] will leave an inheritance totalling $10,000 or more?"

From Wave 6 forward, an additional question is asked:

"What are the chances that you [or your (husband/wife/partner)] will leave an inheritance totalling $500,000 or more?"

From Wave 8 forward, the question is prefaced by the following:

"Think about an inheritance you (and your (husband/wife/partner) might leave (but not including any inheritance you might leave to each other)."

In Waves 4 to 7, the second and third questions are the same as in Wave 3H. From Wave 8 forward, the second and third

questions are the same, except that they are prefaced by the word "And."

From Wave 2 forward, these questions are skipped if the interview is by proxy.

For HRS Respondents in Wave 2H, the information for R2BEQANY is not available.

HRS Variables Used

```
HRS 1992:
    V5349           M44:WILL LEAV LRG INHERT
AHEAD 1993:
    B1277           H3. EXPECT LEAVE INHERITANCE
    B1279           H3a. EXPECT LEAVE AT LEAST $10K
    B1280           H3b. EXPECT LEAVE AT LEAST $100K
HRS 1994:
    W5843           C10.CHANCE LEAVE INHERIT
    W5844           C10a.CHANCE LEAVE INHERI
AHEAD 1995:
    D3796           H7.EXP:LEAVE INHERIT
    D3797           H7A.EXP:LEAVE-$20K
    D3798           H7B.EXP:LEAVE-$100K
HRS 1996:
    E3824           H11. LEAVE INHERIT. 10K
    E3825           H11A. LEAVE INHERIT. 100K
    E3826           H11B.LEAVE ANY INHERIT
HRS 1998:
    F4572           H2. LEAVE INHERIT. 10K
    F4574           H2A. LEAVE INHERIT. 100K
    F4575           H2B. LEAVE ANY INHERIT
HRS 2000:
    G4985           H2. LEAVE INHERIT-10K
    G4987           H2A. LEAVE INHERIT-100K
    G4988           H2B. LEAVE ANY INHERIT
    G514            CS1A.PROXY/SELF INTERVIEW
HRS 2002-2022:
    xA009           PROXY/SELF INTERVIEW
    xP005           WILL R LEAVE INHERITANCE -  $10K
    xP006           WILL R LEAVE INHERITANCE - $100K
    xP007           WILL R LEAVE ANY INHERITANCE
    xP059           CHANCE R/SP LEAVE INHERIT OF $500K/MORE
```

Self-reported probability of working full-time after age 62

Wave	Variable	Label	Type
1	R1WORK62	R1WORK62:W1 R Prob working FT after 62	Cont
2	R2WORK62	R2WORK62:W2 R Prob working FT after 62	Cont
3	R3WORK62	R3WORK62:W3 R Prob working FT after 62	Cont
4	R4WORK62	R4WORK62:W4 R Prob working FT after 62	Cont
5	R5WORK62	R5WORK62:W5 R Prob working FT after 62	Cont
6	R6WORK62	R6WORK62:W6 R Prob working FT after 62	Cont
7	R7WORK62	R7WORK62:W7 R Prob working FT after 62	Cont
8	R8WORK62	R8WORK62:W8 R Prob working FT after 62	Cont
9	R9WORK62	R9WORK62:W9 R Prob working FT after 62	Cont
10	R10WORK62	R10WORK62:W10 R Prob working FT after 62	Cont
11	R11WORK62	R11WORK62:W11 R Prob working FT after 62	Cont
12	R12WORK62	R12WORK62:W12 R Prob working FT after 62	Cont
13	R13WORK62	R13WORK62:W13 R Prob working FT after 62	Cont
14	R14WORK62	R14WORK62:W14 R Prob working FT after 62	Cont
15	R15WORK62	R15WORK62:W15 R Prob working FT after 62	Cont
16	R16WORK62	R16WORK62:W16 R Prob working FT after 62	Cont
1	S1WORK62	S1WORK62:W1 S Prob working FT after 62	Cont
2	S2WORK62	S2WORK62:W2 S Prob working FT after 62	Cont
3	S3WORK62	S3WORK62:W3 S Prob working FT after 62	Cont
4	S4WORK62	S4WORK62:W4 S Prob working FT after 62	Cont
5	S5WORK62	S5WORK62:W5 S Prob working FT after 62	Cont
6	S6WORK62	S6WORK62:W6 S Prob working FT after 62	Cont
7	S7WORK62	S7WORK62:W7 S Prob working FT after 62	Cont
8	S8WORK62	S8WORK62:W8 S Prob working FT after 62	Cont
9	S9WORK62	S9WORK62:W9 S Prob working FT after 62	Cont
10	S10WORK62	S10WORK62:W10 S Prob working FT after 62	Cont
11	S11WORK62	S11WORK62:W11 S Prob working FT after 62	Cont
12	S12WORK62	S12WORK62:W12 S Prob working FT after 62	Cont
13	S13WORK62	S13WORK62:W13 S Prob working FT after 62	Cont
14	S14WORK62	S14WORK62:W14 S Prob working FT after 62	Cont
15	S15WORK62	S15WORK62:W15 S Prob working FT after 62	Cont
16	S16WORK62	S16WORK62:W16 S Prob working FT after 62	Cont
2	R2WORK62F	R2WORK62F:W2 Logical Skip Flag: P62	Categ
3	R3WORK62F	R3WORK62F:W3 Logical Skip Flag: P62	Categ
4	R4WORK62F	R4WORK62F:W4 Logical Skip Flag: P62	Categ
5	R5WORK62F	R5WORK62F:W5 Logical Skip Flag: P62	Categ
6	R6WORK62F	R6WORK62F:W6 Logical Skip Flag: P62	Categ
7	R7WORK62F	R7WORK62F:W7 Logical Skip Flag: P62	Categ
8	R8WORK62F	R8WORK62F:W8 Logical Skip Flag: P62	Categ
9	R9WORK62F	R9WORK62F:W9 Logical Skip Flag: P62	Categ
10	R10WORK62F	R10WORK62F:W10 Logical Skip Flag: P62	Categ
11	R11WORK62F	R11WORK62F:W11 Logical Skip Flag: P62	Categ
12	R12WORK62F	R12WORK62F:W12 Logical Skip Flag: P62	Categ
13	R13WORK62F	R13WORK62F:W13 Logical Skip Flag: P62	Categ
14	R14WORK62F	R14WORK62F:W14 Logical Skip Flag: P62	Categ
15	R15WORK62F	R15WORK62F:W15 Logical Skip Flag: P62	Categ
16	R16WORK62F	R16WORK62F:W16 Logical Skip Flag: P62	Categ
2	S2WORK62F	S2WORK62F:W2 Logical Skip Flag: P62	Categ
3	S3WORK62F	S3WORK62F:W3 Logical Skip Flag: P62	Categ
4	S4WORK62F	S4WORK62F:W4 Logical Skip Flag: P62	Categ
5	S5WORK62F	S5WORK62F:W5 Logical Skip Flag: P62	Categ
6	S6WORK62F	S6WORK62F:W6 Logical Skip Flag: P62	Categ
7	S7WORK62F	S7WORK62F:W7 Logical Skip Flag: P62	Categ
8	S8WORK62F	S8WORK62F:W8 Logical Skip Flag: P62	Categ
9	S9WORK62F	S9WORK62F:W9 Logical Skip Flag: P62	Categ
10	S10WORK62F	S10WORK62F:W10 Logical Skip Flag: P62	Categ
11	S11WORK62F	S11WORK62F:W11 Logical Skip Flag: P62	Categ
12	S12WORK62F	S12WORK62F:W12 Logical Skip Flag: P62	Categ
13	S13WORK62F	S13WORK62F:W13 Logical Skip Flag: P62	Categ
14	S14WORK62F	S14WORK62F:W14 Logical Skip Flag: P62	Categ
15	S15WORK62F	S15WORK62F:W15 Logical Skip Flag: P62	Categ
16	S16WORK62F	S16WORK62F:W16 Logical Skip Flag: P62	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WORK62	7943	47.36	39.27	0.0	100.0
R2WORK62	8646	34.04	38.24	0.0	100.0
R3WORK62	4629	46.42	40.21	0.0	100.0
R4WORK62	5408	46.59	39.43	0.0	100.0
R5WORK62	4270	50.66	39.18	0.0	100.0
R6WORK62	3178	51.65	38.67	0.0	100.0
R7WORK62	4496	51.27	36.28	0.0	100.0
R8WORK62	5189	40.85	38.36	0.0	100.0
R9WORK62	4375	45.61	39.72	0.0	100.0
R10WORK62	8919	42.94	37.57	0.0	100.0
R11WORK62	7616	42.19	37.32	0.0	100.0
R12WORK62	6183	42.16	37.70	0.0	100.0
R13WORK62	8620	44.21	38.00	0.0	100.0
R14WORK62	6253	44.92	38.51	0.0	100.0
R15WORK62	4623	43.95	38.62	0.0	100.0
R16WORK62	4802	46.06	39.61	0.0	100.0
S1WORK62	6203	46.28	39.07	0.0	100.0
S2WORK62	6434	33.14	37.71	0.0	100.0
S3WORK62	3502	43.82	39.77	0.0	100.0
S4WORK62	4056	44.52	38.90	0.0	100.0
S5WORK62	3274	48.72	39.06	0.0	100.0
S6WORK62	2420	49.93	38.45	0.0	100.0
S7WORK62	3350	49.99	36.04	0.0	100.0
S8WORK62	3818	41.28	38.07	0.0	100.0
S9WORK62	3149	45.88	39.29	0.0	100.0
S10WORK62	5818	44.07	37.03	0.0	100.0
S11WORK62	5053	43.79	36.89	0.0	100.0
S12WORK62	4054	43.59	37.04	0.0	100.0
S13WORK62	5148	45.65	37.49	0.0	100.0
S14WORK62	3627	46.54	38.06	0.0	100.0
S15WORK62	2643	44.71	37.97	0.0	100.0
S16WORK62	2466	47.66	39.21	0.0	100.0
R2WORK62F	19642	0.08	0.27	0.0	1.0
R3WORK62F	17991	0.00	0.01	0.0	1.0
R4WORK62F	21384	0.00	0.02	0.0	1.0
R5WORK62F	19578	0.00	0.01	0.0	1.0
R6WORK62F	18165	0.00	0.00	0.0	0.0
R7WORK62F	20129	0.00	0.01	0.0	1.0
R8WORK62F	18469	0.00	0.02	0.0	1.0
R9WORK62F	17217	0.04	0.18	0.0	1.0
R10WORK62F	22034	0.05	0.22	0.0	1.0
R11WORK62F	20554	0.05	0.22	0.0	1.0
R12WORK62F	18747	0.05	0.22	0.0	1.0
R13WORK62F	20912	0.06	0.23	0.0	1.0
R14WORK62F	17146	0.05	0.22	0.0	1.0
R15WORK62F	15723	0.05	0.21	0.0	1.0
R16WORK62F	15787	0.04	0.21	0.0	1.0
S2WORK62F	13090	0.08	0.27	0.0	1.0
S3WORK62F	11917	0.00	0.01	0.0	1.0
S4WORK62F	13980	0.00	0.02	0.0	1.0
S5WORK62F	12730	0.00	0.02	0.0	1.0
S6WORK62F	11639	0.00	0.00	0.0	0.0
S7WORK62F	12972	0.00	0.01	0.0	1.0

S8WORK62F	11735	0.00	0.02	0.0	1.0
S9WORK62F	10646	0.04	0.19	0.0	1.0
S10WORK62F	13513	0.04	0.21	0.0	1.0
S11WORK62F	12484	0.05	0.21	0.0	1.0
S12WORK62F	11012	0.04	0.21	0.0	1.0
S13WORK62F	11779	0.05	0.21	0.0	1.0
S14WORK62F	9358	0.05	0.21	0.0	1.0
S15WORK62F	8477	0.04	0.20	0.0	1.0
S16WORK62F	7840	0.04	0.19	0.0	1.0

Categorical Variable Codes

RwWORK62F: Logical Skip Flag: P62

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Responded or skipped for		18135	17990	21379	19575	18165	20128	18458	16610	20882
1.No chance of future work		1507	1	5	3		1	11	607	1152

Value	w11	w12	w13	w14	w15	w16
0.Responded or skipped for	19517	17825	19754	16232	15006	15091
1.No chance of future work	1037	922	1158	914	717	696

SwWORK62F: Logical Skip Flag: P62

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.Responded or skipped for		12043	11916	13975	12727	11639	12971	11731	10262	12913
1.No chance of future work		1047	1	5	3		1	4	384	600

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Responded or skipped for	11915	10525	11214	8920	8140	7537
1.No chance of future work	569	487	565	438	337	303

How Constructed

RwWORK62 is the Respondent's self-reported probability of working full-time after age 62. In Wave 1 the Respondent's self-reported probability of working full-time after age 62 is given on a 0-10 scale. This is multiplied by 10 to derive a 0-100 scale consistent with that reported in other waves.

If the Respondent answers "absolutely no chance" to a previous question about the chances of working in the future, the probability of working full-time after age 62 question is skipped but we set it to zero and the logical imputation flag RwWORK62F is set to 1.

Otherwise this variable simply recodes missing values.

RwWORK62 is set to .A if skipped because Respondent is already age 62. Note that the HRS documentation indicates that this question is asked of 62-year olds in Waves 4 to 6, but many of these cases are coded 996-already 62. In these waves RwWORK62 is

set to .A if age is over 62 or if age 62 with code 996. It is set to .W if the question is skipped because Respondent is not working, and to .S if skipped because the interview is by proxy. It is set to .X if the Respondent cannot perform the probability question. .D means Don't Know and .R means the Respondent refused to answer the question. If the HRS variable contains a valid probability it is assigned regardless of the Respondent's age, work status, or proxy status.

Respondents who had difficulty with the first few probabilities in the expectations module skip these questions and are coded as .X.

In Wave 2A and 3A, there are no comparable questions and so for AHEAD Respondents, the values are set to .Q, to indicate that no information is available.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwWORK62.

Cross Wave Differences in Original HRS Data

In Wave 1, the question is in the Employment section and asks: "Thinking about work generally and not just your present job, what do you think are the chances that you will be working full-time after you reach age 62?" It is skipped if Respondent is not currently working for pay.

In Wave 2H, the question is in the Cognition section and is skipped if the Respondent is not working for pay and says that there is no chance they will work for pay in the future. The question wording is the same as in Wave 1 if Respondent is currently working or believes they may work in the future. The phrase "Think about work generally and not just your present job" is dropped if Respondent is not working.

From Wave 3H forward, the question is asked in the Expectations section and the "Think about . . ." phrase is dropped if Respondent is self-employed. From Wave 3H to Wave 7, the question is skipped if Respondent is not currently working for pay. From Wave 8, the question is asked whether Respondent is working or not.

From Wave 2H forward, the question is skipped if the interview is by proxy. If Respondent answers "absolutely no chance" to a previous question about the chances of working in the future the question is also skipped.

From Waves 2H, 3H, and from Wave 7 forward, it is skipped if the Respondent is age 62 or older. In Waves 4 to 6, it is asked if the Respondent is age 62 and skipped if older than 62. For many of the age 62 Respondents in these waves the code 996 indicates that they are already 62.

In Wave 1, the answers range from 0=absolutely no chance to 10=absolutely certain. From Wave 2H forward, the answers range from 0=absolutely no chance to 100=absolutely certain.

In Wave 2A and 3A, there are no comparable questions and for AHEAD Respondents, the values are set to .Q, to indicate that no information is available.

In Wave 8, 722 Respondents reported zero to the probability of working in the future but then were asked the probability of working at age 62 in error. 710 reported zero to the probability of working until age 62. Therefore, the logical skip flag was not set for these cases. This accounts for the low means in R8WORK62F.

In Wave 9, 1400 Respondents are given an opportunity to change their response if they said there was a 0 or 100 percent probability they would be working at age 62. These follow-on questions ask if the Respondent is certain their answer is accurate and if not, asks for another estimate. We do not include these amended answers in RwWORK62 but these variables are available on the 2008 RAND HRS Fat File and the skip pattern can be found in the questionnaire on the HRS website.

In Wave 10, 3599 Respondents are given an opportunity to change their answer. The selection process is more complicated but again, we do not use this data in R10WORK62. These variables are available on the 2010 RAND HRS Fat Files and the skip pattern can be found in the questionnaire on the HRS website. So it is possible for someone to be missing RwWORK62 but have a value in

RwWORK65 due to changing their answer and getting asked the probability of working at age 65 question.

In Wave 11, the questionnaire reverts back to the questions asked in Wave 8. There is no opportunity to change an answer and the skip logic is applied correctly so the flag (R11WORK62F) is in line with other waves.

In Wave 15, due to a skip pattern error, some Respondents were not asked the R15WORK62 question and the subsequent probability of work questions. This results in a larger amount of .M missings in this wave.

HRS Variables Used

```
HRS 1992:
    V3208           F71:RATE:WRK FT AT AG 62
HRS 1994:
    W5803           CF103a.PROBABILITY WORK
    W5804           CFA104.PROB WORK FULL-TI
HRS 1996:
    E3790           H3A.LIKELIHOOD WORK IN FUTURE
    E3796           H4. WORK AFTER 62
HRS 1998:
    F4585           H6. WORK FUTURE
    F4589           H7. WORK AFTER 62
HRS 2000:
    G4998           H6. WORK FUTURE
    G5002           H7. WORK AFTER 62
HRS 2002-2022:
    xP016           LIKELIHOOD R WILL WORK FOR PAY
    xP017           LIKELIHOOD R WILL WORK AFTER AGE 62
```

Self-reported probability of working full-time after age 65

Wave	Variable	Label	Type
1	R1WORK65	R1WORK65:W1 R Prob working FT after 65	Cont
2	R2WORK65	R2WORK65:W2 R Prob working FT after 65	Cont
3	R3WORK65	R3WORK65:W3 R Prob working FT after 65	Cont
4	R4WORK65	R4WORK65:W4 R Prob working FT after 65	Cont
5	R5WORK65	R5WORK65:W5 R Prob working FT after 65	Cont
6	R6WORK65	R6WORK65:W6 R Prob working FT after 65	Cont
7	R7WORK65	R7WORK65:W7 R Prob working FT after 65	Cont
8	R8WORK65	R8WORK65:W8 R Prob working FT after 65	Cont
9	R9WORK65	R9WORK65:W9 R Prob working FT after 65	Cont
10	R10WORK65	R10WORK65:W10 R Prob working FT after 65	Cont
11	R11WORK65	R11WORK65:W11 R Prob working FT after 65	Cont
12	R12WORK65	R12WORK65:W12 R Prob working FT after 65	Cont
13	R13WORK65	R13WORK65:W13 R Prob working FT after 65	Cont
14	R14WORK65	R14WORK65:W14 R Prob working FT after 65	Cont
15	R15WORK65	R15WORK65:W15 R Prob working FT after 65	Cont
16	R16WORK65	R16WORK65:W16 R Prob working FT after 65	Cont
1	S1WORK65	S1WORK65:W1 S Prob working FT after 65	Cont
2	S2WORK65	S2WORK65:W2 S Prob working FT after 65	Cont
3	S3WORK65	S3WORK65:W3 S Prob working FT after 65	Cont
4	S4WORK65	S4WORK65:W4 S Prob working FT after 65	Cont
5	S5WORK65	S5WORK65:W5 S Prob working FT after 65	Cont
6	S6WORK65	S6WORK65:W6 S Prob working FT after 65	Cont
7	S7WORK65	S7WORK65:W7 S Prob working FT after 65	Cont
8	S8WORK65	S8WORK65:W8 S Prob working FT after 65	Cont
9	S9WORK65	S9WORK65:W9 S Prob working FT after 65	Cont
10	S10WORK65	S10WORK65:W10 S Prob working FT after 65	Cont
11	S11WORK65	S11WORK65:W11 S Prob working FT after 65	Cont
12	S12WORK65	S12WORK65:W12 S Prob working FT after 65	Cont
13	S13WORK65	S13WORK65:W13 S Prob working FT after 65	Cont
14	S14WORK65	S14WORK65:W14 S Prob working FT after 65	Cont
15	S15WORK65	S15WORK65:W15 S Prob working FT after 65	Cont
16	S16WORK65	S16WORK65:W16 S Prob working FT after 65	Cont
2	R2WORK65F	R2WORK65F:W2 Logical Skip Flag: P65	Categ
3	R3WORK65F	R3WORK65F:W3 Logical Skip Flag: P65	Categ
4	R4WORK65F	R4WORK65F:W4 Logical Skip Flag: P65	Categ
5	R5WORK65F	R5WORK65F:W5 Logical Skip Flag: P65	Categ
6	R6WORK65F	R6WORK65F:W6 Logical Skip Flag: P65	Categ
7	R7WORK65F	R7WORK65F:W7 Logical Skip Flag: P65	Categ
8	R8WORK65F	R8WORK65F:W8 Logical Skip Flag: P65	Categ
9	R9WORK65F	R9WORK65F:W9 Logical Skip Flag: P65	Categ
10	R10WORK65F	R10WORK65F:W10 Logical Skip Flag: P65	Categ
11	R11WORK65F	R11WORK65F:W11 Logical Skip Flag: P65	Categ
12	R12WORK65F	R12WORK65F:W12 Logical Skip Flag: P65	Categ
13	R13WORK65F	R13WORK65F:W13 Logical Skip Flag: P65	Categ
14	R14WORK65F	R14WORK65F:W14 Logical Skip Flag: P65	Categ
15	R15WORK65F	R15WORK65F:W15 Logical Skip Flag: P65	Categ
16	R16WORK65F	R16WORK65F:W16 Logical Skip Flag: P65	Categ
2	S2WORK65F	S2WORK65F:W2 Logical Skip Flag: P65	Categ
3	S3WORK65F	S3WORK65F:W3 Logical Skip Flag: P65	Categ
4	S4WORK65F	S4WORK65F:W4 Logical Skip Flag: P65	Categ
5	S5WORK65F	S5WORK65F:W5 Logical Skip Flag: P65	Categ
6	S6WORK65F	S6WORK65F:W6 Logical Skip Flag: P65	Categ
7	S7WORK65F	S7WORK65F:W7 Logical Skip Flag: P65	Categ
8	S8WORK65F	S8WORK65F:W8 Logical Skip Flag: P65	Categ
9	S9WORK65F	S9WORK65F:W9 Logical Skip Flag: P65	Categ
10	S10WORK65F	S10WORK65F:W10 Logical Skip Flag: P65	Categ
11	S11WORK65F	S11WORK65F:W11 Logical Skip Flag: P65	Categ
12	S12WORK65F	S12WORK65F:W12 Logical Skip Flag: P65	Categ
13	S13WORK65F	S13WORK65F:W13 Logical Skip Flag: P65	Categ
14	S14WORK65F	S14WORK65F:W14 Logical Skip Flag: P65	Categ
15	S15WORK65F	S15WORK65F:W15 Logical Skip Flag: P65	Categ
16	S16WORK65F	S16WORK65F:W16 Logical Skip Flag: P65	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WORK65	8133	26.57	34.13	0.0	100.0
R2WORK65	9366	17.26	29.06	0.0	100.0
R3WORK65	4674	26.08	33.90	0.0	100.0
R4WORK65	5427	26.26	33.53	0.0	100.0
R5WORK65	4353	29.53	34.16	0.0	100.0
R6WORK65	3233	29.99	33.75	0.0	100.0
R7WORK65	5271	34.08	34.73	0.0	100.0
R8WORK65	6641	25.41	33.43	0.0	100.0
R9WORK65	5492	29.42	34.90	0.0	100.0
R10WORK65	10252	29.33	33.93	0.0	100.0
R11WORK65	9283	28.41	33.49	0.0	100.0
R12WORK65	7954	28.48	34.00	0.0	100.0
R13WORK65	10410	30.13	34.27	0.0	100.0
R14WORK65	7849	31.04	35.17	0.0	100.0
R15WORK65	5659	29.78	34.96	0.0	100.0
R16WORK65	6502	31.81	36.10	0.0	100.0
S1WORK65	6397	25.49	33.44	0.0	100.0
S2WORK65	6944	16.68	28.41	0.0	100.0
S3WORK65	3528	23.96	32.60	0.0	100.0
S4WORK65	4066	24.87	32.59	0.0	100.0
S5WORK65	3332	27.87	33.30	0.0	100.0
S6WORK65	2460	28.47	32.87	0.0	100.0
S7WORK65	3892	32.80	34.21	0.0	100.0
S8WORK65	4862	25.05	32.85	0.0	100.0
S9WORK65	3940	29.32	34.38	0.0	100.0
S10WORK65	6731	29.82	33.55	0.0	100.0
S11WORK65	6102	29.03	33.15	0.0	100.0
S12WORK65	5111	28.95	33.41	0.0	100.0
S13WORK65	6226	31.04	34.11	0.0	100.0
S14WORK65	4528	31.65	34.79	0.0	100.0
S15WORK65	3196	29.52	34.45	0.0	100.0
S16WORK65	3317	32.92	35.97	0.0	100.0
R2WORK65F	19642	0.22	0.41	0.0	1.0
R3WORK65F	17991	0.08	0.26	0.0	1.0
R4WORK65F	21384	0.07	0.25	0.0	1.0
R5WORK65F	19578	0.05	0.22	0.0	1.0
R6WORK65F	18165	0.03	0.18	0.0	1.0
R7WORK65F	20129	0.04	0.19	0.0	1.0
R8WORK65F	18469	0.09	0.28	0.0	1.0
R9WORK65F	17217	0.08	0.28	0.0	1.0
R10WORK65F	22034	0.11	0.31	0.0	1.0
R11WORK65F	20554	0.12	0.33	0.0	1.0
R12WORK65F	18747	0.12	0.33	0.0	1.0
R13WORK65F	20912	0.13	0.34	0.0	1.0
R14WORK65F	17146	0.12	0.32	0.0	1.0
R15WORK65F	15723	0.11	0.31	0.0	1.0
R16WORK65F	15787	0.11	0.32	0.0	1.0
S2WORK65F	13090	0.24	0.43	0.0	1.0
S3WORK65F	11917	0.09	0.29	0.0	1.0
S4WORK65F	13980	0.08	0.27	0.0	1.0
S5WORK65F	12730	0.06	0.24	0.0	1.0
S6WORK65F	11639	0.04	0.20	0.0	1.0
S7WORK65F	12972	0.04	0.20	0.0	1.0

S8WORK65F	11735	0.09	0.29	0.0	1.0
S9WORK65F	10646	0.09	0.29	0.0	1.0
S10WORK65F	13513	0.10	0.30	0.0	1.0
S11WORK65F	12484	0.12	0.32	0.0	1.0
S12WORK65F	11012	0.12	0.32	0.0	1.0
S13WORK65F	11779	0.12	0.33	0.0	1.0
S14WORK65F	9358	0.11	0.32	0.0	1.0
S15WORK65F	8477	0.10	0.30	0.0	1.0
S16WORK65F	7840	0.10	0.31	0.0	1.0

Categorical Variable Codes

RwWORK65F: Logical Skip Flag: P65

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Responded or skipped for		15408	16626	19939	18609	17540	19397	16895	15775	19703
1.No chance of future work		4234	1365	1445	969	625	732	1574	1442	2331

Value	w11	w12	w13	w14	w15	w16
0.Responded or skipped for	18049	16493	18158	15095	14070	14021
1.No chance of future work	2505	2254	2754	2051	1653	1766

SwWORK65F: Logical Skip Flag: P65

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.Responded or skipped for		9956	10819	12857	11946	11147	12418	10624	9688	12159
1.No chance of future work		3134	1098	1123	784	492	554	1111	958	1354

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Responded or skipped for	11012	9728	10314	8290	7617	7019
1.No chance of future work	1472	1284	1465	1068	860	821

How Constructed

RwWORK65 is the Respondent's self-reported probability of working full-time after age 65. In Wave 1 the Respondent's self-reported probability of working full-time after age 65 is given on a 0-10 scale. This is multiplied by 10 to derive a 0-100 scale consistent with that reported in other waves.

If the Respondent answers "absolutely no chance" to a previous question about the chances of working in the future, the probability of working full-time after age 65 question is skipped but we set it to zero and the logical imputation flag RwWORK65F is set to 1.

If the Respondent reports 0 probability of working full-time after age 62 then the probability of working full-time after age 65 is also set to zero and the logical imputation flag RwWORK65F is set to 1. Otherwise this variable simply recodes missing values.

RwWORK65 is set to .A if skipped because Respondent is already age 65. It is set to .W if skipped because Respondent is not working, and to .S if skipped because the interview is by proxy. It is set to .X if the Respondent cannot perform the probability question.

.D means "Don't Know" and .R means the "Respondent refused to answer the question." If the HRS variable contains a valid probability it is assigned regardless of the Respondent's age, work status, or proxy status.

Note that most 62-65 year-olds have missing values for this variable from Wave 2 through Wave 6. This is because of discrepancies between the skip patterns as described in the documentation and those actually found in the data.

In Wave 2A and 3A, there are no comparable questions and so for AHEAD Respondents, the values are set to .Q, to indicate that no information is available.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwWORK65.

Cross Wave Differences in Original HRS Data

In Wave 1, the question is in the Employment section. In Wave 2H it is in the Cognitions section, and thereafter it is in the Expectations section. In all waves, it is preceded by one asking the chances of working after age 62 and has the same wording. The question asks: "And what about the chances that you will be working full-time after you reach age 65?" In all waves it is skipped if Respondent responds "absolutely no chance" to the preceding age 62 question.

In Wave 1 and from Wave 3H to Wave 7, the question is skipped if Respondent is not currently working for pay. In Wave 2H, it is skipped if the Respondent is not working for pay and answers "absolutely no chance" to a previous question about the chances of working in the future. In Wave 8 it is asked whether Respondent is working or not. From Wave 2H forward it is skipped if the interview is by proxy.

From Wave 2H forward, the question is skipped if Respondent answers "absolutely no chance" to a previous question about the chances of working in the future. The documentation indicates that question is skipped if the Respondent is already age 65. However it appears from the data that most Respondents age 63 or older in Wave 2H skip this question. From Wave 3H to Wave 6 it appears that most Respondents age 62 or older skip this question, that is, most Respondents who skipped the preceding age 62 question also skip this one. This appears to have been corrected in Wave 7.

In Wave 1, the answers range from 0=absolutely no chance to 10=absolutely certain. From Wave 2H forward, the answers range from 0=absolutely no chance to 100=absolutely certain.

In Wave 2A and 3A, there are no comparable questions and so for AHEAD Respondents, the values are set to .Q, to indicate that no information is available.

In Wave 15, due to various skip pattern errors, some Respondents were not asked the R15WORK65 question and the subsequent probability of work questions. This results in a larger amount of .M missings in this wave. In early interview months (March, April, and May 2020 especially), Respondents erroneously skipped this question if they were ages 62-64 or if they were currently working for pay.

HRS Variables Used

```
HRS 1992:
    V3208           F71:RATE:WRK FT AT AG 62
    V3209           F72:RATE:WRK FT AT AG 65
HRS 1994:
    W5805           CFA105.PROB WORK FULL-TI
HRS 1996:
    E3797           H5. WORK AFTER 65
HRS 1998:
    F4590           H8. WORK AFTER 65
HRS 2000:
    G5003           H8. WORK AFTER 65
HRS 2002-2022:
    xA009           PROXY/SELF INTERVIEW
```

xP018 LIKELIHOOD R WILL WORK AFTER AGE 65

Self-reported probability of working after age 70

Wave	Variable	Label	Type
11	R11WORK70	R11WORK70:W11 R Prob working FT after 70	Cont
12	R12WORK70	R12WORK70:W12 R Prob working FT after 70	Cont
13	R13WORK70	R13WORK70:W13 R Prob working FT after 70	Cont
14	R14WORK70	R14WORK70:W14 R Prob working FT after 70	Cont
15	R15WORK70	R15WORK70:W15 R Prob working FT after 70	Cont
16	R16WORK70	R16WORK70:W16 R Prob working FT after 70	Cont
11	S11WORK70	S11WORK70:W11 S Prob working FT after 70	Cont
12	S12WORK70	S12WORK70:W12 S Prob working FT after 70	Cont
13	S13WORK70	S13WORK70:W13 S Prob working FT after 70	Cont
14	S14WORK70	S14WORK70:W14 S Prob working FT after 70	Cont
15	S15WORK70	S15WORK70:W15 S Prob working FT after 70	Cont
16	S16WORK70	S16WORK70:W16 S Prob working FT after 70	Cont
11	R11WORK70F	R11WORK70F:W11 Logical Skip Flag: P70	Categ
12	R12WORK70F	R12WORK70F:W12 Logical Skip Flag: P70	Categ
13	R13WORK70F	R13WORK70F:W13 Logical Skip Flag: P70	Categ
14	R14WORK70F	R14WORK70F:W14 Logical Skip Flag: P70	Categ
15	R15WORK70F	R15WORK70F:W15 Logical Skip Flag: P70	Categ
16	R16WORK70F	R16WORK70F:W16 Logical Skip Flag: P70	Categ
11	S11WORK70F	S11WORK70F:W11 Logical Skip Flag: P70	Categ
12	S12WORK70F	S12WORK70F:W12 Logical Skip Flag: P70	Categ
13	S13WORK70F	S13WORK70F:W13 Logical Skip Flag: P70	Categ
14	S14WORK70F	S14WORK70F:W14 Logical Skip Flag: P70	Categ
15	S15WORK70F	S15WORK70F:W15 Logical Skip Flag: P70	Categ
16	S16WORK70F	S16WORK70F:W16 Logical Skip Flag: P70	Categ
11	R11WORK70A	R11WORK70A:W11 R Prob working at all after 70	Cont
12	R12WORK70A	R12WORK70A:W12 R Prob working at all after 70	Cont
13	R13WORK70A	R13WORK70A:W13 R Prob working at all after 70	Cont
14	R14WORK70A	R14WORK70A:W14 R Prob working at all after 70	Cont
15	R15WORK70A	R15WORK70A:W15 R Prob working at all after 70	Cont
16	R16WORK70A	R16WORK70A:W16 R Prob working at all after 70	Cont
11	S11WORK70A	S11WORK70A:W11 S Prob working at all after 70	Cont
12	S12WORK70A	S12WORK70A:W12 S Prob working at all after 70	Cont
13	S13WORK70A	S13WORK70A:W13 S Prob working at all after 70	Cont
14	S14WORK70A	S14WORK70A:W14 S Prob working at all after 70	Cont
15	S15WORK70A	S15WORK70A:W15 S Prob working at all after 70	Cont
16	S16WORK70A	S16WORK70A:W16 S Prob working at all after 70	Cont
11	R11WORK70AF	R11WORK70AF:W11 Logical Skip Flag: P70A	Categ
12	R12WORK70AF	R12WORK70AF:W12 Logical Skip Flag: P70A	Categ
13	R13WORK70AF	R13WORK70AF:W13 Logical Skip Flag: P70A	Categ
14	R14WORK70AF	R14WORK70AF:W14 Logical Skip Flag: P70A	Categ
15	R15WORK70AF	R15WORK70AF:W15 Logical Skip Flag: P70A	Categ
16	R16WORK70AF	R16WORK70AF:W16 Logical Skip Flag: P70A	Categ
11	S11WORK70AF	S11WORK70AF:W11 Logical Skip Flag: P70A	Categ
12	S12WORK70AF	S12WORK70AF:W12 Logical Skip Flag: P70A	Categ
13	S13WORK70AF	S13WORK70AF:W13 Logical Skip Flag: P70A	Categ
14	S14WORK70AF	S14WORK70AF:W14 Logical Skip Flag: P70A	Categ
15	S15WORK70AF	S15WORK70AF:W15 Logical Skip Flag: P70A	Categ
16	S16WORK70AF	S16WORK70AF:W16 Logical Skip Flag: P70A	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R11WORK70	11319	10.51	21.18	0.0	100.0

R12WORK70	10112	10.59	21.43	0.0	100.0
R13WORK70	12893	11.45	22.24	0.0	100.0
R14WORK70	9443	11.45	22.12	0.0	100.0
R15WORK70	7736	10.31	21.36	0.0	100.0
R16WORK70	8868	11.44	22.68	0.0	100.0
S11WORK70	7536	10.57	20.93	0.0	100.0
S12WORK70	6525	10.40	20.74	0.0	100.0
S13WORK70	7717	11.55	21.94	0.0	100.0
S14WORK70	5411	11.40	21.68	0.0	100.0
S15WORK70	4393	9.73	20.44	0.0	100.0
S16WORK70	4565	11.39	22.36	0.0	100.0
R11WORK70F	20554	0.28	0.45	0.0	1.0
R12WORK70F	18747	0.28	0.45	0.0	1.0
R13WORK70F	20912	0.32	0.47	0.0	1.0
R14WORK70F	17146	0.29	0.45	0.0	1.0
R15WORK70F	15723	0.27	0.44	0.0	1.0
R16WORK70F	15787	0.29	0.45	0.0	1.0
S11WORK70F	12484	0.29	0.46	0.0	1.0
S12WORK70F	11012	0.29	0.45	0.0	1.0
S13WORK70F	11779	0.32	0.47	0.0	1.0
S14WORK70F	9358	0.28	0.45	0.0	1.0
S15WORK70F	8477	0.27	0.45	0.0	1.0
S16WORK70F	7840	0.29	0.45	0.0	1.0
R11WORK70A	11342	18.94	27.58	0.0	100.0
R12WORK70A	10138	18.91	28.01	0.0	100.0
R13WORK70A	12910	19.83	28.64	0.0	100.0
R14WORK70A	8390	21.75	29.32	0.0	100.0
R15WORK70A	7447	20.46	28.61	0.0	100.0
R16WORK70A	8122	21.34	29.47	0.0	100.0
S11WORK70A	7550	19.42	27.55	0.0	100.0
S12WORK70A	6544	19.03	27.40	0.0	100.0
S13WORK70A	7726	20.08	28.32	0.0	100.0
S14WORK70A	4794	21.94	28.91	0.0	100.0
S15WORK70A	4241	20.63	28.27	0.0	100.0
S16WORK70A	4186	21.49	29.08	0.0	100.0
R11WORK70AF	20554	0.11	0.31	0.0	1.0
R12WORK70AF	18747	0.12	0.33	0.0	1.0
R13WORK70AF	20912	0.13	0.33	0.0	1.0
R14WORK70AF	17146	0.13	0.34	0.0	1.0
R15WORK70AF	15723	0.13	0.34	0.0	1.0
R16WORK70AF	15787	0.13	0.34	0.0	1.0
S11WORK70AF	12484	0.11	0.31	0.0	1.0
S12WORK70AF	11012	0.12	0.32	0.0	1.0
S13WORK70AF	11779	0.12	0.32	0.0	1.0
S14WORK70AF	9358	0.12	0.32	0.0	1.0
S15WORK70AF	8477	0.12	0.33	0.0	1.0
S16WORK70AF	7840	0.13	0.33	0.0	1.0

Categorical Variable Codes

RwWORK70F: Logical Skip Flag: P70

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Responded or skipped for										
1.No chance of future work										

Value	w11	w12	w13	w14	w15	w16
0.Responded or skipped for	14722	13506	14284	12236	11527	11172
1.No chance of future work	5832	5241	6628	4910	4196	4615

SwWORK70F: Logical Skip Flag: P70

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried										
.V=Spouse NR										
0.Responded or skipped for										
1.No chance of future work										

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Responded or skipped for	8806	7820	8005	6698	6154	5588
1.No chance of future work	3678	3192	3774	2660	2323	2252

RwWORK70AF: Logical Skip Flag: P70A

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Responded or skipped for										
1.No chance of future work										

Value	w11	w12	w13	w14	w15	w16
0.Responded or skipped for	18264	16449	18289	14935	13686	13696
1.No chance of future work	2290	2298	2623	2211	2037	2091

SwWORK70AF: Logical Skip Flag: P70A

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried										
.V=Spouse NR										
0.Responded or skipped for										
1.No chance of future work										

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Responded or skipped for	11117	9703	10407	8246	7431	6854
1.No chance of future work	1367	1309	1372	1112	1046	986

How Constructed

RwWORK70 is the Respondent's self-reported probability of working full time after age 70. RwWORK70A is the Respondent's self-reported probability of working at all after age 70. RwWORK70F and RwWORK70AF are their logical skip flags, respectively. SwWORK70, SwWORK70A, SwWORK70F, and SwWORKAF provide the information for the Respondent's spouse or partner. These variables are available beginning in Wave 11.

If the Respondent answers "absolutely no chance" to a previous question about the chances of working in the future, the probability of working full-time (RwWORK70) or at all (RwWORK70A) after age 70 questions are skipped but we set them to zero and the logical imputation flags RwWORK70F and RwWORK70AF are set to 1.

If the Respondent reports 0 probability of working full-time after age 62 or 65 or at all after 70, then the probability of working full-time after age 70 (RwWORK70) is also set to zero and the logical imputation flag RwWORK70F is set to 1. Otherwise this variable simply recodes missing values.

RwWORK70 and RwWORK70A are set to .A if skipped because Respondent is already age 70. They are set to .S if skipped because the interview is by proxy. They are set to .X if the Respondent cannot perform the probability question. .D means "Don't Know" and .R means the "Respondent refused to answer the question." If the HRS variable contains a valid probability it is assigned regardless of the Respondent's age, work status, or proxy status.

The spouse variables are taken from the wave "w" spouse's self-report, i.e., from the spouse's RwWORK70, RwWORK70A, RwWORK70F, RwWORK70AF.

Cross Wave Differences in Original HRS Data

These questions are not available prior to Wave 11.

The Respondent is asked, "What are the chances that you will be doing any work for pay after you reach age 70?"

If the respondent provides a valid number over 0, the Respondent is then asked, "Thinking about work in general and not just your present job, what do you think the chances are that you will be working full-time after you reach age 70?"

The questions are skipped if the Respondent answers "absolutely no chance" to a previous question about the chances of working in the future. The questions are preceded by two asking the chances of working full time after age 62 and 65. The RwWORK70 question is skipped if Respondent responds "absolutely no chance" to the preceding age 62, 65, or work at all at 70 questions.

The questions are also skipped if the interview is by proxy or if the Respondent is already age 70.

The answers range from 0=absolutely no chance to 100=absolutely certain.

In Wave 15, due to various skip pattern errors, some Respondents were not asked the R15WORK65 question and the subsequent probability of work questions, including R15WORK70 and R15WORK70A. This results in a larger amount of .M missings in this wave. In early interview months (March, April, and May 2020 especially), Respondents erroneously skipped these questions if they were ages 62-64 or if they were currently working for pay.

HRS Variables Used

```
HRS 2012-2022:
    xP181           LIKELIHOOD R WILL DO ANY WORK AFTER AGE 70
    xP182           LIKELIHOOD R WILL WORK AFTER AGE 70
```

Self-reported probability of having a work limiting health problem in next 10 years

Wave	Variable	Label	Type
1	R1WORKLM	R1WORKLM:W1 R Prob health limiting work	Cont
2	R2WORKLM	R2WORKLM:W2 R Prob health limiting work	Cont
3	R3WORKLM	R3WORKLM:W3 R Prob health limiting work	Cont
4	R4WORKLM	R4WORKLM:W4 R Prob health limiting work	Cont
5	R5WORKLM	R5WORKLM:W5 R Prob health limiting work	Cont
6	R6WORKLM	R6WORKLM:W6 R Prob health limiting work	Cont
1	S1WORKLM	S1WORKLM:W1 S Prob health limiting work	Cont
2	S2WORKLM	S2WORKLM:W2 S Prob health limiting work	Cont
3	S3WORKLM	S3WORKLM:W3 S Prob health limiting work	Cont
4	S4WORKLM	S4WORKLM:W4 S Prob health limiting work	Cont
5	S5WORKLM	S5WORKLM:W5 S Prob health limiting work	Cont
6	S6WORKLM	S6WORKLM:W6 S Prob health limiting work	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WORKLM	8062	39.19	28.11	0.0	100.0
R2WORKLM	7814	36.62	28.39	0.0	100.0
R3WORKLM	5479	39.08	28.90	0.0	100.0
R4WORKLM	7239	39.19	28.22	0.0	100.0
R5WORKLM	6168	42.23	27.86	0.0	100.0
R6WORKLM	5232	42.84	28.15	0.0	100.0
S1WORKLM	6378	38.74	27.87	0.0	100.0
S2WORKLM	6024	36.16	27.98	0.0	100.0
S3WORKLM	4158	38.77	28.71	0.0	100.0
S4WORKLM	5311	38.85	27.81	0.0	100.0
S5WORKLM	4533	41.92	27.59	0.0	100.0
S6WORKLM	3809	42.22	27.71	0.0	100.0

How Constructed

RwWORKLM is the Respondent's self-reported probability of having a work limiting health problem in next 10 years. In Wave 1, Respondent's self-reported probability of health limiting work is given on a 0-10 scale. This is multiplied by 10 to derive a 0-100 scale consistent with that reported in other waves.

Otherwise this variable simply recodes missing values.

If Respondent's health already limits their work then this variable is set to .A. It is set to .W if skipped because Respondent is not working, and to .S if skipped because the interview is by proxy. If the HRS variable contains a valid probability it is assigned regardless of the Respondent's work or proxy status.

In Wave 2A and 3A, there are no comparable questions and so for AHEAD Respondents, the values are set to .Q, to indicate that no information is available.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwWORKLM.

The question is not asked from Wave 7 and forward.

Cross Wave Differences in Original HRS Data

In Wave 1, the question is in the Employment section. In Wave 2H it is in the Cognitions section, and thereafter it is in the Expectations section. The question is not asked from Wave 7 forward. The question wording is the same across all waves:

"What about the chances that your health will limit your work activity during the next 10 years?"

In Wave 1 and from Wave 3H forward, the question is skipped if Respondent is not currently working for pay. In Wave 2H, it is skipped if the Respondent is not working for pay and answers "absolutely no chance" to a previous question about the chances of working in the future. From Wave 2H forward it is skipped if the interview is by proxy.

In Wave 1, the answers range from 0=absolutely no chance to 10=absolutely certain. From Wave 2H forward, the answers range from 0=absolutely no chance to 100=absolutely certain. The Respondent may also indicate that a health problem already limits work.

In Wave 2A and 3A, there are no comparable questions and so for AHEAD Respondents, the values are set to .Q, to indicate that no information is available.

HRS Variables Used

```
HRS 1992:
    V3210           F73:RATE:HLTH WILL LMT W
HRS 1994:
    W5806           CFA106.PROB HEALTH LIMIT
HRS 1996:
    E3798           H6. HEALTH LIMIT WORK
HRS 1998:
    F4591           H9. HEALTH LIMIT WORK
HRS 2000:
    G5004           H9. HEALTH LIMIT WORK
    G514            CS1A.PROXY/SELF INTERVIEW
HRS 2002:
    HA009           PROXY/SELF INTERVIEW
    HP019           CHANCE HEALTH LIMIT ACTIVITY - NEXT 10YR
```

Self-reported probability of moving to nursing home in next 5 years

Wave	Variable	Label	Type
4	R4PNHM5Y	R4PNHM5Y:W4 R Prob moving to NHM in 5 yrs	Cont
5	R5PNHM5Y	R5PNHM5Y:W5 R Prob moving to NHM in 5 yrs	Cont
6	R6PNHM5Y	R6PNHM5Y:W6 R Prob moving to NHM in 5 yrs	Cont
7	R7PNHM5Y	R7PNHM5Y:W7 R Prob moving to NHM in 5 yrs	Cont
8	R8PNHM5Y	R8PNHM5Y:W8 R Prob moving to NHM in 5 yrs	Cont
9	R9PNHM5Y	R9PNHM5Y:W9 R Prob moving to NHM in 5 yrs	Cont
10	R10PNHM5Y	R10PNHM5Y:W10 R Prob moving to NHM in 5 yrs	Cont
11	R11PNHM5Y	R11PNHM5Y:W11 R Prob moving to NHM in 5 yrs	Cont
12	R12PNHM5Y	R12PNHM5Y:W12 R Prob moving to NHM in 5 yrs	Cont
13	R13PNHM5Y	R13PNHM5Y:W13 R Prob moving to NHM in 5 yrs	Cont
14	R14PNHM5Y	R14PNHM5Y:W14 R Prob moving to NHM in 5 yrs	Cont
15	R15PNHM5Y	R15PNHM5Y:W15 R Prob moving to NHM in 5 yrs	Cont
16	R16PNHM5Y	R16PNHM5Y:W16 R Prob moving to NHM in 5 yrs	Cont
4	S4PNHM5Y	S4PNHM5Y:W4 S Prob moving to NHM in 5 yrs	Cont
5	S5PNHM5Y	S5PNHM5Y:W5 S Prob moving to NHM in 5 yrs	Cont
6	S6PNHM5Y	S6PNHM5Y:W6 S Prob moving to NHM in 5 yrs	Cont
7	S7PNHM5Y	S7PNHM5Y:W7 S Prob moving to NHM in 5 yrs	Cont
8	S8PNHM5Y	S8PNHM5Y:W8 S Prob moving to NHM in 5 yrs	Cont
9	S9PNHM5Y	S9PNHM5Y:W9 S Prob moving to NHM in 5 yrs	Cont
10	S10PNHM5Y	S10PNHM5Y:W10 S Prob moving to NHM in 5 yrs	Cont
11	S11PNHM5Y	S11PNHM5Y:W11 S Prob moving to NHM in 5 yrs	Cont
12	S12PNHM5Y	S12PNHM5Y:W12 S Prob moving to NHM in 5 yrs	Cont
13	S13PNHM5Y	S13PNHM5Y:W13 S Prob moving to NHM in 5 yrs	Cont
14	S14PNHM5Y	S14PNHM5Y:W14 S Prob moving to NHM in 5 yrs	Cont
15	S15PNHM5Y	S15PNHM5Y:W15 S Prob moving to NHM in 5 yrs	Cont
16	S16PNHM5Y	S16PNHM5Y:W16 S Prob moving to NHM in 5 yrs	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R4PNHM5Y	8546	12.10	21.02	0.0	100.0
R5PNHM5Y	8163	14.03	21.99	0.0	100.0
R6PNHM5Y	8310	13.73	21.46	0.0	100.0
R7PNHM5Y	8795	13.86	21.49	0.0	100.0
R8PNHM5Y	9188	13.74	21.29	0.0	100.0
R9PNHM5Y	9408	14.73	21.67	0.0	100.0
R10PNHM5Y	9159	15.61	22.67	0.0	100.0
R11PNHM5Y	9046	16.81	23.33	0.0	100.0
R12PNHM5Y	8887	16.67	23.43	0.0	100.0
R13PNHM5Y	8585	16.45	23.34	0.0	100.0
R14PNHM5Y	7949	16.09	22.83	0.0	100.0
R15PNHM5Y	7859	15.58	22.14	0.0	100.0
R16PNHM5Y	8025	14.09	21.67	0.0	100.0
S4PNHM5Y	5107	11.09	19.44	0.0	100.0
S5PNHM5Y	4816	12.91	20.35	0.0	100.0
S6PNHM5Y	4897	12.84	20.11	0.0	100.0
S7PNHM5Y	5302	12.72	20.07	0.0	100.0
S8PNHM5Y	5435	12.79	19.69	0.0	100.0
S9PNHM5Y	5557	13.96	20.26	0.0	100.0
S10PNHM5Y	5383	14.73	20.91	0.0	100.0
S11PNHM5Y	5276	15.92	21.89	0.0	100.0
S12PNHM5Y	4975	15.81	21.77	0.0	100.0
S13PNHM5Y	4662	15.29	21.38	0.0	100.0

S14PNHM5Y	4192	14.97	20.65	0.0	100.0
S15PNHM5Y	4120	14.95	20.50	0.0	100.0
S16PNHM5Y	3980	13.49	20.21	0.0	100.0

How Constructed

RwPNHM5Y is the Respondent's self-reported probability of moving to nursing home in next 5 years. From Wave 4 forward, the question is only asked among those 65 and older.

SwPNHM5Y provides this information for the Respondent's spouse or partner.

RwPNHM5Y simply recodes for missing values. It is set to .N if skipped because Respondent is currently in nursing home. It is set to .S if the question is skipped because the interview is by proxy. It is set to .A if skipped because Respondent is younger than 65. It is set to .X if the Respondent can not perform the probability question. .D means Don't Know and .R means the Respondent refused to answer the question.

The spouse variable is taken from the wave "w" spouse's self-report.

Because this question is not asked or asked of the different samples in Waves 1 to 3, the measure is not included for these earlier waves at this time.

Cross Wave Differences in Original HRS Data

The question asks: "What is the percent chance that you will move to a nursing home in the next five years?" It is only asked among those aged 65 and older. For some of those younger than 65 who are not re-interviews, an alternate question wording asks for the probability of ever moving to a nursing home. This variable does NOT include answers to the alternate question asked of younger Respondents.

The question is not asked if Respondent is currently in nursing home, the interview is by proxy and if Respondent is younger than age 65.

This question is not asked at all in Wave 1, and is asked of varying samples in Waves 2 and 3. In Waves 2A and 3A it is asked of everyone. In Wave 2H it is asked of those 60 and older, and in Wave 3H it is asked of those 70 and older. The alternate question wording asked of younger Respondents appears in Wave 3H for those 60 to 69 years old.

HRS Variables Used

```
HRS 1998:
    F1014           R`S CUR AGE
    F4610           H14. MOVE TO NURSING HOME
    F517            CS11.R IN NURSING HOME
    F682            PREVIOUS WAVE INTERV
HRS 2000:
    G1101           A21Y1.R-CURRENT AGE
    G5023           H14. MOVE TO NURSING HOME
    G558            CS11.R IN NURSING HOME
    G753            CS22Y30.PREVIOUS WAVE INTERV
HRS 2002-2022:
    xA019           R CURRENT AGE CALCULATION
    xA028           R IN NURSING HOME
    xP032           PERCENT CHANCE R WILL MOVE TO NH IN 5YR
```

Retirement satisfaction

Wave	Variable	Label	Type
1	R1RETSAT	R1RETSAT:W1 Ret Satisfying	Categ
2	R2RETSAT	R2RETSAT:W2 Ret Satisfying	Categ
3	R3RETSAT	R3RETSAT:W3 Ret Satisfying	Categ
4	R4RETSAT	R4RETSAT:W4 Ret Satisfying	Categ
5	R5RETSAT	R5RETSAT:W5 Ret Satisfying	Categ
6	R6RETSAT	R6RETSAT:W6 Ret Satisfying	Categ
7	R7RETSAT	R7RETSAT:W7 Ret Satisfying	Categ
8	R8RETSAT	R8RETSAT:W8 Ret Satisfying	Categ
9	R9RETSAT	R9RETSAT:W9 Ret Satisfying	Categ
10	R10RETSAT	R10RETSAT:W10 Ret Satisfying	Categ
11	R11RETSAT	R11RETSAT:W11 Ret Satisfying	Categ
12	R12RETSAT	R12RETSAT:W12 Ret Satisfying	Categ
13	R13RETSAT	R13RETSAT:W13 Ret Satisfying	Categ
14	R14RETSAT	R14RETSAT:W14 Ret Satisfying	Categ
15	R15RETSAT	R15RETSAT:W15 Ret Satisfying	Categ
16	R16RETSAT	R16RETSAT:W16 Ret Satisfying	Categ
1	S1RETSAT	S1RETSAT:W1 Ret Satisfying	Categ
2	S2RETSAT	S2RETSAT:W2 Ret Satisfying	Categ
3	S3RETSAT	S3RETSAT:W3 Ret Satisfying	Categ
4	S4RETSAT	S4RETSAT:W4 Ret Satisfying	Categ
5	S5RETSAT	S5RETSAT:W5 Ret Satisfying	Categ
6	S6RETSAT	S6RETSAT:W6 Ret Satisfying	Categ
7	S7RETSAT	S7RETSAT:W7 Ret Satisfying	Categ
8	S8RETSAT	S8RETSAT:W8 Ret Satisfying	Categ
9	S9RETSAT	S9RETSAT:W9 Ret Satisfying	Categ
10	S10RETSAT	S10RETSAT:W10 Ret Satisfying	Categ
11	S11RETSAT	S11RETSAT:W11 Ret Satisfying	Categ
12	S12RETSAT	S12RETSAT:W12 Ret Satisfying	Categ
13	S13RETSAT	S13RETSAT:W13 Ret Satisfying	Categ
14	S14RETSAT	S14RETSAT:W14 Ret Satisfying	Categ
15	S15RETSAT	S15RETSAT:W15 Ret Satisfying	Categ
16	S16RETSAT	S16RETSAT:W16 Ret Satisfying	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETSAT	1787	1.76	0.77	1.0	3.0
R2RETSAT	2207	1.64	0.73	1.0	3.0
R3RETSAT	2890	1.55	0.68	1.0	3.0
R4RETSAT	7239	1.48	0.64	1.0	3.0
R5RETSAT	7289	1.47	0.63	1.0	3.0
R6RETSAT	6992	1.46	0.61	1.0	3.0
R7RETSAT	8324	1.54	0.65	1.0	3.0
R8RETSAT	8421	1.55	0.65	1.0	3.0
R9RETSAT	8230	1.54	0.64	1.0	3.0
R10RETSAT	9129	1.61	0.67	1.0	3.0
R11RETSAT	9128	1.62	0.67	1.0	3.0
R12RETSAT	9006	1.62	0.67	1.0	3.0
R13RETSAT	8917	1.64	0.67	1.0	3.0
R14RETSAT	8002	1.63	0.67	1.0	3.0
R15RETSAT	7643	1.59	0.65	1.0	3.0
R16RETSAT	7531	1.61	0.66	1.0	3.0
S1RETSAT	1418	1.67	0.73	1.0	3.0
S2RETSAT	1685	1.54	0.68	1.0	3.0
S3RETSAT	2187	1.48	0.64	1.0	3.0

S4RETSAT	4393	1.43	0.62	1.0	3.0
S5RETSAT	4551	1.42	0.61	1.0	3.0
S6RETSAT	4221	1.41	0.59	1.0	3.0
S7RETSAT	5016	1.48	0.64	1.0	3.0
S8RETSAT	5013	1.49	0.63	1.0	3.0
S9RETSAT	4748	1.47	0.61	1.0	3.0
S10RETSAT	5142	1.53	0.65	1.0	3.0
S11RETSAT	5085	1.55	0.65	1.0	3.0
S12RETSAT	4815	1.54	0.65	1.0	3.0
S13RETSAT	4622	1.56	0.65	1.0	3.0
S14RETSAT	4070	1.55	0.65	1.0	3.0
S15RETSAT	3899	1.51	0.62	1.0	3.0
S16RETSAT	3653	1.52	0.63	1.0	3.0

Categorical Variable Codes

RwRETSAT: Ret Satisfying

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	2	7	8	42	31	28	44	56	26	63
.I=Irrelevant	1257	839	4792	4320	3538	2787	2080	1958	1707	945
.J=Web interview, missing										
.M=Oth missing	2			9	48	24	163	113	127	123
.N=Not retired	8945	7638	6909	8421	7286	6293	8219	7039	6357	10947
.Q=Not asked this wv		8222								
.R=RF	13	1	3	5	4	5	5	6	5	5
.S=Skip, proxy IW	646	728	1457	1348	1382	2036	1294	876	765	822
.X=Retired over 2 yrs ago			1932							
1.Very	783	1134	1626	4356	4415	4238	4571	4517	4414	4546
2.Moderately	641	739	950	2313	2342	2313	3016	3163	3166	3602
3.Not at all	363	334	314	570	532	441	737	741	650	981

Value	w11	w12	w13	w14	w15	w16
.D=DK	81	96	79	61	69	56
.I=Irrelevant	735	434	480	438	416	294
.J=Web interview, missing				22	31	25
.M=Oth missing	177	154	190	173	104	121
.N=Not retired	9775	8483	10722	8110	7094	7437
.Q=Not asked this wv						
.R=RF	9	11	8	19	10	6
.S=Skip, proxy IW	649	563	516	321	356	317
.X=Retired over 2 yrs ago						
1.Very	4418	4379	4206	3854	3823	3691
2.Moderately	3721	3680	3741	3274	3115	3070
3.Not at all	989	947	970	874	705	770

SwRETSAT: Ret Satisfying

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	2	4	3	14	20	14	23	27	6	21
.I=Irrelevant	943	578	2412	2533	2058	1604	1198	1114	960	545
.J=Web interview, missing										
.M=Oth missing	1			5	33	11	41	34	39	39
.N=Not retired	6916	5804	5114	6077	5193	4428	5820	4990	4446	7246
.Q=Not asked this wv		4549								
.R=RF	6	1	1	1	1	2	1	2	1	3
.S=Skip, proxy IW	614	669	941	957	874	1359	873	555	446	517
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
.X=Retired over 2 yrs ago			1259							
1.Very	687	955	1323	2804	2923	2740	3001	2931	2795	2836
2.Moderately	513	545	687	1274	1326	1248	1628	1702	1651	1873
3.Not at all	218	185	177	315	302	233	387	380	302	433

Value	w11	w12	w13	w14	w15	w16
.D=DK	36	31	32	23	37	20
.I=Irrelevant	437	252	259	240	211	137
.J=Web interview, missing				11	10	8
.M=Oth missing	67	44	53	60	30	30
.N=Not retired	6471	5519	6507	4739	4057	3803
.Q=Not asked this wv						
.R=RF	5	9	4	7	4	2
.S=Skip, proxy IW	383	342	302	208	229	187
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.X=Retired over 2 yrs ago						
1.Very	2727	2624	2453	2199	2172	2035
2.Moderately	1914	1787	1770	1509	1453	1346
3.Not at all	444	404	399	362	274	272

How Constructed

RwRETSAT is the Respondent's self-report of retirement satisfaction. The question is asked if the Respondent is completely retired. SwRETSAT provides the information for the Respondent's spouse or partner.

RwRETSAT simply recodes for missing values. It is set to .N if Respondent is not retired. It is set to .I if the question is irrelevant because Respondent has not worked relatively recently. These cases correspond to those where RwSAYRET is coded 3.Question irrelevant. It is set to .S if the question is skipped because the interview is by proxy. In Wave 3A, when R3SAYRET is .A for probably retired, R3RETSAT is set to .I, and if the question is skipped because Respondent retired more than two years ago, it is set to .X.

The spouse variable is taken from the wave "w" spouse's self-report. If Respondent is not married, SwRETSAT is set to .U=unmarried. If Respondent's spouse did not respond then these are set to .V=Spouse is non-response.

Because this question is not asked in Wave 2A, the measure is not included at this time.

Cross Wave Differences in Original HRS Data

For all waves, the question is: "All in all, would you say that your retirement has turned out to be very satisfying, moderately satisfying, or not at all satisfying?"

The question is asked of everyone who says they are completely retired in RwSAYRET and where the interview is not by proxy. In Wave 3A, the question is also skipped if Respondent retired more than two years ago.

This question is not asked in Wave 2A.

HRS Variables Used

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HRS 1992:
    V4921           K9:SATISFIED W/RETIRMNT
HRS 1994:
    W3987           FA125.HOW SATISFIED WITH
    W4642           FB85.HOW SATISFIED WITH
    W5026           FC43.HOW SATISFIED WITH
AHEAD 1995:
    D3137           GA125.HOW SATISFIED
    D3495           GB85.HOW SATISFIED
    D3717           GC43.HOW SATISFIED
HRS 1996:
    E3045           G136.HOW SATISFIED WITH RETIREMENT
HRS 1998:
    F3576           G136.HOW SATISFIED WITH RETIREMENT
HRS 2000:
    G3865           G136.HOW SATISFIED WITH RETIREMENT
HRS 2002-2014:
    xJ584           HOW SATISFIED W/ RETIREMENT
HRS 2016-2022:
    xJ3584          HOW SATISFIED W/ RETIREMENT
```

Retirement years compared to years just before retirement

Wave	Variable	Label	Type
1	R1RYRCMP	R1RYRCMP:W1 Ret Yrs Compared to Before	Categ
2	R2RYRCMP	R2RYRCMP:W2 Ret Yrs Compared to Before	Categ
3	R3RYRCMP	R3RYRCMP:W3 Ret Yrs Compared to Before	Categ
4	R4RYRCMP	R4RYRCMP:W4 Ret Yrs Compared to Before	Categ
5	R5RYRCMP	R5RYRCMP:W5 Ret Yrs Compared to Before	Categ
6	R6RYRCMP	R6RYRCMP:W6 Ret Yrs Compared to Before	Categ
7	R7RYRCMP	R7RYRCMP:W7 Ret Yrs Compared to Before	Categ
8	R8RYRCMP	R8RYRCMP:W8 Ret Yrs Compared to Before	Categ
9	R9RYRCMP	R9RYRCMP:W9 Ret Yrs Compared to Before	Categ
10	R10RYRCMP	R10RYRCMP:W10 Ret Yrs Compared to Before	Categ
11	R11RYRCMP	R11RYRCMP:W11 Ret Yrs Compared to Before	Categ
12	R12RYRCMP	R12RYRCMP:W12 Ret Yrs Compared to Before	Categ
13	R13RYRCMP	R13RYRCMP:W13 Ret Yrs Compared to Before	Categ
14	R14RYRCMP	R14RYRCMP:W14 Ret Yrs Compared to Before	Categ
15	R15RYRCMP	R15RYRCMP:W15 Ret Yrs Compared to Before	Categ
16	R16RYRCMP	R16RYRCMP:W16 Ret Yrs Compared to Before	Categ
1	S1RYRCMP	S1RYRCMP:W1 Ret Yrs Compared to Before	Categ
2	S2RYRCMP	S2RYRCMP:W2 Ret Yrs Compared to Before	Categ
3	S3RYRCMP	S3RYRCMP:W3 Ret Yrs Compared to Before	Categ
4	S4RYRCMP	S4RYRCMP:W4 Ret Yrs Compared to Before	Categ
5	S5RYRCMP	S5RYRCMP:W5 Ret Yrs Compared to Before	Categ
6	S6RYRCMP	S6RYRCMP:W6 Ret Yrs Compared to Before	Categ
7	S7RYRCMP	S7RYRCMP:W7 Ret Yrs Compared to Before	Categ
8	S8RYRCMP	S8RYRCMP:W8 Ret Yrs Compared to Before	Categ
9	S9RYRCMP	S9RYRCMP:W9 Ret Yrs Compared to Before	Categ
10	S10RYRCMP	S10RYRCMP:W10 Ret Yrs Compared to Before	Categ
11	S11RYRCMP	S11RYRCMP:W11 Ret Yrs Compared to Before	Categ
12	S12RYRCMP	S12RYRCMP:W12 Ret Yrs Compared to Before	Categ
13	S13RYRCMP	S13RYRCMP:W13 Ret Yrs Compared to Before	Categ
14	S14RYRCMP	S14RYRCMP:W14 Ret Yrs Compared to Before	Categ
15	S15RYRCMP	S15RYRCMP:W15 Ret Yrs Compared to Before	Categ
16	S16RYRCMP	S16RYRCMP:W16 Ret Yrs Compared to Before	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RYRCMP	1653	2.84	1.67	1.0	5.0
R2RYRCMP	2088	2.56	1.63	1.0	5.0
R3RYRCMP	2727	2.43	1.55	1.0	5.0
R4RYRCMP	7052	2.41	1.49	1.0	5.0
R5RYRCMP	7115	2.32	1.49	1.0	5.0
R6RYRCMP	6809	2.37	1.46	1.0	5.0
R7RYRCMP	2224	2.46	1.51	1.0	5.0
R8RYRCMP	2025	2.51	1.49	1.0	5.0
R9RYRCMP	1808	2.41	1.49	1.0	5.0
R10RYRCMP	2529	2.72	1.55	1.0	5.0
R11RYRCMP	2456	2.76	1.55	1.0	5.0
R12RYRCMP	1843	2.52	1.48	1.0	5.0
R13RYRCMP	2082	2.67	1.53	1.0	5.0
R14RYRCMP	1854	2.59	1.54	1.0	5.0
R15RYRCMP	1674	2.46	1.47	1.0	5.0
R16RYRCMP	2315	2.50	1.50	1.0	5.0
S1RYRCMP	1305	2.67	1.63	1.0	5.0
S2RYRCMP	1596	2.38	1.58	1.0	5.0
S3RYRCMP	2065	2.29	1.49	1.0	5.0

S4RYRCMP	4255	2.28	1.46	1.0	5.0
S5RYRCMP	4442	2.20	1.46	1.0	5.0
S6RYRCMP	4099	2.25	1.42	1.0	5.0
S7RYRCMP	1455	2.33	1.47	1.0	5.0
S8RYRCMP	1324	2.39	1.46	1.0	5.0
S9RYRCMP	1160	2.24	1.43	1.0	5.0
S10RYRCMP	1547	2.57	1.50	1.0	5.0
S11RYRCMP	1518	2.59	1.51	1.0	5.0
S12RYRCMP	1131	2.41	1.44	1.0	5.0
S13RYRCMP	1181	2.50	1.48	1.0	5.0
S14RYRCMP	1041	2.38	1.49	1.0	5.0
S15RYRCMP	984	2.36	1.41	1.0	5.0
S16RYRCMP	1144	2.33	1.44	1.0	5.0

Categorical Variable Codes

RwRYRCMP: Ret Yrs Compared to Before

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	4	7	13	58	61	60	20	29	19	14
.I=Irrelevant	1257	839	4792	4320	3538	2787	2081	1958	1707	945
.J=Web interview, missing										
.M=Oth missing	2		2	9	48	24	56	109	124	141
.N=Not completely retired	8945	7638	6909	8421	7286	6293	8219	7039	6357	10947
.Q=Not asked this wv		8222								
.R=RF	13	1	5	5	5	8	4	2	1	3
.S=Skip, proxy IW	646	728	1457	1348	1382	2036	1802	1260	1140	1382
.W=Not working prev 2 wvs							5620	5907	5981	6006
.X=Retired over 2 ago			1932							
.Y=Retired lt 1 yr ago	132	119	154	171	143	148	103	140	80	67
1.Better	649	972	1319	3326	3575	3223	1017	875	846	958
3.About same	486	601	870	2493	2368	2509	795	774	652	964
5.Not as good	518	515	538	1233	1172	1077	412	376	310	607

Value	w11	w12	w13	w14	w15	w16
.D=DK	17	20	17	7	8	17
.I=Irrelevant	735	434	480	438	417	295
.J=Web interview, missing				38	36	50
.M=Oth missing	325	130	270	301	344	232
.N=Not completely retired	9776	8483	10722	8110	7094	7437
.Q=Not asked this wv						
.R=RF	6	6	2	6	3	7
.S=Skip, proxy IW	1145	1049	941	661	721	586
.W=Not working prev 2 wvs	6032	6733	6354	5684	5384	4810
.X=Retired over 2 ago						
.Y=Retired lt 1 yr ago	62	49	44	47	42	38
1.Better	905	777	810	781	736	1012
3.About same	944	727	807	672	654	865
5.Not as good	607	339	465	401	284	438

SwRYRCMP: Ret Yrs Compared to Before

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	4	3	6	26	24	29	10	14	10	6
.I=Irrelevant	943	578	2412	2533	2058	1604	1199	1114	960	545
.J=Web interview, missing										
.M=Oth missing	1			5	33	11	31	51	59	78
.N=Not completely retired	6916	5804	5114	6077	5193	4428	5820	4990	4446	7246
.Q=Not asked this wv		4549								
.R=RF	10	1	3	3	1	3	1			3
.S=Skip, proxy IW	614	669	941	957	874	1359	1203	792	657	817
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
.W=Not working prev 2 wvs							3180	3358	3294	3221
.X=Retired over 2 ago			1259							
.Y=Retired lt 1 yr ago	107	90	117	124	105	106	73	92	60	50
1.Better	560	818	1065	2180	2418	2096	715	616	598	638
3.About same	401	452	666	1428	1374	1452	511	495	403	604
5.Not as good	344	326	334	647	650	551	229	213	159	305

Value	w11	w12	w13	w14	w15	w16
.D=DK	8	8	4	3	3	7
.I=Irrelevant	437	252	259	240	211	137
.J=Web interview, missing				24	16	24
.M=Oth missing	182	57	107	137	139	86
.N=Not completely retired	6472	5519	6507	4739	4057	3803
.Q=Not asked this wv						
.R=RF	6	4	1	2	3	1
.S=Skip, proxy IW	648	589	526	382	419	320
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Not working prev 2 wvs	3174	3422	3160	2758	2617	2294
.X=Retired over 2 ago						
.Y=Retired lt 1 yr ago	39	30	34	32	28	24
1.Better	619	506	508	499	452	555
3.About same	591	451	458	365	395	419
5.Not as good	308	174	215	177	137	170

How Constructed

RwRYRCMP is the Respondent's comparison of retirement years to the time just before retirement. The question is asked if the Respondent is completely retired. SwRYRCMP provides this information for the Respondent's spouse or partner.

RwRYRCMP recodes for missing values. It is set to .N if Respondent is not completely retired. It is set to .I if the question is irrelevant because Respondent has not worked relatively recently. These cases correspond to those where RwSAYRET is coded 3.Question irrelevant. RwRYRCMP is set to .S if the question is skipped because the interview is by proxy. It is set to .Y if Respondent retired less than one year ago.

In later waves, RwRYRCMP is set to .W if Respondent has not reported working in the previous two waves of data.

In Wave 2A this question is not asked and the value is set to .Q. In Wave 3A, when R3SAYRET is .A for probably retired, R3RYRCMP is set to .I, and if the question is skipped because Respondent retired more than two years ago, it is set to .X.

The spouse variable is taken from the wave "w" spouse's self-report. If Respondent is not married, SwRYRCMP is set to .U=unmarried. If Respondent's spouse did not respond then these are set to .V=Spouse.

Cross Wave Differences in Original HRS Data

In all waves this question is skipped if the interview is by proxy. Otherwise the sample asked this question varies across waves.

In Waves 1-3, all self-reporting, fully retired Respondents are asked this question.

In Wave 4, AHEAD cohort Respondents are not asked, but all self-reporting CODA and War Babies Respondents are, along with all new HRS cohort spouses. One of ten HRS cohort Respondents is also randomly selected for these questions.

In Wave 5, the questionnaire indicates that Respondents are selected based on whether they were asked the question in 1998 and their experimental module assignment in 1996, in addition to random selection among those under 65. But the criteria involving 1998 and 1996 does not appear to be accurate, nor is the selection based on age. It appears instead that one of twelve Respondents is randomly selected for these questions, regardless of age. All entry cohort subsamples are eligible for selection.

In Wave 6 if person is 65 or older the questions are skipped. Otherwise, all other self-reporting retired Respondents are asked this question.

In Waves 7 and forward, Respondents are skipped if they are not completely retired or if they have not reported working in the previous two waves of data.

HRS Variables Used

```
HRS 1992:
    V4922           K10:QUAL OF RET VS.WK YR
HRS 1994:
    W3988           FA126.RETIREMENT YEARS B
    W4643           FB86.RETIREMENT YEARS BE
    W5027           FC44.RETIREMENT BETTER/S
AHEAD 1995:
    D3138           GA126.BETTER/SAME
    D3496           GB86.BETTER/SAME
    D3718           GC44.BETTER/SAME
HRS 1996:
    E3046           G137.RETIREMENT YEARS BETTER/SAME
HRS 1998:
    F3577           G137.RETIREMENT YEARS BETTER/SAME
HRS 2000:
    G3866           G137.RETIREMENT YEARS BETTER/SAME
HRS 2002-2014:
    xJ585           RETIREMENT YRS BETTER/SAME
HRS 2016-2022:
    xJ3585          RETIREMENT YRS BETTER/SAME
```

Section O: Employment History

Currently working for pay

Wave	Variable	Label	Type
1	R1WORK	R1WORK:W1 R working for pay	Categ
2	R2WORK	R2WORK:W2 R working for pay	Categ
3	R3WORK	R3WORK:W3 R working for pay	Categ
4	R4WORK	R4WORK:W4 R working for pay	Categ
5	R5WORK	R5WORK:W5 R working for pay	Categ
6	R6WORK	R6WORK:W6 R working for pay	Categ
7	R7WORK	R7WORK:W7 R working for pay	Categ
8	R8WORK	R8WORK:W8 R working for pay	Categ
9	R9WORK	R9WORK:W9 R working for pay	Categ
10	R10WORK	R10WORK:W10 R working for pay	Categ
11	R11WORK	R11WORK:W11 R working for pay	Categ
12	R12WORK	R12WORK:W12 R working for pay	Categ
13	R13WORK	R13WORK:W13 R working for pay	Categ
14	R14WORK	R14WORK:W14 R working for pay	Categ
15	R15WORK	R15WORK:W15 R working for pay	Categ
16	R16WORK	R16WORK:W16 R working for pay	Categ
1	S1WORK	S1WORK:W1 S working for pay	Categ
2	S2WORK	S2WORK:W2 S working for pay	Categ
3	S3WORK	S3WORK:W3 S working for pay	Categ
4	S4WORK	S4WORK:W4 S working for pay	Categ
5	S5WORK	S5WORK:W5 S working for pay	Categ
6	S6WORK	S6WORK:W6 S working for pay	Categ
7	S7WORK	S7WORK:W7 S working for pay	Categ
8	S8WORK	S8WORK:W8 S working for pay	Categ
9	S9WORK	S9WORK:W9 S working for pay	Categ
10	S10WORK	S10WORK:W10 S working for pay	Categ
11	S11WORK	S11WORK:W11 S working for pay	Categ
12	S12WORK	S12WORK:W12 S working for pay	Categ
13	S13WORK	S13WORK:W13 S working for pay	Categ
14	S14WORK	S14WORK:W14 S working for pay	Categ
15	S15WORK	S15WORK:W15 S working for pay	Categ
16	S16WORK	S16WORK:W16 S working for pay	Categ
1	R1WORK2	R1WORK2:W1 Works at 2nd job	Categ
2	R2WORK2	R2WORK2:W2 Works at 2nd job	Categ
3	R3WORK2	R3WORK2:W3 Works at 2nd job	Categ
4	R4WORK2	R4WORK2:W4 Works at 2nd job	Categ
5	R5WORK2	R5WORK2:W5 Works at 2nd job	Categ
6	R6WORK2	R6WORK2:W6 Works at 2nd job	Categ
7	R7WORK2	R7WORK2:W7 Works at 2nd job	Categ
8	R8WORK2	R8WORK2:W8 Works at 2nd job	Categ
9	R9WORK2	R9WORK2:W9 Works at 2nd job	Categ
10	R10WORK2	R10WORK2:W10 Works at 2nd job	Categ
11	R11WORK2	R11WORK2:W11 Works at 2nd job	Categ
12	R12WORK2	R12WORK2:W12 Works at 2nd job	Categ
13	R13WORK2	R13WORK2:W13 Works at 2nd job	Categ
14	R14WORK2	R14WORK2:W14 Works at 2nd job	Categ
15	R15WORK2	R15WORK2:W15 Works at 2nd job	Categ
16	R16WORK2	R16WORK2:W16 Works at 2nd job	Categ
1	S1WORK2	S1WORK2:W1 Works at 2nd job	Categ
2	S2WORK2	S2WORK2:W2 Works at 2nd job	Categ
3	S3WORK2	S3WORK2:W3 Works at 2nd job	Categ
4	S4WORK2	S4WORK2:W4 Works at 2nd job	Categ
5	S5WORK2	S5WORK2:W5 Works at 2nd job	Categ
6	S6WORK2	S6WORK2:W6 Works at 2nd job	Categ
7	S7WORK2	S7WORK2:W7 Works at 2nd job	Categ
8	S8WORK2	S8WORK2:W8 Works at 2nd job	Categ
9	S9WORK2	S9WORK2:W9 Works at 2nd job	Categ
10	S10WORK2	S10WORK2:W10 Works at 2nd job	Categ
11	S11WORK2	S11WORK2:W11 Works at 2nd job	Categ
12	S12WORK2	S12WORK2:W12 Works at 2nd job	Categ
13	S13WORK2	S13WORK2:W13 Works at 2nd job	Categ
14	S14WORK2	S14WORK2:W14 Works at 2nd job	Categ
15	S15WORK2	S15WORK2:W15 Works at 2nd job	Categ

16 S16WORK2 S16WORK2:W16 Works at 2nd job Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WORK	12638	0.66	0.47	0.0	1.0
R2WORK	19611	0.40	0.49	0.0	1.0
R3WORK	17937	0.38	0.49	0.0	1.0
R4WORK	21341	0.39	0.49	0.0	1.0
R5WORK	19541	0.37	0.48	0.0	1.0
R6WORK	18144	0.33	0.47	0.0	1.0
R7WORK	20106	0.39	0.49	0.0	1.0
R8WORK	18456	0.36	0.48	0.0	1.0
R9WORK	17199	0.34	0.47	0.0	1.0
R10WORK	21826	0.41	0.49	0.0	1.0
R11WORK	20502	0.39	0.49	0.0	1.0
R12WORK	18708	0.37	0.48	0.0	1.0
R13WORK	20810	0.42	0.49	0.0	1.0
R14WORK	17073	0.39	0.49	0.0	1.0
R15WORK	15623	0.36	0.48	0.0	1.0
R16WORK	15677	0.37	0.48	0.0	1.0
S1WORK	9895	0.67	0.47	0.0	1.0
S2WORK	13084	0.46	0.50	0.0	1.0
S3WORK	11902	0.44	0.50	0.0	1.0
S4WORK	13970	0.45	0.50	0.0	1.0
S5WORK	12721	0.42	0.49	0.0	1.0
S6WORK	11631	0.39	0.49	0.0	1.0
S7WORK	12965	0.44	0.50	0.0	1.0
S8WORK	11732	0.42	0.49	0.0	1.0
S9WORK	10637	0.40	0.49	0.0	1.0
S10WORK	13394	0.46	0.50	0.0	1.0
S11WORK	12468	0.44	0.50	0.0	1.0
S12WORK	10997	0.42	0.49	0.0	1.0
S13WORK	11749	0.48	0.50	0.0	1.0
S14WORK	9338	0.44	0.50	0.0	1.0
S15WORK	8464	0.40	0.49	0.0	1.0
S16WORK	7814	0.40	0.49	0.0	1.0
R1WORK2	12638	0.08	0.28	0.0	1.0
R2WORK2	18828	0.04	0.20	0.0	1.0
R3WORK2	17650	0.04	0.19	0.0	1.0
R4WORK2	21258	0.04	0.20	0.0	1.0
R5WORK2	19484	0.03	0.18	0.0	1.0
R6WORK2	18107	0.03	0.17	0.0	1.0
R7WORK2	20015	0.04	0.20	0.0	1.0
R8WORK2	18346	0.04	0.19	0.0	1.0
R9WORK2	17087	0.04	0.19	0.0	1.0
R10WORK2	21670	0.05	0.22	0.0	1.0
R11WORK2	20300	0.05	0.21	0.0	1.0
R12WORK2	18561	0.04	0.20	0.0	1.0
R13WORK2	20614	0.05	0.23	0.0	1.0
R14WORK2	16907	0.05	0.22	0.0	1.0
R15WORK2	15435	0.04	0.20	0.0	1.0
R16WORK2	15498	0.05	0.22	0.0	1.0

S1WORK2	9895	0.08	0.27	0.0	1.0
S2WORK2	12555	0.05	0.21	0.0	1.0
S3WORK2	11713	0.04	0.20	0.0	1.0
S4WORK2	13915	0.04	0.21	0.0	1.0
S5WORK2	12682	0.04	0.19	0.0	1.0
S6WORK2	11599	0.04	0.19	0.0	1.0
S7WORK2	12899	0.05	0.22	0.0	1.0
S8WORK2	11650	0.04	0.20	0.0	1.0
S9WORK2	10562	0.04	0.19	0.0	1.0
S10WORK2	13292	0.06	0.23	0.0	1.0
S11WORK2	12332	0.06	0.23	0.0	1.0
S12WORK2	10905	0.05	0.22	0.0	1.0
S13WORK2	11634	0.06	0.24	0.0	1.0
S14WORK2	9228	0.05	0.23	0.0	1.0
S15WORK2	8350	0.05	0.21	0.0	1.0
S16WORK2	7717	0.05	0.22	0.0	1.0

Categorical Variable Codes

RwWORK: R working for pay

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		3	3			2	2			2
.J=Web interview, missing										
.M=Oth missing	14	24	47	34	29	11	11	10	13	187
.R=RF		4	4	9	8	8	10	3	5	19
0.Not working for pay	4268	11784	11100	12940	12337	12082	12265	11814	11321	12969
1.Working for pay	8370	7827	6837	8401	7204	6062	7841	6642	5878	8857

Value	w11	w12	w13	w14	w15	w16
.D=DK	4	3	1	4	2	2
.J=Web interview, missing				5	1	6
.M=Oth missing	36	29	91	58	90	93
.R=RF	12	7	10	6	7	9
0.Not working for pay	12545	11823	12029	10353	9986	9842
1.Working for pay	7957	6885	8781	6720	5637	5835

SwWORK: S working for pay

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK						1	1			1
.J=Web interview, missing										
.M=Oth missing	5	4	14	8	7	3	1	1	4	111
.R=RF		2	1	2	2	4	5	2	5	7
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.Not working for pay	3300	7054	6714	7730	7340	7124	7202	6859	6393	7285
1.Working for pay	6595	6030	5188	6240	5381	4507	5763	4873	4244	6109

Value	w11	w12	w13	w14	w15	w16
.D=DK	3	2		2		
.J=Web interview, missing				6		4
.M=Oth missing	8	8	26	9	12	18
.R=RF	5	5	4	3	1	4
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Not working for pay	6972	6330	6148	5227	5085	4666
1.Working for pay	5496	4667	5601	4111	3379	3148

RwWORK2: Works at 2nd job

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			2	6	4	4			1	2
.J=Web interview, missing										
.M=Oth missing	14	36	336	117	83	51	108	121	126	360
.Q=Not asked this wv		778								
.R=RF			3	3	7	3	6	2	3	2
0.Not working for pay	11591	18077	16985	20403	18825	17554	19154	17659	16480	20578
1.Working for pay	1047	751	665	855	659	553	861	687	607	1092

Value	w11	w12	w13	w14	w15	w16
.D=DK	4	3	2	2	6	3
.J=Web interview, missing				24	42	32
.M=Oth missing	242	180	289	207	235	251
.Q=Not asked this wv						
.R=RF	8	3	7	6	5	3
0.Not working for pay	19355	17752	19487	16039	14795	14730
1.Working for pay	945	809	1127	868	640	768

SwWORK2: Works at 2nd job

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			1	2	4	2			1	1
.J=Web interview, missing										
.M=Oth missing	5	10	201	61	39	35	67	83	82	219
.Q=Not asked this wv		525								
.R=RF			2	2	5	3	6	2	1	1
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.Not working for pay	9100	11965	11224	13295	12194	11175	12267	11149	10156	12546
1.Working for pay	795	590	489	620	488	424	632	501	406	746

Value	w11	w12	w13	w14	w15	w16
.D=DK	3	2	2	2	2	3
.J=Web interview, missing				18	27	17
.M=Oth missing	144	102	140	108	97	102
.Q=Not asked this wv						
.R=RF	5	3	3	2	1	1
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Not working for pay	11645	10360	10933	8731	7970	7326
1.Working for pay	687	545	701	497	380	391

How Constructed

RwWORK is derived from the question: "Are you currently working for pay?" It simply recodes this variable to a yes/no indicator and for missing values. In some waves a response of working but not for pay is allowed. This is treated as NOT working for pay.

RwWORK2 indicates whether the Respondent is working at a second job. If RwWORK is set to "0", then RwWORK2 is also "0" (No).

In Wave 1 the source variable for RwWORK is imputed in the HRS data. The imputation is not used, if imputed RwWORK is set to missing.

In Wave 2A, there is no question about a second job. So for the AHEAD Respondents, R2WORK2 is set to .Q, to indicate that no information is available.

In Wave 3A, RwWORK is also derived from the employment status question: "Are you working now, temporarily laid off, unemployed and looking for work, disabled and unable to work, retired, a homemaker, or what?" If there is no information in the question: "Are you currently working for pay?" and the Respondent reports "Working now" as employment status, then RwWORK is set to "1" (Yes).

The spouse variables are taken from the wave "w" spouse's self-report, i.e., from the spouse's RwWORK and RwWORK2.

Cross Wave Differences in Original HRS Data

The questions about working for pay and working a second job are the same across waves. The questions ask:

"Are you doing any work for pay at the present time?"

"Are you doing any other work for pay now, such as (another) business of your own, a second job or the military reserves?"

In Wave 1 the first question may have a response of "working but not for pay."

HRS Variables Used

```
HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V2717           F2:ANY WRK FOR PAY  :IMP
    V3327           F86:DNG ANY OTR WRK :IMP
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
HRS 1994:
    W3316           FA2.WORKING FOR PAY
    W3956           FA117.ANY OTHER PAID WOR
    W4611           FB77.ANY OTHER PAID WORK
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2651           GA2.WORKING ANY CURRENT
    D3110           GA117. ANY OTHER PAID WORK
HRS 1996:
    E2627           G2.WORKING FOR PAY
    E3019           G128.ANY OTHER PAID WORK
HRS 1998:
    F3131           G2.WORKING FOR PAY
    F3549           G128.ANY OTHER PAID WORK
HRS 2000:
    G3381           G2.WORKING FOR PAY
    G3838           G128.ANY OTHER PAID WORK
HRS 2002-2022:
    xJ020           WORKING FOR PAY
    xJ553           ANY OTR PAID WORK
```

Whether Self-Employed

Wave	Variable	Label	Type
1	R1SLFEMP	R1SLFEMP:W1 Whether Self-Employed	Categ
2	R2SLFEMP	R2SLFEMP:W2 Whether Self-Employed	Categ
3	R3SLFEMP	R3SLFEMP:W3 Whether Self-Employed	Categ
4	R4SLFEMP	R4SLFEMP:W4 Whether Self-Employed	Categ
5	R5SLFEMP	R5SLFEMP:W5 Whether Self-Employed	Categ
6	R6SLFEMP	R6SLFEMP:W6 Whether Self-Employed	Categ
7	R7SLFEMP	R7SLFEMP:W7 Whether Self-Employed	Categ
8	R8SLFEMP	R8SLFEMP:W8 Whether Self-Employed	Categ
9	R9SLFEMP	R9SLFEMP:W9 Whether Self-Employed	Categ
10	R10SLFEMP	R10SLFEMP:W10 Whether Self-Employed	Categ
11	R11SLFEMP	R11SLFEMP:W11 Whether Self-Employed	Categ
12	R12SLFEMP	R12SLFEMP:W12 Whether Self-Employed	Categ
13	R13SLFEMP	R13SLFEMP:W13 Whether Self-Employed	Categ
14	R14SLFEMP	R14SLFEMP:W14 Whether Self-Employed	Categ
15	R15SLFEMP	R15SLFEMP:W15 Whether Self-Employed	Categ
16	R16SLFEMP	R16SLFEMP:W16 Whether Self-Employed	Categ
1	S1SLFEMP	S1SLFEMP:W1 Whether Self-Employed	Categ
2	S2SLFEMP	S2SLFEMP:W2 Whether Self-Employed	Categ
3	S3SLFEMP	S3SLFEMP:W3 Whether Self-Employed	Categ
4	S4SLFEMP	S4SLFEMP:W4 Whether Self-Employed	Categ
5	S5SLFEMP	S5SLFEMP:W5 Whether Self-Employed	Categ
6	S6SLFEMP	S6SLFEMP:W6 Whether Self-Employed	Categ
7	S7SLFEMP	S7SLFEMP:W7 Whether Self-Employed	Categ
8	S8SLFEMP	S8SLFEMP:W8 Whether Self-Employed	Categ
9	S9SLFEMP	S9SLFEMP:W9 Whether Self-Employed	Categ
10	S10SLFEMP	S10SLFEMP:W10 Whether Self-Employed	Categ
11	S11SLFEMP	S11SLFEMP:W11 Whether Self-Employed	Categ
12	S12SLFEMP	S12SLFEMP:W12 Whether Self-Employed	Categ
13	S13SLFEMP	S13SLFEMP:W13 Whether Self-Employed	Categ
14	S14SLFEMP	S14SLFEMP:W14 Whether Self-Employed	Categ
15	S15SLFEMP	S15SLFEMP:W15 Whether Self-Employed	Categ
16	S16SLFEMP	S16SLFEMP:W16 Whether Self-Employed	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SLFEMP	8368	0.18	0.39	0.0	1.0
R2SLFEMP	7812	0.21	0.41	0.0	1.0
R3SLFEMP	6817	0.22	0.42	0.0	1.0
R4SLFEMP	8332	0.22	0.41	0.0	1.0
R5SLFEMP	7162	0.21	0.41	0.0	1.0
R6SLFEMP	6057	0.24	0.42	0.0	1.0
R7SLFEMP	7836	0.23	0.42	0.0	1.0
R8SLFEMP	6583	0.23	0.42	0.0	1.0
R9SLFEMP	5867	0.24	0.43	0.0	1.0
R10SLFEMP	8837	0.20	0.40	0.0	1.0
R11SLFEMP	7944	0.21	0.41	0.0	1.0
R12SLFEMP	6868	0.21	0.41	0.0	1.0
R13SLFEMP	8726	0.20	0.40	0.0	1.0
R14SLFEMP	6703	0.19	0.39	0.0	1.0
R15SLFEMP	5585	0.19	0.39	0.0	1.0
R16SLFEMP	5780	0.19	0.39	0.0	1.0
S1SLFEMP	6595	0.19	0.40	0.0	1.0
S2SLFEMP	6018	0.23	0.42	0.0	1.0
S3SLFEMP	5176	0.24	0.42	0.0	1.0

S4SLFEMP	6187	0.23	0.42	0.0	1.0
S5SLFEMP	5351	0.22	0.42	0.0	1.0
S6SLFEMP	4503	0.25	0.43	0.0	1.0
S7SLFEMP	5760	0.24	0.43	0.0	1.0
S8SLFEMP	4829	0.24	0.43	0.0	1.0
S9SLFEMP	4237	0.25	0.44	0.0	1.0
S10SLFEMP	6097	0.22	0.41	0.0	1.0
S11SLFEMP	5489	0.22	0.42	0.0	1.0
S12SLFEMP	4658	0.23	0.42	0.0	1.0
S13SLFEMP	5564	0.21	0.40	0.0	1.0
S14SLFEMP	4101	0.20	0.40	0.0	1.0
S15SLFEMP	3347	0.20	0.40	0.0	1.0
S16SLFEMP	3121	0.19	0.39	0.0	1.0

Categorical Variable Codes

RwSLFEMP: Whether Self-Employed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			4	3	1	4	2	59	11	18
.J=Web interview, missing										
.M=Oth missing	16	36	68	109	76	21	23	13	18	209
.R=RF		10	2		2	1	3			1
.W=Skip,not working	4268	11784	11100	12940	12337	12082	12265	11814	11321	12969
0.Not self-employed	6845	6141	5293	6523	5643	4630	6068	5079	4447	7028
1.Self-employed	1523	1671	1524	1809	1519	1427	1768	1504	1420	1809

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	11	15	44	8	40	10
.J=Web interview, missing				11	9	15
.M=Oth missing	53	40	111	71	100	134
.R=RF	1	1	2		3	6
.W=Skip,not working	12545	11823	12029	10353	9986	9842
0.Not self-employed	6284	5396	6971	5408	4523	4708
1.Self-employed	1660	1472	1755	1295	1062	1072

SwSLFEMP: Whether Self-Employed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			2	3	1	3	1	44	7	11
.J=Web interview, missing										
.M=Oth missing	5	10	24	60	37	8	7	3	9	119
.R=RF		8	1		1	1	2			1
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
.W=Skip,not working	3300	7054	6714	7730	7340	7124	7202	6859	6393	7285
0.Not self-employed	5312	4652	3959	4792	4167	3388	4373	3667	3163	4771
1.Self-employed	1283	1366	1217	1395	1184	1115	1387	1162	1074	1326

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	5	8	28	4	26	6
.J=Web interview, missing				8	4	10
.M=Oth missing	17	16	38	18	13	35
.R=RF	1		1		2	2
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Skip,not working	6972	6330	6148	5227	5085	4666
0.Not self-employed	4274	3608	4418	3286	2671	2521
1.Self-employed	1215	1050	1146	815	676	600

How Constructed

RwSLFEMP is derived from the question: "Do you work for someone else, are you self-employed, or what?" regarding the current main job. The possible responses are someone else or self-employed. According to the HRS documentation, Respondents who said they ran their own businesses were recoded to self-employed. RwSLFEMP simply recodes this variable to a yes/no indicator and for missing values. If this question was skipped because the Respondent isn't working for pay, RwSLFEMP is set to .W.

There are some cases where RwWORK indicates that the Respondent is not working, but that have a value for whether the Respondent is self-employed. If a valid value is available for the self-employment question, it is used. In particular, from Wave 3H forward, this question is asked of Respondents who reported being temporarily laid off, or on sick or other leave who also said they intend to return to the same job, even if they are not currently working for pay. Respondents in this situation may have a value for RwSLFEMP.

In Wave 1 the source variable for RwSLFEMP is imputed in the HRS data. The imputation is not used, if imputed RwSLFEMP is set to missing.

The spouse variables are taken from the wave "w" spouse's self-report, i.e., from the spouse's RwSLFEMP.

Cross Wave Differences in Original HRS Data

The core of the question about whether working for a firm or oneself is the same across waves. The question asks:

"Do you work for someone else, are you self-employed, or what?"

In Waves 1, 2 and 3A, it is only asked of Respondents who are currently working for pay and is prefaced by:

"Next are some questions about your current, main job."

In Wave 3H and from Wave 4 forward, if the Respondent is currently working for pay, the question is prefaced by:

"On your current (main) job, ..."

For these waves, it is also asked of Respondents who report being temporarily laid off or on leave, if they also say they expect to go back to this job, in which case the question is prefaced by:

"On the job you plan to go back to, ..."

HRS Variables Used

```
HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V12718          F3:WHO WORK FOR     :IND
    V2717           F2:ANY WRK FOR PAY  :IMP
    V2718           F3:WHO WORK FOR     :IMP
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1178           G2. CURRENTLY SELF EMPLOYED
HRS 1994:
    W3316           FA2.WORKING FOR PAY
    W3317           FA3.WORK FOR SOMEONE ELS
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2651           GA2.WORKING ANY CURRENT
    D2653           GA3. SELF/OTHER EMPLOYED
HRS 1996:
    E2627           G2.WORKING FOR PAY
    E2628           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
HRS 1998:
    F3131           G2.WORKING FOR PAY
    F3132           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
HRS 2000:
    G3381           G2.WORKING FOR PAY
    G3382           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
HRS 2002-2022:
    xJ020           WORKING FOR PAY
    xJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
```

Same Employer or Same Job Title as previous Wave

Wave	Variable	Label	Type
2	R2SAMEMP	R2SAMEMP:W2 Same Employer as Last Wave	Categ
3	R3SAMEMP	R3SAMEMP:W3 Same Employer as Last Wave	Categ
4	R4SAMEMP	R4SAMEMP:W4 Same Employer as Last Wave	Categ
5	R5SAMEMP	R5SAMEMP:W5 Same Employer as Last Wave	Categ
6	R6SAMEMP	R6SAMEMP:W6 Same Employer as Last Wave	Categ
7	R7SAMEMP	R7SAMEMP:W7 Same Employer as Last Wave	Categ
8	R8SAMEMP	R8SAMEMP:W8 Same Employer as Last Wave	Categ
9	R9SAMEMP	R9SAMEMP:W9 Same Employer as Last Wave	Categ
10	R10SAMEMP	R10SAMEMP:W10 Same Employer as Last Wave	Categ
11	R11SAMEMP	R11SAMEMP:W11 Same Employer as Last Wave	Categ
12	R12SAMEMP	R12SAMEMP:W12 Same Employer as Last Wave	Categ
13	R13SAMEMP	R13SAMEMP:W13 Same Employer as Last Wave	Categ
14	R14SAMEMP	R14SAMEMP:W14 Same Employer as Last Wave	Categ
15	R15SAMEMP	R15SAMEMP:W15 Same Employer as Last Wave	Categ
16	R16SAMEMP	R16SAMEMP:W16 Same Employer as Last Wave	Categ
2	S2SAMEMP	S2SAMEMP:W2 Same Employer as Last Wave	Categ
3	S3SAMEMP	S3SAMEMP:W3 Same Employer as Last Wave	Categ
4	S4SAMEMP	S4SAMEMP:W4 Same Employer as Last Wave	Categ
5	S5SAMEMP	S5SAMEMP:W5 Same Employer as Last Wave	Categ
6	S6SAMEMP	S6SAMEMP:W6 Same Employer as Last Wave	Categ
7	S7SAMEMP	S7SAMEMP:W7 Same Employer as Last Wave	Categ
8	S8SAMEMP	S8SAMEMP:W8 Same Employer as Last Wave	Categ
9	S9SAMEMP	S9SAMEMP:W9 Same Employer as Last Wave	Categ
10	S10SAMEMP	S10SAMEMP:W10 Same Employer as Last Wave	Categ
11	S11SAMEMP	S11SAMEMP:W11 Same Employer as Last Wave	Categ
12	S12SAMEMP	S12SAMEMP:W12 Same Employer as Last Wave	Categ
13	S13SAMEMP	S13SAMEMP:W13 Same Employer as Last Wave	Categ
14	S14SAMEMP	S14SAMEMP:W14 Same Employer as Last Wave	Categ
15	S15SAMEMP	S15SAMEMP:W15 Same Employer as Last Wave	Categ
16	S16SAMEMP	S16SAMEMP:W16 Same Employer as Last Wave	Categ
2	R2SAMEJOB	R2SAMEJOB:W2 Same Job title as last Wave	Categ
3	R3SAMEJOB	R3SAMEJOB:W3 Same Job title as last Wave	Categ
4	R4SAMEJOB	R4SAMEJOB:W4 Same Job title as last Wave	Categ
5	R5SAMEJOB	R5SAMEJOB:W5 Same Job title as last Wave	Categ
6	R6SAMEJOB	R6SAMEJOB:W6 Same Job title as last Wave	Categ
7	R7SAMEJOB	R7SAMEJOB:W7 Same Job title as last Wave	Categ
8	R8SAMEJOB	R8SAMEJOB:W8 Same Job title as last Wave	Categ
9	R9SAMEJOB	R9SAMEJOB:W9 Same Job title as last Wave	Categ
10	R10SAMEJOB	R10SAMEJOB:W10 Same Job title as last Wave	Categ
11	R11SAMEJOB	R11SAMEJOB:W11 Same Job title as last Wave	Categ
12	R12SAMEJOB	R12SAMEJOB:W12 Same Job title as last Wave	Categ
13	R13SAMEJOB	R13SAMEJOB:W13 Same Job title as last Wave	Categ
14	R14SAMEJOB	R14SAMEJOB:W14 Same Job title as last Wave	Categ
15	R15SAMEJOB	R15SAMEJOB:W15 Same Job title as last Wave	Categ
16	R16SAMEJOB	R16SAMEJOB:W16 Same Job title as last Wave	Categ
2	S2SAMEJOB	S2SAMEJOB:W2 Same Job title as last Wave	Categ
3	S3SAMEJOB	S3SAMEJOB:W3 Same Job title as last Wave	Categ
4	S4SAMEJOB	S4SAMEJOB:W4 Same Job title as last Wave	Categ
5	S5SAMEJOB	S5SAMEJOB:W5 Same Job title as last Wave	Categ
6	S6SAMEJOB	S6SAMEJOB:W6 Same Job title as last Wave	Categ
7	S7SAMEJOB	S7SAMEJOB:W7 Same Job title as last Wave	Categ
8	S8SAMEJOB	S8SAMEJOB:W8 Same Job title as last Wave	Categ
9	S9SAMEJOB	S9SAMEJOB:W9 Same Job title as last Wave	Categ
10	S10SAMEJOB	S10SAMEJOB:W10 Same Job title as last Wave	Categ
11	S11SAMEJOB	S11SAMEJOB:W11 Same Job title as last Wave	Categ
12	S12SAMEJOB	S12SAMEJOB:W12 Same Job title as last Wave	Categ
13	S13SAMEJOB	S13SAMEJOB:W13 Same Job title as last Wave	Categ
14	S14SAMEJOB	S14SAMEJOB:W14 Same Job title as last Wave	Categ
15	S15SAMEJOB	S15SAMEJOB:W15 Same Job title as last Wave	Categ
16	S16SAMEJOB	S16SAMEJOB:W16 Same Job title as last Wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2SAMEMP	6974	0.81	0.39	0.0	1.0
R3SAMEMP	6689	0.78	0.42	0.0	1.0
R4SAMEMP	5845	0.77	0.42	0.0	1.0
R5SAMEMP	7037	0.78	0.42	0.0	1.0
R6SAMEMP	5940	0.72	0.45	0.0	1.0
R7SAMEMP	5207	0.76	0.43	0.0	1.0
R8SAMEMP	6509	0.78	0.42	0.0	1.0
R9SAMEMP	5793	0.79	0.40	0.0	1.0
R10SAMEMP	4739	0.80	0.40	0.0	1.0
R11SAMEMP	7745	0.78	0.41	0.0	1.0
R12SAMEMP	6753	0.79	0.41	0.0	1.0
R13SAMEMP	5617	0.76	0.43	0.0	1.0
R14SAMEMP	6597	0.77	0.42	0.0	1.0
R15SAMEMP	5485	0.76	0.43	0.0	1.0
R16SAMEMP	4241	0.72	0.45	0.0	1.0
S2SAMEMP	5436	0.81	0.39	0.0	1.0
S3SAMEMP	5061	0.79	0.41	0.0	1.0
S4SAMEMP	4326	0.78	0.42	0.0	1.0
S5SAMEMP	5231	0.78	0.41	0.0	1.0
S6SAMEMP	4394	0.72	0.45	0.0	1.0
S7SAMEMP	3822	0.77	0.42	0.0	1.0
S8SAMEMP	4748	0.78	0.41	0.0	1.0
S9SAMEMP	4162	0.81	0.40	0.0	1.0
S10SAMEMP	3347	0.81	0.39	0.0	1.0
S11SAMEMP	5309	0.80	0.40	0.0	1.0
S12SAMEMP	4561	0.80	0.40	0.0	1.0
S13SAMEMP	3731	0.77	0.42	0.0	1.0
S14SAMEMP	4002	0.79	0.41	0.0	1.0
S15SAMEMP	3257	0.78	0.41	0.0	1.0
S16SAMEMP	2373	0.74	0.44	0.0	1.0
R2SAMEJOB	6650	0.74	0.44	0.0	1.0
R3SAMEJOB	6299	0.71	0.45	0.0	1.0
R4SAMEJOB	5538	0.65	0.48	0.0	1.0
R5SAMEJOB	6852	0.71	0.45	0.0	1.0
R6SAMEJOB	5714	0.66	0.47	0.0	1.0
R7SAMEJOB	5174	0.71	0.45	0.0	1.0
R8SAMEJOB	4722	0.64	0.48	0.0	1.0
R9SAMEJOB	5723	0.73	0.44	0.0	1.0
R10SAMEJOB	4727	0.74	0.44	0.0	1.0
R11SAMEJOB	7737	0.73	0.44	0.0	1.0
R12SAMEJOB	6748	0.73	0.44	0.0	1.0
R13SAMEJOB	5609	0.71	0.45	0.0	1.0
R14SAMEJOB	6582	0.72	0.45	0.0	1.0
R15SAMEJOB	5458	0.71	0.45	0.0	1.0
R16SAMEJOB	4232	0.67	0.47	0.0	1.0
S2SAMEJOB	5189	0.75	0.44	0.0	1.0
S3SAMEJOB	4807	0.72	0.45	0.0	1.0
S4SAMEJOB	4108	0.66	0.47	0.0	1.0
S5SAMEJOB	5097	0.72	0.45	0.0	1.0
S6SAMEJOB	4218	0.66	0.47	0.0	1.0
S7SAMEJOB	3799	0.72	0.45	0.0	1.0
S8SAMEJOB	3469	0.66	0.47	0.0	1.0
S9SAMEJOB	4119	0.75	0.44	0.0	1.0

S10SAMEJOB	3339	0.76	0.43	0.0	1.0
S11SAMEJOB	5303	0.74	0.44	0.0	1.0
S12SAMEJOB	4558	0.75	0.44	0.0	1.0
S13SAMEJOB	3726	0.72	0.45	0.0	1.0
S14SAMEJOB	3996	0.74	0.44	0.0	1.0
S15SAMEJOB	3238	0.73	0.44	0.0	1.0
S16SAMEJOB	2367	0.69	0.46	0.0	1.0

Categorical Variable Codes

RwSAMEMP: Same Employer as Last Wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			1	3	1			4		2
.J=Web interview, missing										
.M=Oth missing		43	9	19	22	6	6	17	13	13
.P=No Previous Interview		7921	242	4582	238	196	3036	184	129	5813
.R=RF					1	3			1	
.S=R is Self Employed		298	28	509	26	31	436	24	14	626
.W=Skip,not working		4406	11022	10426	12253	11989	11444	11731	11267	10841
0.Not the same Employer as		1348	1482	1340	1577	1688	1254	1461	1189	970
1.Same Employer as Previous		5626	5207	4505	5460	4252	3953	5048	4604	3769

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	2	2	2		1	1
.J=Web interview, missing				3	16	5
.M=Oth missing	23	31	22	20	41	29
.P=No Previous Interview	290	153	4065	164	161	2517
.R=RF	1	2			1	
.S=R is Self Employed	41	25	493	17	11	243
.W=Skip,not working	12452	11781	10713	10345	10007	8751
0.Not the same Employer as	1683	1432	1342	1517	1302	1187
1.Same Employer as Previous	6062	5321	4275	5080	4183	3054

SwSAMEMP: Same Employer as Last Wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			1	3	1			4		2
.J=Web interview, missing										
.M=Oth missing		38	3	16	13	6	5	14	12	6
.P=No Previous Interview		4140	215	3125	221	181	2142	176	126	3649
.R=RF						1			1	
.S=R is Self Employed		208	25	379	25	29	343	23	13	447
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
.W=Skip,not working		3268	6612	6131	7239	7028	6660	6770	6332	6062
0.Not the same Employer as		1015	1080	970	1147	1226	887	1024	806	633
1.Same Employer as Previous		4421	3981	3356	4084	3168	2935	3724	3356	2714

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	1	1	1		1	1
.J=Web interview, missing					9	2
.M=Oth missing	9	14	16	11	26	19
.P=No Previous Interview	273	144	2243	160	145	1106
.R=RF	1	1				

.S=R is Self Employed	40	23	274	16	11	115
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Skip,not working	6851	6268	5514	5169	5028	4224
0.Not the same Employer as	1084	903	841	845	707	608
1.Same Employer as Previous	4225	3658	2890	3157	2550	1765

RwSAMEJOB: Same Job title as last Wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		1							1	4
.J=Web interview, missing										
.M=Oth missing		366	137	329	208	235	39	1808	83	23
.P=No Previous Interview		7921	242	4582	238	196	3036	184	129	5813
.Q=Not asked this wv			263							
.R=RF					1					
.S=R is Self Employed		298	28	509	26	31	436	24	14	626
.W=Skip,not working		4406	11022	10426	12253	11989	11444	11731	11267	10841
0.Not the same Job as Previ		1749	1843	1947	1981	1955	1507	1691	1531	1208
1.Same Job as Previous Wave		4901	4456	3591	4871	3759	3667	3031	4192	3519

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA				1	5	2
.J=Web interview, missing				11	31	9
.M=Oth missing	34	39	32	26	50	32
.P=No Previous Interview	290	153	4065	164	161	2517
.Q=Not asked this wv						
.R=RF		1				1
.S=R is Self Employed	41	25	493	17	11	243
.W=Skip,not working	12452	11781	10713	10345	10007	8751
0.Not the same Job as Previ	2099	1793	1638	1830	1572	1413
1.Same Job as Previous Wave	5638	4955	3971	4752	3886	2819

SwSAMEJOB: Same Job title as last Wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		1								2
.J=Web interview, missing										
.M=Oth missing		284	89	237	147	183	28	1297	56	14
.P=No Previous Interview		4140	215	3125	221	181	2142	176	126	3649
.Q=Not asked this wv			169							
.R=RF					1					
.S=R is Self Employed		208	25	379	25	29	343	23	13	447
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
.W=Skip,not working		3268	6612	6131	7239	7028	6660	6770	6332	6062
0.Not the same Job as Previ		1316	1351	1409	1439	1428	1071	1187	1046	808
1.Same Job as Previous Wave		3873	3456	2699	3658	2790	2728	2282	3073	2531

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA					4	2
.J=Web interview, missing				2	21	4
.M=Oth missing	17	19	22	15	30	22
.P=No Previous Interview	273	144	2243	160	145	1106
.Q=Not asked this wv						
.R=RF						
.S=R is Self Employed	40	23	274	16	11	115
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Skip,not working	6851	6268	5514	5169	5028	4224

0.Not the same Job as Previ	1369	1161	1035	1049	868	725
1.Same Job as Previous Wave	3934	3397	2691	2947	2370	1642

How Constructed

RwSAMEMP is 1 if the Respondent reports working for the same employer as the previous wave. If the Respondent is self-employed in both the current and previous wave, RwSAMEMP is also 1. If this is the Respondents first interview, RwSAMEMP=.P. If the Respondent is not working, RwSAMEMP=.W.

This variable is derived from the question in the Employment section:

"STILL WORKING PREV EMPLOYER According to our records, in [Previous Wave Month] [Previous Wave Year] you were [working for [Prev Wave Old Employer Name]/someone else]. Are you still working [there/for that same employer]?"

RwSAMEJOB is 1 if the Respondent reports having the same job as the previous interview. If this is the Respondents first interview, RwSAMEJOB=.P. If the Respondent is not working, RwSAMEJOB=.W.

Until Wave 12, if the Respondent reports being self-employed in the current wave and the previous wave, RwSAMEJOB=1. From Wave 12, an additional question is asked about if the business has changed. If the Respondent reports the business has changed from the previous wave, RwSAMEJOB=0.

This variable is derived from the following questions in the Employment Section:

"SAME JOB TITLE AS PREVIOUS WAVE [In [Prev IW Month] [Prev IW Year] our records indicate that your job title was [Prev Wave Job Title]. Is this still the case? / Is your job title still the same as it was in [Prev IW Month] [Prev IW Year]?]"

"WORK FOR SOMEONE ELSE/SLF-EMPLOYED According to our records, in [Prev Wave IW Month] [Prev Wave IW Year] you were self-employed. Do you have the same business that you had in [Prev Wave IW Month] [Prev Wave IW Year] or is it a different business?"

The spouse variables are taken from the wave "w" spouse's self-report, i.e., from the spouse's RwSAMEMP and RwSAMEJOB.

Cross Wave Differences in Original HRS Data

1995 Ahead does not ask the question about having the same job title as last wave so we set R3SAMEJOB = .Q.

In Wave 8 a number Respondents were not asked the question about same job title, if they reported working for the same employer as the last wave. We set R8SAMEJOB=.Q for these cases. This was part of an experimental skip pattern that was not repeated in subsequent waves.

HRS Variables Used

```
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
HRS 1994:
    W3316           FA2.WORKING FOR PAY
    W3458           FA19.STILL WORKING FOR W
    W3502           FA21.SAME JOB TITLE AS W
AHEAD 1995:
    D2747           GA19. STILL WORKING SAME EMPLOYER
```

```
HRS 1996:
    E2627           G2.WORKING FOR PAY
    E2654           G19A.STILL WORKNG FOR PREV WAVE EMPLOYER
    E2655           G19B.STILL WORKING PREV EMPLOYER
    E2662           G21.SAME JOB TITLE AS PREVIOUS WAVE
HRS 1998:
    F3131           G2.WORKING FOR PAY
    F3158           G19A.STILL WORKING FOR PREV WAVE EMPLOYE
    F3166           G19B.STILL WORKING PREV EMPLOYER
    F3183           G21.SAME JOB TITLE AS PREVIOUS WAVE
HRS 2000:
    G3381           G2.WORKING FOR PAY
    G3416           G19B.STILL WORKING PREV EMPLOYER
    G3432           G21.SAME JOB TITLE AS PREVIOUS WAVE
HRS 2002-2022:
    xJ020           WORKING FOR PAY
    xJ045           STILL WORKING PREV EMPLOYER
    xJ058           SAME JOB TITLE AS PREVIOUS WAVE
HRS 2014-2022:
    xJ958           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
```

Labor Force Status

Wave	Variable	Label	Type
1	R1LBRF	R1LBRF:W1 R Labor Force Status	Categ
2	R2LBRF	R2LBRF:W2 R Labor Force Status	Categ
3	R3LBRF	R3LBRF:W3 R Labor Force Status	Categ
4	R4LBRF	R4LBRF:W4 R Labor Force Status	Categ
5	R5LBRF	R5LBRF:W5 R Labor Force Status	Categ
6	R6LBRF	R6LBRF:W6 R Labor Force Status	Categ
7	R7LBRF	R7LBRF:W7 R Labor Force Status	Categ
8	R8LBRF	R8LBRF:W8 R Labor Force Status	Categ
9	R9LBRF	R9LBRF:W9 R Labor Force Status	Categ
10	R10LBRF	R10LBRF:W10 R Labor Force Status	Categ
11	R11LBRF	R11LBRF:W11 R Labor Force Status	Categ
12	R12LBRF	R12LBRF:W12 R Labor Force Status	Categ
13	R13LBRF	R13LBRF:W13 R Labor Force Status	Categ
14	R14LBRF	R14LBRF:W14 R Labor Force Status	Categ
15	R15LBRF	R15LBRF:W15 R Labor Force Status	Categ
16	R16LBRF	R16LBRF:W16 R Labor Force Status	Categ
1	S1LBRF	S1LBRF:W1 S Labor Force Status	Categ
2	S2LBRF	S2LBRF:W2 S Labor Force Status	Categ
3	S3LBRF	S3LBRF:W3 S Labor Force Status	Categ
4	S4LBRF	S4LBRF:W4 S Labor Force Status	Categ
5	S5LBRF	S5LBRF:W5 S Labor Force Status	Categ
6	S6LBRF	S6LBRF:W6 S Labor Force Status	Categ
7	S7LBRF	S7LBRF:W7 S Labor Force Status	Categ
8	S8LBRF	S8LBRF:W8 S Labor Force Status	Categ
9	S9LBRF	S9LBRF:W9 S Labor Force Status	Categ
10	S10LBRF	S10LBRF:W10 S Labor Force Status	Categ
11	S11LBRF	S11LBRF:W11 S Labor Force Status	Categ
12	S12LBRF	S12LBRF:W12 S Labor Force Status	Categ
13	S13LBRF	S13LBRF:W13 S Labor Force Status	Categ
14	S14LBRF	S14LBRF:W14 S Labor Force Status	Categ
15	S15LBRF	S15LBRF:W15 S Labor Force Status	Categ
16	S16LBRF	S16LBRF:W16 S Labor Force Status	Categ
1	R1LBRFH	R1LBRFH:W1 Labor Force Status, No Week Restriction	Categ
2	R2LBRFH	R2LBRFH:W2 Labor Force Status, No Week Restriction	Categ
3	R3LBRFH	R3LBRFH:W3 Labor Force Status, No Week Restriction	Categ
4	R4LBRFH	R4LBRFH:W4 Labor Force Status, No Week Restriction	Categ
5	R5LBRFH	R5LBRFH:W5 Labor Force Status, No Week Restriction	Categ
6	R6LBRFH	R6LBRFH:W6 Labor Force Status, No Week Restriction	Categ
7	R7LBRFH	R7LBRFH:W7 Labor Force Status, No Week Restriction	Categ
8	R8LBRFH	R8LBRFH:W8 Labor Force Status, No Week Restriction	Categ
9	R9LBRFH	R9LBRFH:W9 Labor Force Status, No Week Restriction	Categ
10	R10LBRFH	R10LBRFH:W10 Labor Force Status, No Week Restriction	Categ
11	R11LBRFH	R11LBRFH:W11 Labor Force Status, No Week Restriction	Categ
12	R12LBRFH	R12LBRFH:W12 Labor Force Status, No Week Restriction	Categ
13	R13LBRFH	R13LBRFH:W13 Labor Force Status, No Week Restriction	Categ
14	R14LBRFH	R14LBRFH:W14 Labor Force Status, No Week Restriction	Categ
15	R15LBRFH	R15LBRFH:W15 Labor Force Status, No Week Restriction	Categ
16	R16LBRFH	R16LBRFH:W16 Labor Force Status, No Week Restriction	Categ
1	S1LBRFH	S1LBRFH:W1 Labor Force Status, No Week Restriction	Categ
2	S2LBRFH	S2LBRFH:W2 Labor Force Status, No Week Restriction	Categ
3	S3LBRFH	S3LBRFH:W3 Labor Force Status, No Week Restriction	Categ
4	S4LBRFH	S4LBRFH:W4 Labor Force Status, No Week Restriction	Categ
5	S5LBRFH	S5LBRFH:W5 Labor Force Status, No Week Restriction	Categ
6	S6LBRFH	S6LBRFH:W6 Labor Force Status, No Week Restriction	Categ
7	S7LBRFH	S7LBRFH:W7 Labor Force Status, No Week Restriction	Categ
8	S8LBRFH	S8LBRFH:W8 Labor Force Status, No Week Restriction	Categ
9	S9LBRFH	S9LBRFH:W9 Labor Force Status, No Week Restriction	Categ
10	S10LBRFH	S10LBRFH:W10 Labor Force Status, No Week Restriction	Categ
11	S11LBRFH	S11LBRFH:W11 Labor Force Status, No Week Restriction	Categ
12	S12LBRFH	S12LBRFH:W12 Labor Force Status, No Week Restriction	Categ
13	S13LBRFH	S13LBRFH:W13 Labor Force Status, No Week Restriction	Categ
14	S14LBRFH	S14LBRFH:W14 Labor Force Status, No Week Restriction	Categ
15	S15LBRFH	S15LBRFH:W15 Labor Force Status, No Week Restriction	Categ

16	S16LBRFH	S16LBRFH:W16 Labor Force Status, No Week Restriction	Categ
1	R1LBRFY	R1LBRFY:W1 Labor Force Status Year Round Flag	Categ
2	R2LBRFY	R2LBRFY:W2 Labor Force Status Year Round Flag	Categ
3	R3LBRFY	R3LBRFY:W3 Labor Force Status Year Round Flag	Categ
4	R4LBRFY	R4LBRFY:W4 Labor Force Status Year Round Flag	Categ
5	R5LBRFY	R5LBRFY:W5 Labor Force Status Year Round Flag	Categ
6	R6LBRFY	R6LBRFY:W6 Labor Force Status Year Round Flag	Categ
7	R7LBRFY	R7LBRFY:W7 Labor Force Status Year Round Flag	Categ
8	R8LBRFY	R8LBRFY:W8 Labor Force Status Year Round Flag	Categ
9	R9LBRFY	R9LBRFY:W9 Labor Force Status Year Round Flag	Categ
10	R10LBRFY	R10LBRFY:W10 Labor Force Status Year Round Flag	Categ
11	R11LBRFY	R11LBRFY:W11 Labor Force Status Year Round Flag	Categ
12	R12LBRFY	R12LBRFY:W12 Labor Force Status Year Round Flag	Categ
13	R13LBRFY	R13LBRFY:W13 Labor Force Status Year Round Flag	Categ
14	R14LBRFY	R14LBRFY:W14 Labor Force Status Year Round Flag	Categ
15	R15LBRFY	R15LBRFY:W15 Labor Force Status Year Round Flag	Categ
16	R16LBRFY	R16LBRFY:W16 Labor Force Status Year Round Flag	Categ
1	S1LBRFY	S1LBRFY:W1 Labor Force Status Year Round Flag	Categ
2	S2LBRFY	S2LBRFY:W2 Labor Force Status Year Round Flag	Categ
3	S3LBRFY	S3LBRFY:W3 Labor Force Status Year Round Flag	Categ
4	S4LBRFY	S4LBRFY:W4 Labor Force Status Year Round Flag	Categ
5	S5LBRFY	S5LBRFY:W5 Labor Force Status Year Round Flag	Categ
6	S6LBRFY	S6LBRFY:W6 Labor Force Status Year Round Flag	Categ
7	S7LBRFY	S7LBRFY:W7 Labor Force Status Year Round Flag	Categ
8	S8LBRFY	S8LBRFY:W8 Labor Force Status Year Round Flag	Categ
9	S9LBRFY	S9LBRFY:W9 Labor Force Status Year Round Flag	Categ
10	S10LBRFY	S10LBRFY:W10 Labor Force Status Year Round Flag	Categ
11	S11LBRFY	S11LBRFY:W11 Labor Force Status Year Round Flag	Categ
12	S12LBRFY	S12LBRFY:W12 Labor Force Status Year Round Flag	Categ
13	S13LBRFY	S13LBRFY:W13 Labor Force Status Year Round Flag	Categ
14	S14LBRFY	S14LBRFY:W14 Labor Force Status Year Round Flag	Categ
15	S15LBRFY	S15LBRFY:W15 Labor Force Status Year Round Flag	Categ
16	S16LBRFY	S16LBRFY:W16 Labor Force Status Year Round Flag	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LBRF	12652	2.75	2.21	1.0	7.0
R2LBRF	16488	3.42	2.06	1.0	7.0
R3LBRF	17991	3.97	2.06	1.0	7.0
R4LBRF	21384	3.94	2.07	1.0	7.0
R5LBRF	19578	4.08	2.04	1.0	7.0
R6LBRF	18165	4.21	1.96	1.0	7.0
R7LBRF	20129	3.92	2.00	1.0	7.0
R8LBRF	18469	4.03	1.92	1.0	7.0
R9LBRF	17217	4.08	1.86	1.0	7.0
R10LBRF	22034	3.72	1.94	1.0	7.0
R11LBRF	20554	3.77	1.88	1.0	7.0
R12LBRF	18747	3.86	1.83	1.0	7.0
R13LBRF	20912	3.65	1.95	1.0	7.0
R14LBRF	17146	3.77	1.90	1.0	7.0
R15LBRF	15723	3.89	1.85	1.0	7.0
R16LBRF	15787	3.85	1.86	1.0	7.0
S1LBRF	9900	2.75	2.22	1.0	7.0
S2LBRF	11605	3.28	2.09	1.0	7.0
S3LBRF	11917	3.76	2.10	1.0	7.0
S4LBRF	13980	3.74	2.11	1.0	7.0
S5LBRF	12730	3.86	2.09	1.0	7.0
S6LBRF	11639	4.00	2.02	1.0	7.0

S7LBRF	12972	3.71	2.05	1.0	7.0
S8LBRF	11735	3.83	1.98	1.0	7.0
S9LBRF	10646	3.87	1.93	1.0	7.0
S10LBRF	13513	3.55	1.99	1.0	7.0
S11LBRF	12484	3.58	1.94	1.0	7.0
S12LBRF	11012	3.67	1.91	1.0	7.0
S13LBRF	11779	3.46	2.00	1.0	7.0
S14LBRF	9358	3.60	1.96	1.0	7.0
S15LBRF	8477	3.74	1.91	1.0	7.0
S16LBRF	7840	3.74	1.91	1.0	7.0
R1LBRFH	12652	2.73	2.22	1.0	7.0
R2LBRFH	16488	3.41	2.07	1.0	7.0
R3LBRFH	17991	3.96	2.07	1.0	7.0
R4LBRFH	21384	3.92	2.08	1.0	7.0
R5LBRFH	19578	4.06	2.06	1.0	7.0
R6LBRFH	18165	4.19	1.98	1.0	7.0
R7LBRFH	20129	3.90	2.02	1.0	7.0
R8LBRFH	18469	4.01	1.94	1.0	7.0
R9LBRFH	17217	4.06	1.87	1.0	7.0
R10LBRFH	22034	3.70	1.95	1.0	7.0
R11LBRFH	20554	3.75	1.90	1.0	7.0
R12LBRFH	18747	3.84	1.85	1.0	7.0
R13LBRFH	20912	3.63	1.97	1.0	7.0
R14LBRFH	17146	3.74	1.92	1.0	7.0
R15LBRFH	15723	3.87	1.87	1.0	7.0
R16LBRFH	15787	3.83	1.88	1.0	7.0
S1LBRFH	9900	2.72	2.22	1.0	7.0
S2LBRFH	11605	3.26	2.10	1.0	7.0
S3LBRFH	11917	3.74	2.11	1.0	7.0
S4LBRFH	13980	3.72	2.13	1.0	7.0
S5LBRFH	12730	3.84	2.11	1.0	7.0
S6LBRFH	11639	3.97	2.04	1.0	7.0
S7LBRFH	12972	3.68	2.07	1.0	7.0
S8LBRFH	11735	3.80	2.00	1.0	7.0
S9LBRFH	10646	3.85	1.94	1.0	7.0
S10LBRFH	13513	3.52	2.01	1.0	7.0
S11LBRFH	12484	3.56	1.96	1.0	7.0
S12LBRFH	11012	3.64	1.93	1.0	7.0
S13LBRFH	11779	3.43	2.02	1.0	7.0
S14LBRFH	9358	3.58	1.98	1.0	7.0
S15LBRFH	8477	3.72	1.93	1.0	7.0
S16LBRFH	7840	3.72	1.93	1.0	7.0
R1LBRFY	7852	0.86	0.35	0.0	1.0
R2LBRFY	7211	0.84	0.37	0.0	1.0
R3LBRFY	5670	0.83	0.37	0.0	1.0
R4LBRFY	6876	0.84	0.36	0.0	1.0
R5LBRFY	5740	0.83	0.37	0.0	1.0
R6LBRFY	4712	0.83	0.38	0.0	1.0
R7LBRFY	6263	0.84	0.37	0.0	1.0
R8LBRFY	5154	0.85	0.36	0.0	1.0
R9LBRFY	4466	0.84	0.37	0.0	1.0
R10LBRFY	7197	0.81	0.39	0.0	1.0
R11LBRFY	6341	0.81	0.39	0.0	1.0
R12LBRFY	5336	0.79	0.41	0.0	1.0
R13LBRFY	7180	0.80	0.40	0.0	1.0
R14LBRFY	5395	0.79	0.41	0.0	1.0

R15LBRFY	4293	0.78	0.41	0.0	1.0
R16LBRFY	4533	0.78	0.41	0.0	1.0
S1LBRFY	6178	0.85	0.36	0.0	1.0
S2LBRFY	5550	0.84	0.37	0.0	1.0
S3LBRFY	4311	0.83	0.38	0.0	1.0
S4LBRFY	5127	0.84	0.37	0.0	1.0
S5LBRFY	4328	0.83	0.38	0.0	1.0
S6LBRFY	3544	0.81	0.39	0.0	1.0
S7LBRFY	4669	0.83	0.37	0.0	1.0
S8LBRFY	3848	0.84	0.36	0.0	1.0
S9LBRFY	3263	0.83	0.37	0.0	1.0
S10LBRFY	5004	0.81	0.39	0.0	1.0
S11LBRFY	4455	0.81	0.40	0.0	1.0
S12LBRFY	3691	0.79	0.41	0.0	1.0
S13LBRFY	4628	0.79	0.40	0.0	1.0
S14LBRFY	3342	0.79	0.41	0.0	1.0
S15LBRFY	2638	0.78	0.42	0.0	1.0
S16LBRFY	2488	0.78	0.41	0.0	1.0

Categorical Variable Codes

RwLBRF: R Labor Force Status

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+,presumed retired		2972								
.Q=Not asked,Lt65,not worke		46								
.T=Worked last 2 yr,now not		136								
1.Works FT	6633	5614	4698	5728	4724	3773	5182	4223	3682	5979
2.Works PT	1285	1625	962	1162	1025	916	1119	932	781	1382
3.Unemployed	408	323	231	239	206	246	313	215	238	899
4.Partly retired	452	588	1177	1511	1455	1373	1540	1487	1415	1496
5.Retired	2027	6796	8169	9445	8849	8819	9451	9480	9363	10387
6.Disabled	483	522	648	848	768	642	563	519	424	633
7.Not in LbrF	1364	1020	2106	2451	2551	2396	1961	1613	1314	1258

Value	w11	w12	w13	w14	w15	w16
.A=65+,presumed retired						
.Q=Not asked,Lt65,not worke						
.T=Worked last 2 yr,now not						
1.Works FT	5323	4484	6137	4606	3786	3939
2.Works PT	1209	1029	1246	919	789	787
3.Unemployed	661	416	533	346	361	347
4.Partly retired	1434	1376	1403	1196	1072	1117
5.Retired	10491	10295	9926	8883	8608	8460
6.Disabled	540	424	737	482	417	517
7.Not in LbrF	896	723	930	714	690	620

SwLBRF: S Labor Force Status

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+,presumed retired		1354								
.Q=Not asked,Lt65,not worke		45								
.T=Worked last 2 yr,now not		86								
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
1.Works FT	5196	4343	3571	4295	3580	2838	3858	3135	2687	4165
2.Works PT	1018	1209	717	836	749	679	819	695	561	928
3.Unemployed	297	206	156	162	140	162	212	135	154	565
4.Partly retired	381	478	900	1109	1052	990	1086	1043	996	1016
5.Retired	1604	4283	4975	5614	5334	5285	5541	5525	5278	5699
6.Disabled	263	269	308	414	360	310	271	249	187	310
7.Not in LbrF	1141	817	1290	1550	1515	1375	1185	953	783	830

Value	w11	w12	w13	w14	w15	w16
.A=65+,presumed retired						
.Q=Not asked,Lt65,not worke						
.T=Worked last 2 yr,now not						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Works FT	3727	3107	3954	2892	2322	2173
2.Works PT	839	683	781	523	458	389
3.Unemployed	414	252	277	169	193	163
4.Partly retired	933	880	870	697	603	589
5.Retired	5726	5412	5018	4443	4346	4004
6.Disabled	250	195	303	199	162	180
7.Not in LbrF	595	483	576	435	393	342

RwLBRFH: Labor Force Status, No Week Restriction

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+,presumed retired		2972								
.Q=Not asked,Lt65,not worke		46								
.T=Worked last 2 yr,now not		136								
1.Works FT	6855	5797	4880	5940	4923	3957	5401	4410	3842	6249
2.Works PT	1109	1491	852	1041	910	828	980	820	695	1196
3.Unemployed	408	323	231	239	206	246	313	215	238	899
4.Partly retired	406	539	1105	1420	1371	1277	1460	1412	1341	1412
5.Retired	2027	6796	8169	9445	8849	8819	9451	9480	9363	10387
6.Disabled	483	522	648	848	768	642	563	519	424	633
7.Not in LbrF	1364	1020	2106	2451	2551	2396	1961	1613	1314	1258

Value	w11	w12	w13	w14	w15	w16
.A=65+,presumed retired						
.Q=Not asked,Lt65,not worke						
.T=Worked last 2 yr,now not						
1.Works FT	5555	4695	6432	4819	3979	4121
2.Works PT	1055	896	1050	787	663	665
3.Unemployed	661	416	533	346	361	347
4.Partly retired	1356	1298	1304	1115	1005	1057
5.Retired	10491	10295	9926	8883	8608	8460
6.Disabled	540	424	737	482	417	517
7.Not in LbrF	896	723	930	714	690	620

SwLBRFH: Labor Force Status, No Week Restriction

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+,presumed retired		1354								
.Q=Not asked,Lt65,not worke		45								
.T=Worked last 2 yr,now not		86								
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
1.Works FT	5368	4493	3719	4462	3735	2983	4029	3280	2801	4359
2.Works PT	888	1102	632	745	666	615	717	615	503	800
3.Unemployed	297	206	156	162	140	162	212	135	154	565
4.Partly retired	339	435	837	1033	980	909	1017	978	940	950
5.Retired	1604	4283	4975	5614	5334	5285	5541	5525	5278	5699
6.Disabled	263	269	308	414	360	310	271	249	187	310
7.Not in LbrF	1141	817	1290	1550	1515	1375	1185	953	783	830

Value	w11	w12	w13	w14	w15	w16
.A=65+,presumed retired						
.Q=Not asked,Lt65,not worke						
.T=Worked last 2 yr,now not						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Works FT	3900	3255	4142	3007	2432	2269
2.Works PT	722	588	655	453	383	327
3.Unemployed	414	252	277	169	193	163
4.Partly retired	877	827	808	652	568	555
5.Retired	5726	5412	5018	4443	4346	4004
6.Disabled	250	195	303	199	162	180
7.Not in LbrF	595	483	576	435	393	342

RwLBRFY: Labor Force Status Year Round Flag

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.J=Web interview, missing										
.M=Oth missing	112	77	62	105	93	73	118	76	71	248
.S=Not Working FT/PT	4688	12354	12259	14403	13745	13380	13748	13239	12680	14589
0.Works Part Year	1135	1155	936	1075	957	819	1009	796	720	1335
1.Works Year Round	6717	6056	4734	5801	4783	3893	5254	4358	3746	5862

Value	w11	w12	w13	w14	w15	w16
.J=Web interview, missing				10	24	10
.M=Oth missing	269	255	302	201	325	243
.S=Not Working FT/PT	13944	13156	13430	11540	11081	11001
0.Works Part Year	1206	1112	1428	1124	940	995
1.Works Year Round	5135	4224	5752	4271	3353	3538

SwLBRFY: Labor Force Status Year Round Flag

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.J=Web interview, missing										
.M=Oth missing	78	45	40	80	73	54	77	47	41	155
.S=Not Working FT/PT	3644	7495	7566	8773	8329	8041	8226	7840	7342	8354
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.Works Part Year	916	889	731	823	745	660	780	604	539	941
1.Works Year Round	5262	4661	3580	4304	3583	2884	3889	3244	2724	4063

Value	w11	w12	w13	w14	w15	w16
.J=Web interview, missing				3	17	4
.M=Oth missing	167	152	169	115	160	104
.S=Not Working FT/PT	7862	7169	6982	5898	5662	5244
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Works Part Year	864	793	950	696	587	539
1.Works Year Round	3591	2898	3678	2646	2051	1949

How Constructed

RwLBRF summarizes the labor force status for the Respondent at each wave as working full-time, working part-time, unemployed, partly retired, retired, disabled, or not in the labor force. SwLBRF summarizes the labor force status for the Respondent's spouse or partner.

The derivation uses many different questions that are available each wave. A Respondent can give evidence of working, being retired, and disability alone or in combination with other statuses. RwLBRF attempts to pull information from several sources, and sort through the discrepancies.

If the Respondent is working full-time, RwLBRF is set to this status. If they are working part-time and mentions retirement, RwLBRF is set to partly retired. If there is no mention of retirement, RwLBRF is set to working part-time.

If the Respondent is not working but is looking for a job, RwLBRF is set to unemployed. If the Respondent is not looking for a job and there is any mention of retirement, RwLBRF is set to retired. If retirement is not mentioned and a disabled employment status is given, RwLBRF is set to disabled. Otherwise, RwLBRF is set to "not in the labor force."

Working 35+ hours per week, 36+ weeks per year is considered full-time. Less than this is considered part-time. The hours and weeks from both the main and second job are considered in determining whether the Respondent is working full-time or part-time. In Wave 2A, there are no questions about a second job, so for the AHEAD Respondents, the hours and weeks from the main job only are considered.

A mention of retirement can be made either through the employment status or the questions that ask the Respondent whether they consider themselves retired. Please see descriptions of RwSAYRET and RwRETEMP in the Retirement Plans and Expectations section.

Specific questions ask about whether the Respondent is looking for a full-time or part-time job.

In Wave 2A, there are neither questions about employment status nor the questions that ask the Respondent whether they consider themselves retired, nor are there questions that ask about whether the Respondent is looking for a full-time or part-time job. So for the AHEAD Respondents, it is only possible to assign working full-time and working part-time codes in R2LBRF based on information from Wave 2A. To assign other codes for unemployed, retired and disabled, the information from subsequent waves is used.

If in a subsequent wave the Respondent reports being unemployed, retired or disabled, the date of unemployment, retirement or disability is compared with interview date. If the interview date is after the date of unemployment, retirement or disability, R2LBRF is set to the appropriate status.

If no information from a subsequent wave is used, then additional codes are assigned for AHEAD Respondents for R2LBRF. If the Respondent is not working now, but has worked in the last two years, R2LBRF is set to .T.

If the Respondent is not working now, and has not worked in the prior two years, but is over 65 years old, the SAS missing code .A is assigned. The analyst may want to assume these cases are retired. If the Respondent is not working now, and has not worked in the prior two years, and is not over 65 years old the code .Q is assigned, as the employment status was not asked.

There are some cases where the unemployment variable (RwUNEMP) does not match the Labor force variable (RwLBRF). This is due to slight coding differences. The Respondent must say they are looking for work to be considered to be unemployed in RwLBRF. It is not enough to mention being unemployed in the employment status variables. Whereas, a mention of being unemployed in the employment status variables will result in RwUNEMP being set to 1.Yes.

SwLBRF is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwLBRF.

RwLBRFH also summarizes the labor force status for the Respondent at each wave using the same sources. However, this variable invokes no week restriction where working 35+ hours per week is considered full-time employment, and working between 1 and 34 hours per week is considered part-time. SwLBRFH is taken from the wave "w" Spouse's self-report, i.e., from the Spouse's RwLBRFH.

For Respondents who have a labor force status classification of full-time or part-time in RwLBRFH, RwLBRFY indicates year-round and part-year employment. RwLBRFY flags Respondents working 50+ weeks per year as year-round employment, and working fewer than 50 weeks per year as part-year employment. SwLBRFY is taken from the wave "w" Spouse's self-report, i.e., from the Spouse's RwLBRFY.

Cross Wave Differences in Original HRS Data

Labor force status uses many pieces of employment data: whether working for pay, employment status, whether considers one's self retired, usual hours worked per week, usual weeks worked per year, second job, hours per week and weeks per year on second job, and whether looking for work.

These pieces are available in all waves, except Wave 2A. The wording for all of these questions is the same or similar across all waves where available. For more details please see RwWORK and RwWORK2 under "Currently working for pay" and RwJHOURS and RwJHOUR2 under "Hours worked per week" in this section (Employment), and RwSAYRET under "Considers self retired," and RwRETEMP under "Retired Employment Status" in the Retirement Plans and Expectations Section.

The questions about usual hours and weeks worked per year are asked of working Respondents each wave. In all but Wave 2A these questions are asked about the second job, if any. In Wave 2A these questions are asked about the main job only.

The question about looking for work is asked of Respondents who are not working. This question is asked in all waves except Wave 2A.

Though the wording of these questions is similar across waves, the navigation through the survey instrument and skip patterns vary quite a bit for some of these variables.

HRS Variables Used

```
HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V2701           F1A:WORKING
    V2702           F1B:UNEMP-LOOKING FR WRK
    V2703           F1C:SICK/OTHER LEAVE
    V2704           F1D:DISABLED
    V2705           F1E:RETIRED
    V2706           F1F:HOMEMAKER
    V2707           F1G:OTHER
    V2717           F2:ANY WRK FOR PAY  :IMP
    V2722           F8:WRK HRS/WK:THIS JOB
    V2726           F10:WKS/YR WORKING
    V2822           F28:S-E:WRK HRS/WK
    V2823           F29:S-E:WRKING WKS /YR
    V3327           F86:DNG ANY OTR WRK :IMP
    V3332           F87:HRS/WK WRK OTHR JOB
    V3333           F88:WKS/YR WRK OTHR JOB
    V3530           G39:LKING JB LAST 4 WKS
    V3531           G40:LKING PART/FULL TIME
    V3549           G44:CURR WANT JOB
    V3550           G44A:PREFR FULL/PRT TIME
    V4901           K1:RETRD:PART,ALL,OR:IMP
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1186           G6. CURR WORK: # HOURS PER WEEK
    B1187           G6A. CURR WORK: # WEEKS PER YEAR
HRS 1994:
    W3300           FA1.CURRENT JOB STATUS
    W3301           FA1.CURRENT JOB STATUS
    W3302           FA1.CURRENT JOB STATUS
    W3316           FA2.WORKING FOR PAY
    W3617           FA44.HOURS WORK PER WEEK
    W3623           FA47.NUMBER WEEKS PER YE
    W3956           FA117.ANY OTHER PAID WOR
    W3961           FA118.HOURS/WEEK ON 2ND
    W3962           FA119.WEEKS/YEAR ON 2ND
    W3983           FA123.CONSIDER SELF RETI
    W4313           FB17.HOURS WORK PER WEEK
    W4314           FB18.WEEKS WORK PER YEAR
    W4611           FB77.ANY OTHER PAID WORK
    W4616           FB78.HOURS/WEEK SECOND J
    W4617           FB79.WEEKS/YEAR SECOND J
    W4638           FB83.RETIREMENT
    W5002           FC28.DOING TO FIND WORK
    W5003           FC29.LOOKING FULL/PART T
    W5017           FC33.WANT JOB CURRENTLY
    W5018           FC33a.WANT FULL/PART TIM
    W5022           FC41.RETIREMENT
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2651           GA2.WORKING ANY CURRENT
    D2652           GA2A.RETIRED WORK ANY SINCE W1
    D2836           GA44. HOURS/WEEK WORKED
    D2846           GA47. WEEKS/YEAR WORKED
    D3110           GA117. ANY OTHER PAID WORK
    D3112           GA118. HOURS/WEEK SECOND JOBS
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    D3113           GA119. WEEKS/YEAR SECOND JOBS
    D3130           GA123.RETIREMENT
    D3256           GB17. HOURS/WEEK WORKED
    D3257           GB18. WEEKS/YEAR WORKED
    D3489           GB83.RETIREMENT
    D3696           GC28.FIND WORK
    D3697           GC29.LOOK FOR PART TIME OR FULL TIME
    D3705           GC33.CURRENTLY WANT JOB
    D3706           GC33A.PREFER PART TIME OR FULL TIME
    D3711           GC41.RETIREMENT
    D3728           GC47. WORK AFTER/BEFORE
HRS 1996:
    E2611M1         G1.CURRENT JOB STATUS
    E2611M2         G1.CURRENT JOB STATUS
    E2611M3         G1.CURRENT JOB STATUS
    E2627           G2.WORKING FOR PAY
    E2736           G44.HOURS WORK PER WEEK
    E2746           G47.WEEKS PER YEAR USUALLY WORK
    E2984           G115.DOING TO FIND WORK
    E2985           G116.LOOKING FULL/PART-TIME WORK
    E2993           G119.WANT JOB CURRENTLY
    E2994           G119A.WANT FULL/PART-TIME WORK?
    E3019           G128.ANY OTHER PAID WORK
    E3021           G129.HOURS/WEEK ON 2ND JOB
    E3022           G130.WEEKS/YEAR ON 2ND JOB
    E3039           G134.CONSIDER SELF RETIRED
HRS 1998:
    F3115M1         G1.CURRENT JOB STATUS
    F3115M2         G1.CURRENT JOB STATUS
    F3115M3         G1.CURRENT JOB STATUS
    F3131           G2.WORKING FOR PAY
    F3259           G44.HOURS WORK PER WEEK
    F3269           G47.WEEKS PER YEAR USUALLY WORK
    F3513           G115.DOING TO FIND WORK
    F3514           G116.LOOKING FULL/PART-TIME WORK
    F3522           G119.WANT JOB CURRENTLY
    F3523           G119A.WANT FULL/PART-TIME WORK?
    F3549           G128.ANY OTHER PAID WORK
    F3551           G129.HOURS/WEEK ON 2ND JOB
    F3552           G130.WEEKS/YEAR ON 2ND JOB
    F3570           G134.CONSIDER SELF RETIRED
HRS 2000:
    G3365M1         G1.CURRENT JOB STATUS
    G3365M2         G1.CURRENT JOB STATUS
    G3365M3         G1.CURRENT JOB STATUS
    G3381           G2.WORKING FOR PAY
    G3509           G44.HOURS WORK PER WEEK
    G3519           G47.WEEKS PER YEAR USUALLY WORK
    G3800           G115.DOING TO FIND WORK
    G3801           G116.LOOKING FULL/PART-TIME WORK
    G3809           G119.WANT JOB CURRENTLY
    G3810           G119A.WANT FULL/PART-TIME WORK?
    G3838           G128.ANY OTHER PAID WORK
    G3840           G129.HOURS/WEEK ON 2ND JOB
    G3841           G130.WEEKS/YEAR ON 2ND JOB
    G3859           G134.CONSIDER SELF RETIRED
HRS 2002-2014:
    xJ578           CONSIDER SELF RETIRED
HRS 2002-2022:
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xJ005M1	CURRENT JOB STATUS- 1
xJ005M2	CURRENT JOB STATUS- 2
xJ005M3	CURRENT JOB STATUS- 3
xJ020	WORKING FOR PAY
xJ172	HRS WORK PER WEEK
xJ179	WKS PR YR USUALLY WORK
xJ517	DOING WHAT TO FIND WORK- NOT WORKING
xJ518	LOOKING FULL/PART-TIME WORK- NOT WORKING
xJ527	WANT JOB CURRENTLY
xJ528	WANT FULL/PART-TIME WORK- NOT WORKING
xJ553	ANY OTR PAID WORK
xJ556	HRS/WK ON 2ND JOB
xJ557	WKS/YR ON 2ND JOB

In the labor force

Wave	Variable	Label	Type
1	R1INLBRF	R1INLBRF:W1 =1 if R is in the labor force	Categ
2	R2INLBRF	R2INLBRF:W2 =1 if R is in the labor force	Categ
3	R3INLBRF	R3INLBRF:W3 =1 if R is in the labor force	Categ
4	R4INLBRF	R4INLBRF:W4 =1 if R is in the labor force	Categ
5	R5INLBRF	R5INLBRF:W5 =1 if R is in the labor force	Categ
6	R6INLBRF	R6INLBRF:W6 =1 if R is in the labor force	Categ
7	R7INLBRF	R7INLBRF:W7 =1 if R is in the labor force	Categ
8	R8INLBRF	R8INLBRF:W8 =1 if R is in the labor force	Categ
9	R9INLBRF	R9INLBRF:W9 =1 if R is in the labor force	Categ
10	R10INLBRF	R10INLBRF:W10 =1 if R is in the labor force	Categ
11	R11INLBRF	R11INLBRF:W11 =1 if R is in the labor force	Categ
12	R12INLBRF	R12INLBRF:W12 =1 if R is in the labor force	Categ
13	R13INLBRF	R13INLBRF:W13 =1 if R is in the labor force	Categ
14	R14INLBRF	R14INLBRF:W14 =1 if R is in the labor force	Categ
15	R15INLBRF	R15INLBRF:W15 =1 if R is in the labor force	Categ
16	R16INLBRF	R16INLBRF:W16 =1 if R is in the labor force	Categ
1	S1INLBRF	S1INLBRF:W1 =1 if S is in the labor force	Categ
2	S2INLBRF	S2INLBRF:W2 =1 if S is in the labor force	Categ
3	S3INLBRF	S3INLBRF:W3 =1 if S is in the labor force	Categ
4	S4INLBRF	S4INLBRF:W4 =1 if S is in the labor force	Categ
5	S5INLBRF	S5INLBRF:W5 =1 if S is in the labor force	Categ
6	S6INLBRF	S6INLBRF:W6 =1 if S is in the labor force	Categ
7	S7INLBRF	S7INLBRF:W7 =1 if S is in the labor force	Categ
8	S8INLBRF	S8INLBRF:W8 =1 if S is in the labor force	Categ
9	S9INLBRF	S9INLBRF:W9 =1 if S is in the labor force	Categ
10	S10INLBRF	S10INLBRF:W10 =1 if S is in the labor force	Categ
11	S11INLBRF	S11INLBRF:W11 =1 if S is in the labor force	Categ
12	S12INLBRF	S12INLBRF:W12 =1 if S is in the labor force	Categ
13	S13INLBRF	S13INLBRF:W13 =1 if S is in the labor force	Categ
14	S14INLBRF	S14INLBRF:W14 =1 if S is in the labor force	Categ
15	S15INLBRF	S15INLBRF:W15 =1 if S is in the labor force	Categ
16	S16INLBRF	S16INLBRF:W16 =1 if S is in the labor force	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1INLBRF	12637	0.70	0.46	0.0	1.0
R2INLBRF	16443	0.50	0.50	0.0	1.0
R3INLBRF	17638	0.40	0.49	0.0	1.0
R4INLBRF	20919	0.41	0.49	0.0	1.0
R5INLBRF	19092	0.39	0.49	0.0	1.0
R6INLBRF	17683	0.36	0.48	0.0	1.0
R7INLBRF	19653	0.41	0.49	0.0	1.0
R8INLBRF	18019	0.38	0.49	0.0	1.0
R9INLBRF	16756	0.36	0.48	0.0	1.0
R10INLBRF	21366	0.46	0.50	0.0	1.0
R11INLBRF	20021	0.43	0.50	0.0	1.0
R12INLBRF	18266	0.40	0.49	0.0	1.0
R13INLBRF	20497	0.45	0.50	0.0	1.0
R14INLBRF	16864	0.42	0.49	0.0	1.0
R15INLBRF	15479	0.39	0.49	0.0	1.0
R16INLBRF	15522	0.40	0.49	0.0	1.0
S1INLBRF	9895	0.70	0.46	0.0	1.0
S2INLBRF	11574	0.54	0.50	0.0	1.0
S3INLBRF	11818	0.45	0.50	0.0	1.0

S4INLBRF	13883	0.46	0.50	0.0	1.0
S5INLBRF	12628	0.44	0.50	0.0	1.0
S6INLBRF	11548	0.40	0.49	0.0	1.0
S7INLBRF	12889	0.46	0.50	0.0	1.0
S8INLBRF	11651	0.43	0.50	0.0	1.0
S9INLBRF	10562	0.42	0.49	0.0	1.0
S10INLBRF	13291	0.50	0.50	0.0	1.0
S11INLBRF	12372	0.48	0.50	0.0	1.0
S12INLBRF	10919	0.45	0.50	0.0	1.0
S13INLBRF	11682	0.50	0.50	0.0	1.0
S14INLBRF	9288	0.46	0.50	0.0	1.0
S15INLBRF	8432	0.42	0.49	0.0	1.0
S16INLBRF	7786	0.42	0.49	0.0	1.0

Categorical Variable Codes

RwINLBRF: =1 if R is in the labor force

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+ presumed retired		2991								
.D=DK		2	6			1	2	2	2	2
.I=Institutionalized		8	298	429	456	460	460	438	441	469
.J=Web interview, missing										
.M=Oth missing	15	25	47	30	26	15	11	10	14	185
.Q=Not asked,Lt65,not worki		51								
.R=RF		4	2	6	4	6	3		4	12
.T=Not working now,worked l		118								
0.No	3854	8296	10590	12287	11685	11379	11501	11161	10642	11611
1.Yes	8783	8147	7048	8632	7407	6304	8152	6858	6114	9755

Value	w11	w12	w13	w14	w15	w16
.A=65+ presumed retired						
.D=DK	6	3	6	11	5	5
.I=Institutionalized	478	442	309	183	131	142
.J=Web interview, missing				19	6	14
.M=Oth missing	36	28	88	57	89	93
.Q=Not asked,Lt65,not worki						
.R=RF	13	8	12	12	13	11
.T=Not working now,worked l						
0.No	11413	10971	11190	9800	9502	9368
1.Yes	8608	7295	9307	7064	5977	6154

SwINLBRF: =1 if S is in the labor force

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+ presumed retired		1383								
.D=DK			1							
.I=Institutionalized		3	82	88	95	82	80	83	76	108
.J=Web interview, missing										
.M=Oth missing	5	5	16	8	7	6	1	1	4	110
.Q=Not asked,Lt65,not worki		50								
.R=RF		1		1		3	2		4	4
.T=Not working now,worked l		74								
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No	3002	5340	6489	7485	7107	6882	6914	6642	6165	6618
1.Yes	6893	6234	5329	6398	5521	4666	5975	5009	4397	6673

Value	w11	w12	w13	w14	w15	w16
.A=65+ presumed retired						
.D=DK	3		1	4	2	2
.I=Institutionalized	97	82	66	38	28	23
.J=Web interview, missing				15	2	9
.M=Oth missing	8	8	26	9	12	18
.Q=Not asked,Lt65,not worki						
.R=RF	4	3	4	4	1	2
.T=Not working now,worked l						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No	6470	6006	5812	5009	4875	4488
1.Yes	5902	4913	5870	4279	3557	3298

How Constructed

RwINLBRF is an indicator for whether the Respondent is considered part of the labor force as defined by the Bureau of Labor Statistics (BLS). Briefly, this definition considers those who are working for pay, or those who are not working but actively seeking work as part of the labor force.

SwINLBRF is an indicator for whether the Respondent's spouse is considered part of the labor force.

The derivation uses questions about current work status, work for pay, and activities related to job seeking. Institutionalized Respondents (i.e. those in a nursing home) are not included in the derivation.

If the Respondent is working for pay, RwINLBRF is set to "in the labor force." If the Respondent is not working for pay, but reports actively looking for a job in the last four weeks, RwINLBRF is set to "in the labor force." If the Respondent is neither working for pay nor looking for work and reports being retired, disabled, or a homemaker as their current job status, RwINLBRF is set to "not in the labor force."

In Wave 2A, there are neither questions about employment status nor questions that ask the Respondent whether they consider themselves retired, neither are there questions that ask about whether the Respondent is looking for work. So for the AHEAD Respondents, it is only possible to determine whether the Respondent was working for pay or not. If the Respondent is not working for pay, it cannot be determined if the person is looking for work based on information from Wave 2A. To further determine labor force status, the unemployment, retirement and disability status information from subsequent waves is used.

If in a subsequent wave the Respondent reports being unemployed, retired or disabled, the date of unemployment, retirement or disability is compared with interview date. If the interview date is after the date of unemployment, retirement or disability, R2INLBRF is set to the appropriate status.

If no information from subsequent waves is used, then additional codes are assigned for the AHEAD Respondents for R2INLBRF. If the Respondent is not working now, but has worked in the last two years, R2INLBRF is set to .T.

If the Respondent is not working now, and has not worked in the prior two years, but is over 65 years old, R2INLBRF is set to .A. The analyst may want to assume these cases are retired. If the Respondent is not working now, has not worked in the prior two years, and is not over 65 years old, R2INLBRF is set to .Q, as the employment status was not asked.

SwINLBRF is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwINLBRF.

Cross Wave Differences in Original HRS Data

Labor force status uses several pieces of employment data: whether working for pay, current job status, and whether looking for work.

These pieces are available in all waves, except Wave 2A. The wording for all of these questions is the same or similar across all waves where available.

The question about current job status is asked in all waves except Wave 2A.

The question about looking for work is asked of Respondents who are not working. This question is asked in all waves except Wave 2A.

Though the wording of these questions is similar across waves, the navigation through the survey instrument and skip patterns vary quite a bit for some of these variables.

HRS Variables Used

```
HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V2701           F1A:WORKING
    V2702           F1B:UNEMP-LOOKING FR WRK
    V2703           F1C:SICK/OTHER LEAVE
    V2704           F1D:DISABLED
    V2705           F1E:RETIRED
    V2706           F1F:HOMEMAKER
    V2707           F1G:OTHER
    V2717           F2:ANY WRK FOR PAY  :IMP
    V3530           G39:LKING JB LAST 4 WKS
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1175           G1a. WORK LAST 2 YRS?
    BIWYEAR         1993 INTERVIEW YEAR
HRS 1994:
    W3300           FA1.CURRENT JOB STATUS
    W3301           FA1.CURRENT JOB STATUS
    W3302           FA1.CURRENT JOB STATUS
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2627           GA1A. WHEN BECAME UNEMPLOYED
    D2628           GA1B. YEAR BECAME UNEMPLOYED
    D2638           GA1F. MONTH DISABLED
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    D2639           GA1G. YEAR DISABLED
    D2651           GA2.WORKING ANY CURRENT
    D3696           GC28.FIND WORK
HRS 1996:
    E2611M1         G1.CURRENT JOB STATUS
    E2611M2         G1.CURRENT JOB STATUS
    E2611M3         G1.CURRENT JOB STATUS
    E2627           G2.WORKING FOR PAY
    E2984           G115.DOING TO FIND WORK
HRS 1998:
    F3115M1         G1.CURRENT JOB STATUS
    F3115M2         G1.CURRENT JOB STATUS
    F3115M3         G1.CURRENT JOB STATUS
    F3116           G1A.UNEMPLOYED-MONTH
    F3117           G1B.UNEMPLOYED-YEAR
    F3123           G1F.DISABLED-MONTH
    F3124           G1G.DISABLED-YEAR
    F3131           G2.WORKING FOR PAY
    F3513           G115.DOING TO FIND WORK
HRS 2000:
    G3365M1         G1.CURRENT JOB STATUS
    G3365M2         G1.CURRENT JOB STATUS
    G3365M3         G1.CURRENT JOB STATUS
    G3366           G1A.UNEMPLOYED-MONTH
    G3367           G1B.UNEMPLOYED-YEAR
    G3373           G1F.DISABLED-MONTH
    G3374           G1G.DISABLED-YEAR
    G3381           G2.WORKING FOR PAY
    G3800           G115.DOING TO FIND WORK
HRS 2002-2022:
    xJ005M1         CURRENT JOB STATUS- 1
    xJ005M2         CURRENT JOB STATUS- 2
    xJ005M3         CURRENT JOB STATUS- 3
    xJ007           MO UNEMPLOYED
    xJ008           YR UNEMPLOYED
    xJ014           DISABLED-MO
    xJ015           DISABLED- YR
    xJ020           WORKING FOR PAY
    xJ517           DOING WHAT TO FIND WORK- NOT WORKING
Tracker:
    xNURSHM             1992-2022 NURSING HOME STATUS
```

Retired Employment Status

Wave	Variable	Label	Type
1	R1RETEMP	R1RETEMP:W1 R GIVES RETIRED IN EMPSTAT	Categ
2	R2RETEMP	R2RETEMP:W2 R GIVES RETIRED IN EMPSTAT	Categ
3	R3RETEMP	R3RETEMP:W3 R GIVES RETIRED IN EMPSTAT	Categ
4	R4RETEMP	R4RETEMP:W4 R GIVES RETIRED IN EMPSTAT	Categ
5	R5RETEMP	R5RETEMP:W5 R GIVES RETIRED IN EMPSTAT	Categ
6	R6RETEMP	R6RETEMP:W6 R GIVES RETIRED IN EMPSTAT	Categ
7	R7RETEMP	R7RETEMP:W7 R GIVES RETIRED IN EMPSTAT	Categ
8	R8RETEMP	R8RETEMP:W8 R GIVES RETIRED IN EMPSTAT	Categ
9	R9RETEMP	R9RETEMP:W9 R GIVES RETIRED IN EMPSTAT	Categ
10	R10RETEMP	R10RETEMP:W10 R GIVES RETIRED IN EMPSTAT	Categ
11	R11RETEMP	R11RETEMP:W11 R GIVES RETIRED IN EMPSTAT	Categ
12	R12RETEMP	R12RETEMP:W12 R GIVES RETIRED IN EMPSTAT	Categ
13	R13RETEMP	R13RETEMP:W13 R GIVES RETIRED IN EMPSTAT	Categ
14	R14RETEMP	R14RETEMP:W14 R GIVES RETIRED IN EMPSTAT	Categ
15	R15RETEMP	R15RETEMP:W15 R GIVES RETIRED IN EMPSTAT	Categ
16	R16RETEMP	R16RETEMP:W16 R GIVES RETIRED IN EMPSTAT	Categ
1	S1RETEMP	S1RETEMP:W1 S GIVES RETIRED IN EMPSTAT	Categ
2	S2RETEMP	S2RETEMP:W2 S GIVES RETIRED IN EMPSTAT	Categ
3	S3RETEMP	S3RETEMP:W3 S GIVES RETIRED IN EMPSTAT	Categ
4	S4RETEMP	S4RETEMP:W4 S GIVES RETIRED IN EMPSTAT	Categ
5	S5RETEMP	S5RETEMP:W5 S GIVES RETIRED IN EMPSTAT	Categ
6	S6RETEMP	S6RETEMP:W6 S GIVES RETIRED IN EMPSTAT	Categ
7	S7RETEMP	S7RETEMP:W7 S GIVES RETIRED IN EMPSTAT	Categ
8	S8RETEMP	S8RETEMP:W8 S GIVES RETIRED IN EMPSTAT	Categ
9	S9RETEMP	S9RETEMP:W9 S GIVES RETIRED IN EMPSTAT	Categ
10	S10RETEMP	S10RETEMP:W10 S GIVES RETIRED IN EMPSTAT	Categ
11	S11RETEMP	S11RETEMP:W11 S GIVES RETIRED IN EMPSTAT	Categ
12	S12RETEMP	S12RETEMP:W12 S GIVES RETIRED IN EMPSTAT	Categ
13	S13RETEMP	S13RETEMP:W13 S GIVES RETIRED IN EMPSTAT	Categ
14	S14RETEMP	S14RETEMP:W14 S GIVES RETIRED IN EMPSTAT	Categ
15	S15RETEMP	S15RETEMP:W15 S GIVES RETIRED IN EMPSTAT	Categ
16	S16RETEMP	S16RETEMP:W16 S GIVES RETIRED IN EMPSTAT	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETEMP	12612	0.16	0.44	0.0	2.0
R2RETEMP	11402	0.22	0.50	0.0	2.0
R3RETEMP	17927	0.53	0.64	0.0	2.0
R4RETEMP	21329	0.53	0.64	0.0	2.0
R5RETEMP	19544	0.54	0.64	0.0	2.0
R6RETEMP	18141	0.56	0.61	0.0	2.0
R7RETEMP	20109	0.50	0.60	0.0	2.0
R8RETEMP	18452	0.56	0.61	0.0	2.0
R9RETEMP	17192	0.60	0.62	0.0	2.0
R10RETEMP	21830	0.49	0.62	0.0	2.0
R11RETEMP	20492	0.52	0.63	0.0	2.0
R12RETEMP	18703	0.55	0.63	0.0	2.0
R13RETEMP	20796	0.47	0.60	0.0	2.0
R14RETEMP	17043	0.51	0.61	0.0	2.0
R15RETEMP	15604	0.55	0.61	0.0	2.0
R16RETEMP	15663	0.55	0.61	0.0	2.0
S1RETEMP	9876	0.17	0.46	0.0	2.0
S2RETEMP	8736	0.24	0.52	0.0	2.0
S3RETEMP	11897	0.50	0.64	0.0	2.0

S4RETEMP	13967	0.50	0.64	0.0	2.0
S5RETEMP	12723	0.51	0.64	0.0	2.0
S6RETEMP	11628	0.54	0.62	0.0	2.0
S7RETEMP	12967	0.48	0.60	0.0	2.0
S8RETEMP	11731	0.53	0.62	0.0	2.0
S9RETEMP	10636	0.57	0.62	0.0	2.0
S10RETEMP	13398	0.47	0.62	0.0	2.0
S11RETEMP	12466	0.49	0.62	0.0	2.0
S12RETEMP	11000	0.52	0.63	0.0	2.0
S13RETEMP	11745	0.45	0.61	0.0	2.0
S14RETEMP	9328	0.50	0.62	0.0	2.0
S15RETEMP	8455	0.54	0.62	0.0	2.0
S16RETEMP	7811	0.54	0.61	0.0	2.0

Categorical Variable Codes

RwRETEMP: R GIVES RETIRED IN EMPSTAT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.J=Web interview, missing										
.M=Oth missing	40	18	64	55	34	24	20	17	25	204
.Q=Not asked this wv		8222								
0.No retire empstat	11032	9309	9842	11769	10571	9208	11070	9408	8116	12620
1.Only retire empstat	1177	1636	6632	7848	7452	7771	7934	7833	7825	7758
2.Retire plus other empstat	403	457	1453	1712	1521	1162	1105	1211	1251	1452

Value	w11	w12	w13	w14	w15	w16
.J=Web interview, missing				15	5	8
.M=Oth missing	62	44	116	88	114	116
.Q=Not asked this wv						
0.No retire empstat	11277	9749	12211	9360	8058	8103
1.Only retire empstat	7759	7593	7376	6595	6553	6567
2.Retire plus other empstat	1456	1361	1209	1088	993	993

SwRETEMP: S GIVES RETIRED IN EMPSTAT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.J=Web interview, missing										
.M=Oth missing	24	5	20	13	7	11	5	4	10	115
.Q=Not asked this wv		4549								
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
0.No retire empstat	8515	7008	6867	8147	7170	6123	7474	6301	5331	8032
1.Only retire empstat	1009	1360	4058	4701	4576	4750	4764	4666	4543	4480
2.Retire plus other empstat	352	368	972	1119	977	755	729	764	762	886

Value	w11	w12	w13	w14	w15	w16
.J=Web interview, missing				11	4	5
.M=Oth missing	18	12	34	19	18	24
.Q=Not asked this wv						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No retire empstat	7188	6059	7134	5265	4449	4059
1.Only retire empstat	4412	4154	3900	3446	3445	3253
2.Retire plus other empstat	866	787	711	617	561	499

How Constructed

There are at least 2 places in every wave where the Respondent could report being retired. See also "Whether retired, Consider self retired" (RwSAYRET).

RwRETEMP is derived from employment status. The Respondent can report a retired status alone or in addition to other statuses, such as working, disabled, or unemployed. RwRETEMP is set to 1 if the Respondent only reports a retired status, or 2 if the Respondent reports being retired in addition to another status. It is set to 0 if no retirement status is reported at all.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwRETEMP.

In Wave 2A, employment status is not asked, R2RETEMP is set to .Q to indicate that the information is not available.

See also Labor Force Status (RwLBRF and SwLBRF).

Cross Wave Differences in Original HRS Data

In Wave 2A, this question is not asked at all.

HRS Variables Used

HRS 1992:

V2701	F1A:WORKING
V2702	F1B:UNEMP-LOOKING FR WRK
V2703	F1C:SICK/OTHER LEAVE
V2704	F1D:DISABLED
V2705	F1E:RETIRED
V2706	F1F:HOMEMAKER
V2707	F1G:OTHER

```
HRS 1994:
    W117            ICS5a. Reason for Proxy
    W3300           FA1.CURRENT JOB STATUS
    W3301           FA1.CURRENT JOB STATUS
    W3302           FA1.CURRENT JOB STATUS
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
HRS 1996:
    E2611M1         G1.CURRENT JOB STATUS
    E2611M2         G1.CURRENT JOB STATUS
    E2611M3         G1.CURRENT JOB STATUS
HRS 1998:
    F3115M1         G1.CURRENT JOB STATUS
    F3115M2         G1.CURRENT JOB STATUS
    F3115M3         G1.CURRENT JOB STATUS
HRS 2000:
    G3365M1         G1.CURRENT JOB STATUS
    G3365M2         G1.CURRENT JOB STATUS
    G3365M3         G1.CURRENT JOB STATUS
HRS 2002:
    HJ005M5         CURRENT JOB STATUS- 5
HRS 2004:
    JJ005M5         CURRENT JOB STATUS- 5
HRS 2006:
    KJ005M5         CURRENT JOB STATUS- 5
HRS 2010:
    MJ005M5         CURRENT JOB STATUS- 5
HRS 2012:
    NJ005M5         CURRENT JOB STATUS- 5
HRS 2014:
    OJ005M5         CURRENT JOB STATUS- 5
HRS 2016:
    PJ005M5         CURRENT JOB STATUS- 5
HRS 2018:
    QJ005M5         CURRENT JOB STATUS- 5
HRS 2020:
    RJ005M5         CURRENT JOB STATUS- 5
HRS 2022:
    SJ005M5         CURRENT JOB STATUS- 5
HRS 2002-2022:
    xJ005M1         CURRENT JOB STATUS- 1
    xJ005M2         CURRENT JOB STATUS- 2
    xJ005M3         CURRENT JOB STATUS- 3
    xJ005M4         CURRENT JOB STATUS- 4
```

Unemployed

Wave	Variable	Label	Type
1	R1UNEMP	R1UNEMP:W1 =1 if R is unemployed	Categ
2	R2UNEMP	R2UNEMP:W2 =1 if R is unemployed	Categ
3	R3UNEMP	R3UNEMP:W3 =1 if R is unemployed	Categ
4	R4UNEMP	R4UNEMP:W4 =1 if R is unemployed	Categ
5	R5UNEMP	R5UNEMP:W5 =1 if R is unemployed	Categ
6	R6UNEMP	R6UNEMP:W6 =1 if R is unemployed	Categ
7	R7UNEMP	R7UNEMP:W7 =1 if R is unemployed	Categ
8	R8UNEMP	R8UNEMP:W8 =1 if R is unemployed	Categ
9	R9UNEMP	R9UNEMP:W9 =1 if R is unemployed	Categ
10	R10UNEMP	R10UNEMP:W10 =1 if R is unemployed	Categ
11	R11UNEMP	R11UNEMP:W11 =1 if R is unemployed	Categ
12	R12UNEMP	R12UNEMP:W12 =1 if R is unemployed	Categ
13	R13UNEMP	R13UNEMP:W13 =1 if R is unemployed	Categ
14	R14UNEMP	R14UNEMP:W14 =1 if R is unemployed	Categ
15	R15UNEMP	R15UNEMP:W15 =1 if R is unemployed	Categ
16	R16UNEMP	R16UNEMP:W16 =1 if R is unemployed	Categ
1	S1UNEMP	S1UNEMP:W1 =1 if S is unemployed	Categ
2	S2UNEMP	S2UNEMP:W2 =1 if S is unemployed	Categ
3	S3UNEMP	S3UNEMP:W3 =1 if S is unemployed	Categ
4	S4UNEMP	S4UNEMP:W4 =1 if S is unemployed	Categ
5	S5UNEMP	S5UNEMP:W5 =1 if S is unemployed	Categ
6	S6UNEMP	S6UNEMP:W6 =1 if S is unemployed	Categ
7	S7UNEMP	S7UNEMP:W7 =1 if S is unemployed	Categ
8	S8UNEMP	S8UNEMP:W8 =1 if S is unemployed	Categ
9	S9UNEMP	S9UNEMP:W9 =1 if S is unemployed	Categ
10	S10UNEMP	S10UNEMP:W10 =1 if S is unemployed	Categ
11	S11UNEMP	S11UNEMP:W11 =1 if S is unemployed	Categ
12	S12UNEMP	S12UNEMP:W12 =1 if S is unemployed	Categ
13	S13UNEMP	S13UNEMP:W13 =1 if S is unemployed	Categ
14	S14UNEMP	S14UNEMP:W14 =1 if S is unemployed	Categ
15	S15UNEMP	S15UNEMP:W15 =1 if S is unemployed	Categ
16	S16UNEMP	S16UNEMP:W16 =1 if S is unemployed	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1UNEMP	8783	0.05	0.21	0.0	1.0
R2UNEMP	8147	0.04	0.20	0.0	1.0
R3UNEMP	7048	0.03	0.18	0.0	1.0
R4UNEMP	8632	0.03	0.16	0.0	1.0
R5UNEMP	7407	0.03	0.16	0.0	1.0
R6UNEMP	6304	0.04	0.19	0.0	1.0
R7UNEMP	8152	0.04	0.19	0.0	1.0
R8UNEMP	6858	0.03	0.18	0.0	1.0
R9UNEMP	6114	0.04	0.19	0.0	1.0
R10UNEMP	9755	0.09	0.29	0.0	1.0
R11UNEMP	8608	0.08	0.26	0.0	1.0
R12UNEMP	7295	0.06	0.23	0.0	1.0
R13UNEMP	9307	0.06	0.23	0.0	1.0
R14UNEMP	7064	0.05	0.22	0.0	1.0
R15UNEMP	5977	0.06	0.23	0.0	1.0
R16UNEMP	6154	0.06	0.23	0.0	1.0
S1UNEMP	6893	0.04	0.20	0.0	1.0
S2UNEMP	6234	0.03	0.18	0.0	1.0
S3UNEMP	5329	0.03	0.17	0.0	1.0

S4UNEMP	6398	0.03	0.16	0.0	1.0
S5UNEMP	5521	0.03	0.16	0.0	1.0
S6UNEMP	4666	0.03	0.18	0.0	1.0
S7UNEMP	5975	0.04	0.19	0.0	1.0
S8UNEMP	5009	0.03	0.16	0.0	1.0
S9UNEMP	4397	0.04	0.18	0.0	1.0
S10UNEMP	6673	0.08	0.28	0.0	1.0
S11UNEMP	5902	0.07	0.25	0.0	1.0
S12UNEMP	4913	0.05	0.22	0.0	1.0
S13UNEMP	5870	0.05	0.21	0.0	1.0
S14UNEMP	4279	0.04	0.19	0.0	1.0
S15UNEMP	3557	0.05	0.22	0.0	1.0
S16UNEMP	3298	0.05	0.22	0.0	1.0

Categorical Variable Codes

RwUNEMP: =1 if R is unemployed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+ presumed retired		2991								
.D=DK		2	6			1	2	2	2	2
.I=Institutionalized		8	298	429	456	460	460	438	441	469
.J=Web interview, missing										
.M=Oth missing	15	25	47	30	26	15	11	10	14	185
.Q=Not asked,Lt65,not worki		51								
.R=RF		4	2	6	4	6	3		4	12
.T=Not working now,worked l		118								
.X=NA/Not in labor force	3854	8296	10590	12287	11685	11379	11501	11161	10642	11611
0.No	8370	7822	6815	8393	7201	6058	7839	6641	5877	8856
1.Yes	413	325	233	239	206	246	313	217	237	899

Value	w11	w12	w13	w14	w15	w16
.A=65+ presumed retired						
.D=DK	6	3	6	11	5	5
.I=Institutionalized	478	442	309	183	131	142
.J=Web interview, missing				19	6	14
.M=Oth missing	36	28	88	57	89	93
.Q=Not asked,Lt65,not worki						
.R=RF	13	8	12	12	13	11
.T=Not working now,worked l						
.X=NA/Not in labor force	11413	10971	11190	9800	9502	9368
0.No	7957	6884	8777	6719	5635	5805
1.Yes	651	411	530	345	342	349

SwUNEMP: =1 if S is unemployed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+ presumed retired		1383								
.D=DK			1							
.I=Institutionalized		3	82	88	95	82	80	83	76	108
.J=Web interview, missing										
.M=Oth missing	5	5	16	8	7	6	1	1	4	110
.Q=Not asked,Lt65,not worki		50								
.R=RF		1		1		3	2		4	4
.T=Not working now,worked l		74								
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
.X=NA/Not in labor force	3002	5340	6489	7485	7107	6882	6914	6642	6165	6618
0.No	6595	6026	5172	6236	5380	4504	5763	4872	4243	6108
1.Yes	298	208	157	162	141	162	212	137	154	565

Value	w11	w12	w13	w14	w15	w16
.A=65+ presumed retired						
.D=DK	3		1	4	2	2
.I=Institutionalized	97	82	66	38	28	23
.J=Web interview, missing				15	2	9
.M=Oth missing	8	8	26	9	12	18
.Q=Not asked,Lt65,not worki						
.R=RF	4	3	4	4	1	2
.T=Not working now,worked l						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.X=NA/Not in labor force	6470	6006	5812	5009	4875	4488
0.No	5496	4666	5598	4111	3378	3135
1.Yes	406	247	272	168	179	163

How Constructed

RwUNEMP is an indicator for whether the Respondent is considered unemployed as defined by the Bureau of Labor Statistics (BLS). Briefly, this definition considers those who are not working but actively seeking work as unemployed. SwUNEMP is an indicator for whether the Respondent's spouse is considered unemployed.

The derivation uses questions about current work status, work for pay, and activities related to job seeking. Institutionalized Respondents (i.e. those in a nursing home) are not included in the derivation.

If the Respondent is working for pay, then RwUNEMP is set to employed.

If the Respondent is not working for pay and also reports actively looking for a job in the last four weeks, RwUNEMP is set to unemployed. If the Respondent is not working for pay but considered "not in the labor force" according to RwINLBRF, then RwUNEMP is set to .X. See RwINLBRF is this section for more details.

In Wave 2A, there are neither questions about employment status nor are there questions that ask the Respondent whether they consider themselves retired, nor do the questions ask about whether the Respondent is looking for work. So for the AHEAD Respondents, it is only possible to determine whether the Respondent was working for pay or not. If the Respondent is not working for pay, it cannot be determined if the person is looking for work based on information from Wave 2A. To further determine unemployment status for Wave 2A, unemployment status information from subsequent waves is used.

If in a subsequent wave the Respondent reports being unemployed, the date of unemployment is compared with the interview date. If the interview date is after the date of unemployment, R2UNEMP is set to unemployed.

If no information from a subsequent wave is used, then additional codes are assigned for the AHEAD Respondents for R2UNEMP. If the Respondent is not working now, but has worked in the last two years, R2UNEMP is set to .T.

If the Respondent is not working now, and has not worked in the prior two years, but is over 65 years old, R2UNEMP is set to .A. The analyst may want to assume these cases are retired. If the Respondent is not working now, has not worked in the prior two years, and is not over 65 years old, R2UNEMP is set to .Q, as the employment status was not asked.

SwUNEMP is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwUNEMP.

Cross Wave Differences in Original HRS Data

Unemployment status uses several pieces of employment data: whether working for pay, current job status, and whether looking for work.

These pieces are available in all waves, except Wave 2A. The wording for all of these questions is the same or similar across all waves where available.

The question about current job status is asked in all waves except Wave 2A.

The question about looking for work is asked of Respondents who are not working. This question is asked in all waves except Wave 2A.

Though the wording of these questions is similar across waves, the navigation through the survey instrument and skip patterns vary quite a bit for some of these variables.

HRS Variables Used

```
HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V2701           F1A:WORKING
    V2702           F1B:UNEMP-LOOKING FR WRK
    V2703           F1C:SICK/OTHER LEAVE
    V2704           F1D:DISABLED
    V2705           F1E:RETIRED
    V2706           F1F:HOMEMAKER
    V2707           F1G:OTHER
    V2717           F2:ANY WRK FOR PAY  :IMP
    V3530           G39:LKING JB LAST 4 WKS
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1175           G1a. WORK LAST 2 YRS?
    BIWYEAR         1993 INTERVIEW YEAR
HRS 1994:
    W3300           FA1.CURRENT JOB STATUS
    W3301           FA1.CURRENT JOB STATUS
    W3302           FA1.CURRENT JOB STATUS
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2627           GA1A. WHEN BECAME UNEMPLOYED
    D2628           GA1B. YEAR BECAME UNEMPLOYED
    D2638           GA1F. MONTH DISABLED
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    D2639           GA1G. YEAR DISABLED
    D2651           GA2.WORKING ANY CURRENT
    D3696           GC28.FIND WORK
HRS 1996:
    E2611M1         G1.CURRENT JOB STATUS
    E2611M2         G1.CURRENT JOB STATUS
    E2611M3         G1.CURRENT JOB STATUS
    E2627           G2.WORKING FOR PAY
    E2984           G115.DOING TO FIND WORK
HRS 1998:
    F3115M1         G1.CURRENT JOB STATUS
    F3115M2         G1.CURRENT JOB STATUS
    F3115M3         G1.CURRENT JOB STATUS
    F3116           G1A.UNEMPLOYED-MONTH
    F3117           G1B.UNEMPLOYED-YEAR
    F3123           G1F.DISABLED-MONTH
    F3124           G1G.DISABLED-YEAR
    F3131           G2.WORKING FOR PAY
    F3513           G115.DOING TO FIND WORK
HRS 2000:
    G3365M1         G1.CURRENT JOB STATUS
    G3365M2         G1.CURRENT JOB STATUS
    G3365M3         G1.CURRENT JOB STATUS
    G3366           G1A.UNEMPLOYED-MONTH
    G3367           G1B.UNEMPLOYED-YEAR
    G3373           G1F.DISABLED-MONTH
    G3374           G1G.DISABLED-YEAR
    G3381           G2.WORKING FOR PAY
    G3800           G115.DOING TO FIND WORK
HRS 2002-2022:
    xJ005M1         CURRENT JOB STATUS- 1
    xJ005M2         CURRENT JOB STATUS- 2
    xJ005M3         CURRENT JOB STATUS- 3
    xJ007           MO UNEMPLOYED
    xJ008           YR UNEMPLOYED
    xJ014           DISABLED-MO
    xJ015           DISABLED- YR
    xJ020           WORKING FOR PAY
    xJ517           DOING WHAT TO FIND WORK- NOT WORKING
Tracker:
    xNURSHM             1992-2022 NURSING HOME STATUS
```

Hours of work per week at current job

Wave	Variable	Label	Type
1	R1JHOURS	R1JHOURS:W1 Hours worked/week main job	Cont
2	R2JHOURS	R2JHOURS:W2 Hours worked/week main job	Cont
3	R3JHOURS	R3JHOURS:W3 Hours worked/week main job	Cont
4	R4JHOURS	R4JHOURS:W4 Hours worked/week main job	Cont
5	R5JHOURS	R5JHOURS:W5 Hours worked/week main job	Cont
6	R6JHOURS	R6JHOURS:W6 Hours worked/week main job	Cont
7	R7JHOURS	R7JHOURS:W7 Hours worked/week main job	Cont
8	R8JHOURS	R8JHOURS:W8 Hours worked/week main job	Cont
9	R9JHOURS	R9JHOURS:W9 Hours worked/week main job	Cont
10	R10JHOURS	R10JHOURS:W10 Hours worked/week main job	Cont
11	R11JHOURS	R11JHOURS:W11 Hours worked/week main job	Cont
12	R12JHOURS	R12JHOURS:W12 Hours worked/week main job	Cont
13	R13JHOURS	R13JHOURS:W13 Hours worked/week main job	Cont
14	R14JHOURS	R14JHOURS:W14 Hours worked/week main job	Cont
15	R15JHOURS	R15JHOURS:W15 Hours worked/week main job	Cont
16	R16JHOURS	R16JHOURS:W16 Hours worked/week main job	Cont
1	S1JHOURS	S1JHOURS:W1 Hours worked/week main job	Cont
2	S2JHOURS	S2JHOURS:W2 Hours worked/week main job	Cont
3	S3JHOURS	S3JHOURS:W3 Hours worked/week main job	Cont
4	S4JHOURS	S4JHOURS:W4 Hours worked/week main job	Cont
5	S5JHOURS	S5JHOURS:W5 Hours worked/week main job	Cont
6	S6JHOURS	S6JHOURS:W6 Hours worked/week main job	Cont
7	S7JHOURS	S7JHOURS:W7 Hours worked/week main job	Cont
8	S8JHOURS	S8JHOURS:W8 Hours worked/week main job	Cont
9	S9JHOURS	S9JHOURS:W9 Hours worked/week main job	Cont
10	S10JHOURS	S10JHOURS:W10 Hours worked/week main job	Cont
11	S11JHOURS	S11JHOURS:W11 Hours worked/week main job	Cont
12	S12JHOURS	S12JHOURS:W12 Hours worked/week main job	Cont
13	S13JHOURS	S13JHOURS:W13 Hours worked/week main job	Cont
14	S14JHOURS	S14JHOURS:W14 Hours worked/week main job	Cont
15	S15JHOURS	S15JHOURS:W15 Hours worked/week main job	Cont
16	S16JHOURS	S16JHOURS:W16 Hours worked/week main job	Cont
1	R1JHOUR2	R1JHOUR2:W1 Hours worked/week 2nd job	Cont
2	R2JHOUR2	R2JHOUR2:W2 Hours worked/week 2nd job	Cont
3	R3JHOUR2	R3JHOUR2:W3 Hours worked/week 2nd job	Cont
4	R4JHOUR2	R4JHOUR2:W4 Hours worked/week 2nd job	Cont
5	R5JHOUR2	R5JHOUR2:W5 Hours worked/week 2nd job	Cont
6	R6JHOUR2	R6JHOUR2:W6 Hours worked/week 2nd job	Cont
7	R7JHOUR2	R7JHOUR2:W7 Hours worked/week 2nd job	Cont
8	R8JHOUR2	R8JHOUR2:W8 Hours worked/week 2nd job	Cont
9	R9JHOUR2	R9JHOUR2:W9 Hours worked/week 2nd job	Cont
10	R10JHOUR2	R10JHOUR2:W10 Hours worked/week 2nd job	Cont
11	R11JHOUR2	R11JHOUR2:W11 Hours worked/week 2nd job	Cont
12	R12JHOUR2	R12JHOUR2:W12 Hours worked/week 2nd job	Cont
13	R13JHOUR2	R13JHOUR2:W13 Hours worked/week 2nd job	Cont
14	R14JHOUR2	R14JHOUR2:W14 Hours worked/week 2nd job	Cont
15	R15JHOUR2	R15JHOUR2:W15 Hours worked/week 2nd job	Cont
16	R16JHOUR2	R16JHOUR2:W16 Hours worked/week 2nd job	Cont
1	S1JHOUR2	S1JHOUR2:W1 Hours worked/week 2nd job	Cont
2	S2JHOUR2	S2JHOUR2:W2 Hours worked/week 2nd job	Cont
3	S3JHOUR2	S3JHOUR2:W3 Hours worked/week 2nd job	Cont
4	S4JHOUR2	S4JHOUR2:W4 Hours worked/week 2nd job	Cont
5	S5JHOUR2	S5JHOUR2:W5 Hours worked/week 2nd job	Cont
6	S6JHOUR2	S6JHOUR2:W6 Hours worked/week 2nd job	Cont
7	S7JHOUR2	S7JHOUR2:W7 Hours worked/week 2nd job	Cont
8	S8JHOUR2	S8JHOUR2:W8 Hours worked/week 2nd job	Cont
9	S9JHOUR2	S9JHOUR2:W9 Hours worked/week 2nd job	Cont
10	S10JHOUR2	S10JHOUR2:W10 Hours worked/week 2nd job	Cont
11	S11JHOUR2	S11JHOUR2:W11 Hours worked/week 2nd job	Cont
12	S12JHOUR2	S12JHOUR2:W12 Hours worked/week 2nd job	Cont
13	S13JHOUR2	S13JHOUR2:W13 Hours worked/week 2nd job	Cont
14	S14JHOUR2	S14JHOUR2:W14 Hours worked/week 2nd job	Cont
15	S15JHOUR2	S15JHOUR2:W15 Hours worked/week 2nd job	Cont

16 S16JHOUR2 S16JHOUR2:W16 Hours worked/week 2nd job Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JHOURS	8309	40.25	13.05	1.0	95.0
R2JHOURS	7744	38.28	14.67	0.0	95.0
R3JHOURS	6708	37.26	14.93	0.0	95.0
R4JHOURS	8205	37.41	15.28	0.0	168.0
R5JHOURS	7028	36.85	15.89	0.0	168.0
R6JHOURS	5933	35.64	15.53	0.0	168.0
R7JHOURS	7666	36.89	15.46	0.0	168.0
R8JHOURS	6467	36.14	15.88	0.0	168.0
R9JHOURS	5738	35.40	15.47	0.0	168.0
R10JHOURS	8655	36.94	15.35	0.0	168.0
R11JHOURS	7727	36.64	14.99	0.0	168.0
R12JHOURS	6695	36.08	14.96	0.0	152.0
R13JHOURS	8517	37.60	14.81	0.0	168.0
R14JHOURS	6588	36.95	14.77	0.0	168.0
R15JHOURS	5425	36.49	14.51	0.0	168.0
R16JHOURS	5696	36.66	15.12	0.0	168.0
S1JHOURS	6549	40.43	13.23	1.0	95.0
S2JHOURS	5977	38.68	14.67	0.0	95.0
S3JHOURS	5100	37.54	14.95	0.0	95.0
S4JHOURS	6094	37.79	15.43	0.0	168.0
S5JHOURS	5258	37.35	16.18	0.0	168.0
S6JHOURS	4413	36.05	15.82	0.0	168.0
S7JHOURS	5642	37.34	15.61	0.0	168.0
S8JHOURS	4757	36.64	15.81	0.0	168.0
S9JHOURS	4157	35.80	15.56	0.0	168.0
S10JHOURS	5986	37.31	15.29	0.0	144.0
S11JHOURS	5343	37.20	15.06	0.0	168.0
S12JHOURS	4556	36.68	15.07	0.0	152.0
S13JHOURS	5448	38.15	14.76	0.0	140.0
S14JHOURS	4032	37.36	14.47	0.0	168.0
S15JHOURS	3254	36.97	14.33	0.0	156.0
S16JHOURS	3085	37.06	14.99	0.0	126.0
R1JHOUR2	968	14.56	12.34	0.0	95.0
R2JHOUR2	704	14.15	11.56	0.0	70.0
R3JHOUR2	635	14.63	13.02	1.0	96.0
R4JHOUR2	828	14.73	14.20	0.0	96.0
R5JHOUR2	628	15.00	12.85	0.0	95.0
R6JHOUR2	525	14.82	13.72	0.0	96.0
R7JHOUR2	815	13.30	11.25	0.0	96.0
R8JHOUR2	645	13.46	11.52	0.0	80.0
R9JHOUR2	563	13.47	11.99	0.0	80.0
R10JHOUR2	1059	12.96	11.30	0.0	80.0
R11JHOUR2	901	12.77	10.82	0.0	60.0
R12JHOUR2	764	13.48	10.46	0.0	70.0
R13JHOUR2	1088	14.03	12.16	0.0	96.0
R14JHOUR2	843	13.25	11.49	0.0	90.0
R15JHOUR2	610	14.10	11.49	0.0	96.0
R16JHOUR2	739	13.05	11.23	0.0	72.0

S1JHOUR2	734	14.24	12.57	0.0	95.0
S2JHOUR2	556	14.15	12.02	0.0	70.0
S3JHOUR2	470	14.64	13.76	1.0	96.0
S4JHOUR2	600	14.83	14.48	0.0	96.0
S5JHOUR2	469	15.05	13.56	0.0	95.0
S6JHOUR2	403	14.47	12.79	0.0	80.0
S7JHOUR2	599	13.45	11.55	0.0	96.0
S8JHOUR2	469	13.30	11.54	0.0	80.0
S9JHOUR2	379	13.59	12.57	0.0	80.0
S10JHOUR2	730	12.93	11.94	0.0	80.0
S11JHOUR2	659	12.63	11.14	0.0	60.0
S12JHOUR2	514	13.64	10.61	0.0	60.0
S13JHOUR2	674	13.40	11.49	0.0	96.0
S14JHOUR2	484	12.68	11.20	0.0	90.0
S15JHOUR2	364	13.88	11.80	0.0	96.0
S16JHOUR2	375	12.88	11.15	0.0	60.0

How Constructed

RwJHOURS is the usual number of hours per week the Respondent works at their main job. RwJHOUR2 is the usual number of hours per week the Respondent works at a second job.

If the Respondent is working for pay then they are asked how many hours per week they usually work at the main job. RwJHOURS recodes missings for this variable. If the Respondent is not working it is set to a .W missing code.

RwJHOUR2 recodes missings for usual number of hours worked at a second job, if any. If the Respondent is not working a second job it is set to .W.

In Wave 2A, there was no question about a second job. So for AHEAD Respondents, R2JHOUR2 is set to the .Q, to indicate that no information is available.

The spouse variables are taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJHOURS and RwJHOUR2.

Cross Wave Differences in Original HRS Data

Usual hours of work per week is asked of working Respondents at every wave. The question wording remains the same across waves and asks:

If the Respondent works for a firm: "How many hours a week do you usually work on this job?"

If the Respondent is self-employed: "How many hours a week do you usually work in this business?"

For a second job: "How many hours a week do you usually work on (this other job/these other jobs)?"

In all waves, it is not asked if the Respondent is not working.

In Waves 1, 2H and 3A, the question about the main job is asked separately and appears in different variables, depending on whether the Respondent is self-employed or not. In Waves 2H and 3A, the question about the second job is also asked separately, based on the Respondent's self-employment status. From Wave 3H forward, the question wording about the main job varies depending on the Respondent's self-employment status, but the result appears in the same variable.

HRS Variables Used

```
HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V2717           F2:ANY WRK FOR PAY  :IMP
    V2722           F8:WRK HRS/WK:THIS JOB
    V2822           F28:S-E:WRK HRS/WK
    V3327           F86:DNG ANY OTR WRK :IMP
    V3332           F87:HRS/WK WRK OTHR JOB
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1186           G6. CURR WORK: # HOURS PER WEEK
HRS 1994:
    W3316           FA2.WORKING FOR PAY
    W3617           FA44.HOURS WORK PER WEEK
    W3956           FA117.ANY OTHER PAID WOR
    W3961           FA118.HOURS/WEEK ON 2ND
    W4313           FB17.HOURS WORK PER WEEK
    W4611           FB77.ANY OTHER PAID WORK
    W4616           FB78.HOURS/WEEK SECOND J
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2651           GA2.WORKING ANY CURRENT
    D2836           GA44. HOURS/WEEK WORKED
    D3110           GA117. ANY OTHER PAID WORK
    D3112           GA118. HOURS/WEEK SECOND JOBS
    D3256           GB17. HOURS/WEEK WORKED
HRS 1996:
    E2627           G2.WORKING FOR PAY
    E2736           G44.HOURS WORK PER WEEK
    E3019           G128.ANY OTHER PAID WORK
    E3021           G129.HOURS/WEEK ON 2ND JOB
HRS 1998:
    F3131           G2.WORKING FOR PAY
    F3259           G44.HOURS WORK PER WEEK
    F3549           G128.ANY OTHER PAID WORK
    F3551           G129.HOURS/WEEK ON 2ND JOB
HRS 2000:
    G3381           G2.WORKING FOR PAY
    G3509           G44.HOURS WORK PER WEEK
    G3838           G128.ANY OTHER PAID WORK
    G3840           G129.HOURS/WEEK ON 2ND JOB
HRS 2002-2022:
    xJ020           WORKING FOR PAY
    xJ172           HRS WORK PER WEEK
    xJ553           ANY OTR PAID WORK
    xJ556           HRS/WK ON 2ND JOB
```

Weeks worked per year at current job

Wave	Variable	Label	Type
1	R1JWEEKS	R1JWEEKS:W1 Weeks worked/year main job	Cont
2	R2JWEEKS	R2JWEEKS:W2 Weeks worked/year main job	Cont
3	R3JWEEKS	R3JWEEKS:W3 Weeks worked/year main job	Cont
4	R4JWEEKS	R4JWEEKS:W4 Weeks worked/year main job	Cont
5	R5JWEEKS	R5JWEEKS:W5 Weeks worked/year main job	Cont
6	R6JWEEKS	R6JWEEKS:W6 Weeks worked/year main job	Cont
7	R7JWEEKS	R7JWEEKS:W7 Weeks worked/year main job	Cont
8	R8JWEEKS	R8JWEEKS:W8 Weeks worked/year main job	Cont
9	R9JWEEKS	R9JWEEKS:W9 Weeks worked/year main job	Cont
10	R10JWEEKS	R10JWEEKS:W10 Weeks worked/year main job	Cont
11	R11JWEEKS	R11JWEEKS:W11 Weeks worked/year main job	Cont
12	R12JWEEKS	R12JWEEKS:W12 Weeks worked/year main job	Cont
13	R13JWEEKS	R13JWEEKS:W13 Weeks worked/year main job	Cont
14	R14JWEEKS	R14JWEEKS:W14 Weeks worked/year main job	Cont
15	R15JWEEKS	R15JWEEKS:W15 Weeks worked/year main job	Cont
16	R16JWEEKS	R16JWEEKS:W16 Weeks worked/year main job	Cont
1	S1JWEEKS	S1JWEEKS:W1 Weeks worked/year main job	Cont
2	S2JWEEKS	S2JWEEKS:W2 Weeks worked/year main job	Cont
3	S3JWEEKS	S3JWEEKS:W3 Weeks worked/year main job	Cont
4	S4JWEEKS	S4JWEEKS:W4 Weeks worked/year main job	Cont
5	S5JWEEKS	S5JWEEKS:W5 Weeks worked/year main job	Cont
6	S6JWEEKS	S6JWEEKS:W6 Weeks worked/year main job	Cont
7	S7JWEEKS	S7JWEEKS:W7 Weeks worked/year main job	Cont
8	S8JWEEKS	S8JWEEKS:W8 Weeks worked/year main job	Cont
9	S9JWEEKS	S9JWEEKS:W9 Weeks worked/year main job	Cont
10	S10JWEEKS	S10JWEEKS:W10 Weeks worked/year main job	Cont
11	S11JWEEKS	S11JWEEKS:W11 Weeks worked/year main job	Cont
12	S12JWEEKS	S12JWEEKS:W12 Weeks worked/year main job	Cont
13	S13JWEEKS	S13JWEEKS:W13 Weeks worked/year main job	Cont
14	S14JWEEKS	S14JWEEKS:W14 Weeks worked/year main job	Cont
15	S15JWEEKS	S15JWEEKS:W15 Weeks worked/year main job	Cont
16	S16JWEEKS	S16JWEEKS:W16 Weeks worked/year main job	Cont
1	R1JWEEK2	R1JWEEK2:W1 Weeks worked/year 2nd job	Cont
2	R2JWEEK2	R2JWEEK2:W2 Weeks worked/year 2nd job	Cont
3	R3JWEEK2	R3JWEEK2:W3 Weeks worked/year 2nd job	Cont
4	R4JWEEK2	R4JWEEK2:W4 Weeks worked/year 2nd job	Cont
5	R5JWEEK2	R5JWEEK2:W5 Weeks worked/year 2nd job	Cont
6	R6JWEEK2	R6JWEEK2:W6 Weeks worked/year 2nd job	Cont
7	R7JWEEK2	R7JWEEK2:W7 Weeks worked/year 2nd job	Cont
8	R8JWEEK2	R8JWEEK2:W8 Weeks worked/year 2nd job	Cont
9	R9JWEEK2	R9JWEEK2:W9 Weeks worked/year 2nd job	Cont
10	R10JWEEK2	R10JWEEK2:W10 Weeks worked/year 2nd job	Cont
11	R11JWEEK2	R11JWEEK2:W11 Weeks worked/year 2nd job	Cont
12	R12JWEEK2	R12JWEEK2:W12 Weeks worked/year 2nd job	Cont
13	R13JWEEK2	R13JWEEK2:W13 Weeks worked/year 2nd job	Cont
14	R14JWEEK2	R14JWEEK2:W14 Weeks worked/year 2nd job	Cont
15	R15JWEEK2	R15JWEEK2:W15 Weeks worked/year 2nd job	Cont
16	R16JWEEK2	R16JWEEK2:W16 Weeks worked/year 2nd job	Cont
1	S1JWEEK2	S1JWEEK2:W1 Weeks worked/year 2nd job	Cont
2	S2JWEEK2	S2JWEEK2:W2 Weeks worked/year 2nd job	Cont
3	S3JWEEK2	S3JWEEK2:W3 Weeks worked/year 2nd job	Cont
4	S4JWEEK2	S4JWEEK2:W4 Weeks worked/year 2nd job	Cont
5	S5JWEEK2	S5JWEEK2:W5 Weeks worked/year 2nd job	Cont
6	S6JWEEK2	S6JWEEK2:W6 Weeks worked/year 2nd job	Cont
7	S7JWEEK2	S7JWEEK2:W7 Weeks worked/year 2nd job	Cont
8	S8JWEEK2	S8JWEEK2:W8 Weeks worked/year 2nd job	Cont
9	S9JWEEK2	S9JWEEK2:W9 Weeks worked/year 2nd job	Cont
10	S10JWEEK2	S10JWEEK2:W10 Weeks worked/year 2nd job	Cont
11	S11JWEEK2	S11JWEEK2:W11 Weeks worked/year 2nd job	Cont
12	S12JWEEK2	S12JWEEK2:W12 Weeks worked/year 2nd job	Cont
13	S13JWEEK2	S13JWEEK2:W13 Weeks worked/year 2nd job	Cont
14	S14JWEEK2	S14JWEEK2:W14 Weeks worked/year 2nd job	Cont
15	S15JWEEK2	S15JWEEK2:W15 Weeks worked/year 2nd job	Cont

16 S16JWEEK2 S16JWEEK2:W16 Weeks worked/year 2nd job Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JWEEKS	8225	49.45	6.91	1.0	52.0
R2JWEEKS	7729	48.76	8.45	0.0	52.0
R3JWEEKS	6720	48.22	9.12	0.0	52.0
R4JWEEKS	8193	48.28	9.06	0.0	52.0
R5JWEEKS	6998	48.11	9.10	0.0	52.0
R6JWEEKS	5912	47.85	9.54	0.0	52.0
R7JWEEKS	7641	48.07	9.43	0.0	52.0
R8JWEEKS	6482	48.02	9.42	0.0	52.0
R9JWEEKS	5744	47.66	10.03	0.0	52.0
R10JWEEKS	8492	47.75	9.79	0.0	52.0
R11JWEEKS	7562	47.84	9.48	0.0	52.0
R12JWEEKS	6514	47.50	9.86	0.0	52.0
R13JWEEKS	8347	47.49	10.05	0.0	52.0
R14JWEEKS	6421	47.23	10.44	0.0	52.0
R15JWEEKS	5145	47.27	10.35	0.0	52.0
R16JWEEKS	5469	47.11	10.38	0.0	52.0
S1JWEEKS	6492	49.42	6.93	1.0	52.0
S2JWEEKS	5968	48.80	8.36	0.0	52.0
S3JWEEKS	5110	48.13	9.23	0.0	52.0
S4JWEEKS	6086	48.17	9.13	0.0	52.0
S5JWEEKS	5231	48.05	9.08	0.0	52.0
S6JWEEKS	4406	47.66	9.65	0.0	52.0
S7JWEEKS	5636	47.92	9.54	0.0	52.0
S8JWEEKS	4772	47.90	9.60	0.0	52.0
S9JWEEKS	4165	47.63	9.99	0.0	52.0
S10JWEEKS	5891	47.65	9.89	0.0	52.0
S11JWEEKS	5255	47.79	9.50	0.0	52.0
S12JWEEKS	4458	47.51	9.70	0.0	52.0
S13JWEEKS	5352	47.59	9.69	0.0	52.0
S14JWEEKS	3946	47.13	10.58	0.0	52.0
S15JWEEKS	3130	47.19	10.33	0.0	52.0
S16JWEEKS	2986	47.05	10.49	0.0	52.0
R1JWEEK2	960	38.61	17.92	1.0	52.0
R2JWEEK2	692	38.64	17.44	0.0	52.0
R3JWEEK2	636	39.26	17.41	1.0	52.0
R4JWEEK2	816	38.03	17.96	1.0	52.0
R5JWEEK2	624	38.36	18.01	1.0	52.0
R6JWEEK2	526	38.60	17.96	1.0	52.0
R7JWEEK2	819	37.86	17.91	1.0	52.0
R8JWEEK2	649	38.65	17.56	1.0	52.0
R9JWEEK2	577	37.27	18.13	1.0	52.0
R10JWEEK2	1053	35.90	18.32	1.0	52.0
R11JWEEK2	884	35.51	17.83	1.0	52.0
R12JWEEK2	763	34.82	18.18	1.0	52.0
R13JWEEK2	1070	36.16	17.91	1.0	52.0
R14JWEEK2	823	34.82	17.92	1.0	52.0
R15JWEEK2	591	35.01	18.53	1.0	52.0
R16JWEEK2	719	34.61	17.65	1.0	52.0

S1JWEEK2	732	37.53	18.30	1.0	52.0
S2JWEEK2	544	37.87	17.62	0.0	52.0
S3JWEEK2	471	39.08	17.30	1.0	52.0
S4JWEEK2	593	37.28	18.30	1.0	52.0
S5JWEEK2	462	37.68	18.61	1.0	52.0
S6JWEEK2	404	38.63	17.79	1.0	52.0
S7JWEEK2	608	37.37	18.08	1.0	52.0
S8JWEEK2	476	38.29	17.55	1.0	52.0
S9JWEEK2	393	36.56	18.37	1.0	52.0
S10JWEEK2	724	35.21	18.48	1.0	52.0
S11JWEEK2	647	34.97	18.01	1.0	52.0
S12JWEEK2	523	34.42	18.21	1.0	52.0
S13JWEEK2	670	35.57	18.02	1.0	52.0
S14JWEEK2	480	33.73	18.23	1.0	52.0
S15JWEEK2	357	34.12	18.95	1.0	52.0
S16JWEEK2	371	35.43	17.07	1.0	52.0

How Constructed

RwJWEEKS is the usual number of weeks per year the Respondent works at their main job, counting paid vacation as weeks worked. RwJHOUR2 is the usual number of hours per week the Respondent works at a second job.

If the Respondent is working for pay then they are asked how many weeks per year they usually work at the main job. RwJWEEKS recodes missings for this variable. If the Respondent is not working, it is set to a .W missing code.

RwJWEEK2 recodes missings for usual number of weeks worked at a second job, if any. If the Respondent is not working a second job it is set to .W.

In Wave 2A, there was no question about a second job. So for the AHEAD Respondents, R2JWEEK2 is set to .Q, to indicate that no information is available.

The spouse variables are taken from the Wave "w" spouse's self-reports, i.e., from the Wave "w" spouse's RwJWEEKS and RwJWEEK2.

Cross Wave Differences in Original HRS Data

Usual number of weeks worked per year is asked of working Respondent at each wave. The question wording remains the same across waves and asks:

"Main job: Counting paid vacations as weeks of work, how many weeks a year do you usually work on this job?"

"If second job(s): Counting paid vacations as weeks of work, how many weeks a year do you usually work on (this other job/these other jobs)?"

In all waves, it is not asked if the Respondent is not working.

In Waves 1, 2H and 3A, the question about the main job is asked separately and appears in different variables, depending on whether the Respondent is self-employed or not. In Waves 2H and 3A, the question about the second job is also asked separately based on the Respondent's self-employment status. From Wave 3H forward, the question wording about the main job varies depending on the Respondent's self-employment status, but the result appears in the same variable.

HRS Variables Used

```
HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V2717           F2:ANY WRK FOR PAY  :IMP
    V2726           F10:WKS/YR WORKING
    V2823           F29:S-E:WRKING WKS /YR
    V3327           F86:DNG ANY OTR WRK :IMP
    V3333           F88:WKS/YR WRK OTHR JOB
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1187           G6A. CURR WORK: # WEEKS PER YEAR
HRS 1994:
    W3316           FA2.WORKING FOR PAY
    W3623           FA47.NUMBER WEEKS PER YE
    W3956           FA117.ANY OTHER PAID WOR
    W3962           FA119.WEEKS/YEAR ON 2ND
    W4314           FB18.WEEKS WORK PER YEAR
    W4611           FB77.ANY OTHER PAID WORK
    W4617           FB79.WEEKS/YEAR SECOND J
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2651           GA2.WORKING ANY CURRENT
    D2846           GA47. WEEKS/YEAR WORKED
    D3110           GA117. ANY OTHER PAID WORK
    D3113           GA119. WEEKS/YEAR SECOND JOBS
    D3257           GB18. WEEKS/YEAR WORKED
HRS 1996:
    E2627           G2.WORKING FOR PAY
    E2746           G47.WEEKS PER YEAR USUALLY WORK
    E3019           G128.ANY OTHER PAID WORK
    E3022           G130.WEEKS/YEAR ON 2ND JOB
HRS 1998:
    F3131           G2.WORKING FOR PAY
    F3269           G47.WEEKS PER YEAR USUALLY WORK
    F3549           G128.ANY OTHER PAID WORK
    F3552           G130.WEEKS/YEAR ON 2ND JOB
HRS 2000:
    G3381           G2.WORKING FOR PAY
    G3519           G47.WEEKS PER YEAR USUALLY WORK
    G3838           G128.ANY OTHER PAID WORK
    G3841           G130.WEEKS/YEAR ON 2ND JOB
HRS 2002-2022:
    xJ020           WORKING FOR PAY
    xJ179           WKS PR YR USUALLY WORK
    xJ553           ANY OTR PAID WORK
    xJ557           WKS/YR ON 2ND JOB
```

Wage rate

Wave	Variable	Label	Type
1	R1WGIHR	R1WGIHR:W1 Imputed Wage Rate-Hrly	Cont
2	R2WGIHR	R2WGIHR:W2 Imputed Wage Rate-Hrly	Cont
3	R3WGIHR	R3WGIHR:W3 Imputed Wage Rate-Hrly	Cont
4	R4WGIHR	R4WGIHR:W4 Imputed Wage Rate-Hrly	Cont
5	R5WGIHR	R5WGIHR:W5 Imputed Wage Rate-Hrly	Cont
6	R6WGIHR	R6WGIHR:W6 Imputed Wage Rate-Hrly	Cont
7	R7WGIHR	R7WGIHR:W7 Imputed Wage Rate-Hrly	Cont
8	R8WGIHR	R8WGIHR:W8 Imputed Wage Rate-Hrly	Cont
9	R9WGIHR	R9WGIHR:W9 Imputed Wage Rate-Hrly	Cont
10	R10WGIHR	R10WGIHR:W10 Imputed Wage Rate-Hrly	Cont
11	R11WGIHR	R11WGIHR:W11 Imputed Wage Rate-Hrly	Cont
12	R12WGIHR	R12WGIHR:W12 Imputed Wage Rate-Hrly	Cont
13	R13WGIHR	R13WGIHR:W13 Imputed Wage Rate-Hrly	Cont
14	R14WGIHR	R14WGIHR:W14 Imputed Wage Rate-Hrly	Cont
15	R15WGIHR	R15WGIHR:W15 Imputed Wage Rate-Hrly	Cont
16	R16WGIHR	R16WGIHR:W16 Imputed Wage Rate-Hrly	Cont
1	S1WGIHR	S1WGIHR:W1 Imputed Wage Rate-Hrly	Cont
2	S2WGIHR	S2WGIHR:W2 Imputed Wage Rate-Hrly	Cont
3	S3WGIHR	S3WGIHR:W3 Imputed Wage Rate-Hrly	Cont
4	S4WGIHR	S4WGIHR:W4 Imputed Wage Rate-Hrly	Cont
5	S5WGIHR	S5WGIHR:W5 Imputed Wage Rate-Hrly	Cont
6	S6WGIHR	S6WGIHR:W6 Imputed Wage Rate-Hrly	Cont
7	S7WGIHR	S7WGIHR:W7 Imputed Wage Rate-Hrly	Cont
8	S8WGIHR	S8WGIHR:W8 Imputed Wage Rate-Hrly	Cont
9	S9WGIHR	S9WGIHR:W9 Imputed Wage Rate-Hrly	Cont
10	S10WGIHR	S10WGIHR:W10 Imputed Wage Rate-Hrly	Cont
11	S11WGIHR	S11WGIHR:W11 Imputed Wage Rate-Hrly	Cont
12	S12WGIHR	S12WGIHR:W12 Imputed Wage Rate-Hrly	Cont
13	S13WGIHR	S13WGIHR:W13 Imputed Wage Rate-Hrly	Cont
14	S14WGIHR	S14WGIHR:W14 Imputed Wage Rate-Hrly	Cont
15	S15WGIHR	S15WGIHR:W15 Imputed Wage Rate-Hrly	Cont
16	S16WGIHR	S16WGIHR:W16 Imputed Wage Rate-Hrly	Cont
1	R1WGIWK	R1WGIWK:W1 Imputed Wage Rate-Wkly	Cont
2	R2WGIWK	R2WGIWK:W2 Imputed Wage Rate-Wkly	Cont
3	R3WGIWK	R3WGIWK:W3 Imputed Wage Rate-Wkly	Cont
4	R4WGIWK	R4WGIWK:W4 Imputed Wage Rate-Wkly	Cont
5	R5WGIWK	R5WGIWK:W5 Imputed Wage Rate-Wkly	Cont
6	R6WGIWK	R6WGIWK:W6 Imputed Wage Rate-Wkly	Cont
7	R7WGIWK	R7WGIWK:W7 Imputed Wage Rate-Wkly	Cont
8	R8WGIWK	R8WGIWK:W8 Imputed Wage Rate-Wkly	Cont
9	R9WGIWK	R9WGIWK:W9 Imputed Wage Rate-Wkly	Cont
10	R10WGIWK	R10WGIWK:W10 Imputed Wage Rate-Wkly	Cont
11	R11WGIWK	R11WGIWK:W11 Imputed Wage Rate-Wkly	Cont
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15	R15WGIWK	R15WGIWK:W15 Imputed Wage Rate-Wkly	Cont
16	R16WGIWK	R16WGIWK:W16 Imputed Wage Rate-Wkly	Cont
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2	S2WGIWK	S2WGIWK:W2 Imputed Wage Rate-Wkly	Cont
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4	S4WGIWK	S4WGIWK:W4 Imputed Wage Rate-Wkly	Cont
5	S5WGIWK	S5WGIWK:W5 Imputed Wage Rate-Wkly	Cont
6	S6WGIWK	S6WGIWK:W6 Imputed Wage Rate-Wkly	Cont
7	S7WGIWK	S7WGIWK:W7 Imputed Wage Rate-Wkly	Cont
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12	S12WGIWK	S12WGIWK:W12 Imputed Wage Rate-Wkly	Cont
13	S13WGIWK	S13WGIWK:W13 Imputed Wage Rate-Wkly	Cont
14	S14WGIWK	S14WGIWK:W14 Imputed Wage Rate-Wkly	Cont
15	S15WGIWK	S15WGIWK:W15 Imputed Wage Rate-Wkly	Cont

16	S16WGIWK	S16WGIWK:W16 Imputed Wage Rate-Wkly	Cont
1	R1WGFHR	R1WGFHR:W1 Impute Flag Wage Rate-Hrly	Categ
2	R2WGFHR	R2WGFHR:W2 Impute Flag Wage Rate-Hrly	Categ
3	R3WGFHR	R3WGFHR:W3 Impute Flag Wage Rate-Hrly	Categ
4	R4WGFHR	R4WGFHR:W4 Impute Flag Wage Rate-Hrly	Categ
5	R5WGFHR	R5WGFHR:W5 Impute Flag Wage Rate-Hrly	Categ
6	R6WGFHR	R6WGFHR:W6 Impute Flag Wage Rate-Hrly	Categ
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16	R16WGFHR	R16WGFHR:W16 Impute Flag Wage Rate-Hrly	Categ
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7	S7WGFHR	S7WGFHR:W7 Impute Flag Wage Rate-Hrly	Categ
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9	S9WGFHR	S9WGFHR:W9 Impute Flag Wage Rate-Hrly	Categ
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14	S14WGFHR	S14WGFHR:W14 Impute Flag Wage Rate-Hrly	Categ
15	S15WGFHR	S15WGFHR:W15 Impute Flag Wage Rate-Hrly	Categ
16	S16WGFHR	S16WGFHR:W16 Impute Flag Wage Rate-Hrly	Categ
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16	R16WGFWK	R16WGFWK:W16 Impute Flag Wage Rate-Wkly	Categ
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4	S4WGFWK	S4WGFWK:W4 Impute Flag Wage Rate-Wkly	Categ
5	S5WGFWK	S5WGFWK:W5 Impute Flag Wage Rate-Wkly	Categ
6	S6WGFWK	S6WGFWK:W6 Impute Flag Wage Rate-Wkly	Categ
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14	S14WGFWK	S14WGFWK:W14 Impute Flag Wage Rate-Wkly	Categ
15	S15WGFWK	S15WGFWK:W15 Impute Flag Wage Rate-Wkly	Categ
16	S16WGFWK	S16WGFWK:W16 Impute Flag Wage Rate-Wkly	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WGIHR	7786	19.25	298.43	0.0	24000.0
R2WGIHR	7140	16.99	105.24	0.0	8000.0
R3WGIHR	6008	17.42	74.84	0.0	5000.0
R4WGIHR	7410	21.08	162.58	0.0	11111.1
R5WGIHR	6385	25.26	350.73	0.0	27000.0
R6WGIHR	5205	25.90	226.40	0.0	15625.0
R7WGIHR	6746	31.93	676.69	0.0	55250.0
R8WGIHR	5762	26.80	177.97	0.0	12345.7
R9WGIHR	5216	27.75	139.54	0.0	8333.3
R10WGIHR	8475	25.92	99.27	0.0	6520.8
R11WGIHR	7387	30.06	211.58	0.0	15313.5
R12WGIHR	6325	84.86	3211.23	0.0	241666.7
R13WGIHR	7947	41.21	629.35	0.0	43715.0
R14WGIHR	6181	39.33	251.10	0.0	12093.0
R15WGIHR	5041	76.83	1496.03	0.0	67243.6
R16WGIHR	5390	94.27	2263.41	0.0	128000.0
S1WGIHR	6106	20.46	335.93	0.0	24000.0
S2WGIHR	5484	17.85	118.47	0.0	8000.0
S3WGIHR	4539	17.14	38.71	0.0	1527.8
S4WGIHR	5488	22.70	186.37	0.0	11111.1
S5WGIHR	4749	27.94	405.80	0.0	27000.0
S6WGIHR	3854	28.35	261.20	0.0	15625.0
S7WGIHR	4945	35.76	788.97	0.0	55250.0
S8WGIHR	4196	26.18	82.13	0.0	4000.0
S9WGIHR	3770	29.45	157.16	0.0	8333.3
S10WGIHR	5822	27.54	113.55	0.0	6520.8
S11WGIHR	5067	32.21	247.09	0.0	15313.5
S12WGIHR	4305	92.21	3691.61	0.0	241666.7
S13WGIHR	5045	39.95	490.06	0.0	31000.0
S14WGIHR	3764	44.88	310.31	0.0	12093.0
S15WGIHR	3026	91.78	1739.56	0.0	67243.6
S16WGIHR	2918	141.65	3068.42	0.0	128000.0
R1WGIWK	7808	586.98	1438.47	0.0	96153.8
R2WGIWK	7165	608.92	2694.10	0.0	192306.5
R3WGIWK	6060	601.43	1557.35	0.0	91666.7
R4WGIWK	7439	703.58	5248.35	0.0	444444.0
R5WGIWK	6419	727.63	2021.37	0.0	85333.3
R6WGIWK	5231	763.55	1783.30	0.0	62500.0
R7WGIWK	6790	814.32	2209.50	0.0	110500.0
R8WGIWK	5796	858.94	2092.34	0.0	111111.1
R9WGIWK	5244	856.27	1639.27	0.0	76780.0
R10WGIWK	8506	872.55	1402.01	0.0	60000.0
R11WGIWK	7424	1022.84	7363.76	0.0	612538.9
R12WGIWK	6363	1105.99	9458.98	0.0	725000.0
R13WGIWK	7994	1073.80	2549.70	0.0	117500.0
R14WGIWK	6209	1166.72	4661.28	0.0	314000.0
R15WGIWK	5067	1322.01	3962.40	0.0	125000.0
R16WGIWK	5410	1325.54	3718.03	0.0	128000.0
S1WGIWK	6126	582.76	868.79	0.0	30000.0
S2WGIWK	5499	629.95	2919.51	0.0	192306.5
S3WGIWK	4571	619.38	1575.73	0.0	91666.7
S4WGIWK	5509	753.84	6078.81	0.0	444444.0
S5WGIWK	4772	766.66	2094.22	0.0	85333.3

S6WGIWK	3877	797.75	1667.41	0.0	62500.0
S7WGIWK	4976	865.57	2322.16	0.0	110500.0
S8WGIWK	4222	887.10	1576.11	0.0	51384.6
S9WGIWK	3789	919.14	1818.61	0.0	76780.0
S10WGIWK	5842	912.49	1202.13	0.0	26083.3
S11WGIWK	5096	1119.45	8799.68	0.0	612538.9
S12WGIWK	4331	1223.63	11344.91	0.0	725000.0
S13WGIWK	5072	1140.08	2734.07	0.0	117500.0
S14WGIWK	3782	1277.27	5672.88	0.0	314000.0
S15WGIWK	3041	1416.32	4276.87	0.0	125000.0
S16WGIWK	2928	1503.19	4897.20	0.0	128000.0
R1WGFHR	12652	3.81	3.49	1.0	9.0
R2WGFHR	19642	5.20	3.23	1.0	9.0
R3WGFHR	17991	5.74	3.33	1.0	9.0
R4WGFHR	21384	5.64	3.37	1.0	9.0
R5WGFHR	19578	5.78	3.31	1.0	9.0
R6WGFHR	18165	6.07	3.19	1.0	9.0
R7WGFHR	20129	5.75	3.34	1.0	9.0
R8WGFHR	18469	5.89	3.27	1.0	9.0
R9WGFHR	17217	5.95	3.24	1.0	9.0
R10WGFHR	22034	5.43	3.39	1.0	9.0
R11WGFHR	20554	5.59	3.36	1.0	9.0
R12WGFHR	18747	5.72	3.32	1.0	9.0
R13WGFHR	20912	5.44	3.42	1.0	9.0
R14WGFHR	17146	5.55	3.38	1.0	9.0
R15WGFHR	15723	5.84	3.29	1.0	9.0
R16WGFHR	15787	5.69	3.33	1.0	9.0
S1WGFHR	9900	3.79	3.49	1.0	9.0
S2WGFHR	13090	4.92	3.36	1.0	9.0
S3WGFHR	11917	5.42	3.45	1.0	9.0
S4WGFHR	13980	5.33	3.47	1.0	9.0
S5WGFHR	12730	5.46	3.43	1.0	9.0
S6WGFHR	11639	5.77	3.33	1.0	9.0
S7WGFHR	12972	5.43	3.45	1.0	9.0
S8WGFHR	11735	5.58	3.40	1.0	9.0
S9WGFHR	10646	5.60	3.38	1.0	9.0
S10WGFHR	13513	5.11	3.47	1.0	9.0
S11WGFHR	12484	5.27	3.46	1.0	9.0
S12WGFHR	11012	5.35	3.44	1.0	9.0
S13WGFHR	11779	5.11	3.50	1.0	9.0
S14WGFHR	9358	5.26	3.46	1.0	9.0
S15WGFHR	8477	5.59	3.38	1.0	9.0
S16WGFHR	7840	5.47	3.40	1.0	9.0
R1WGFWK	12652	3.79	3.49	1.0	9.0
R2WGFWK	19642	5.19	3.23	1.0	9.0
R3WGFWK	17991	5.71	3.34	1.0	9.0
R4WGFWK	21384	5.63	3.37	1.0	9.0
R5WGFWK	19578	5.77	3.31	1.0	9.0
R6WGFWK	18165	6.06	3.20	1.0	9.0
R7WGFWK	20129	5.73	3.34	1.0	9.0
R8WGFWK	18469	5.87	3.28	1.0	9.0
R9WGFWK	17217	5.93	3.24	1.0	9.0
R10WGFWK	22034	5.42	3.39	1.0	9.0
R11WGFWK	20554	5.57	3.37	1.0	9.0
R12WGFWK	18747	5.70	3.33	1.0	9.0
R13WGFWK	20912	5.43	3.42	1.0	9.0

R14WGFWK	17146	5.54	3.38	1.0	9.0
R15WGFWK	15723	5.83	3.29	1.0	9.0
R16WGFWK	15787	5.68	3.33	1.0	9.0
S1WGFWK	9900	3.78	3.49	1.0	9.0
S2WGFWK	13090	4.91	3.36	1.0	9.0
S3WGFWK	11917	5.39	3.45	1.0	9.0
S4WGFWK	13980	5.32	3.47	1.0	9.0
S5WGFWK	12730	5.45	3.43	1.0	9.0
S6WGFWK	11639	5.75	3.34	1.0	9.0
S7WGFWK	12972	5.42	3.45	1.0	9.0
S8WGFWK	11735	5.56	3.40	1.0	9.0
S9WGFWK	10646	5.58	3.38	1.0	9.0
S10WGFWK	13513	5.10	3.47	1.0	9.0
S11WGFWK	12484	5.25	3.46	1.0	9.0
S12WGFWK	11012	5.33	3.44	1.0	9.0
S13WGFWK	11779	5.09	3.50	1.0	9.0
S14WGFWK	9358	5.25	3.46	1.0	9.0
S15WGFWK	8477	5.58	3.38	1.0	9.0
S16WGFWK	7840	5.46	3.40	1.0	9.0

Categorical Variable Codes

RwWGFHR: Impute Flag Wage Rate-Hrly

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Not unemp: wage not missn	7378	6817	5777	7171	6179	4959	6433	5547	4978	7576
2.Unemp:use MR prior wage	368	293	209	218	178	232	168	184	208	361
3.Unemp:predicted wage fr r	40	30	22	21	28	14	145	31	30	538
6.LF=miss:wage=miss,no imp		3154								
8.Not in LF:wage=miss,no im	3874	8338	10922	12744	12168	11857	11975	11612	11101	12278
9.InLF,not unemp:miss,no im	992	1010	1061	1230	1025	1103	1408	1095	900	1281

Value	w11	w12	w13	w14	w15	w16
1.Not unemp: wage not missn	6726	5909	7414	5835	4680	5043
2.Unemp:use MR prior wage	456	340	263	263	324	197
3.Unemp:predicted wage fr r	205	76	270	83	37	150
6.LF=miss:wage=miss,no imp						
8.Not in LF:wage=miss,no im	11927	11442	11593	10079	9715	9597
9.InLF,not unemp:miss,no im	1240	980	1372	886	967	800

SwWGFHR: Impute Flag Wage Rate-Hrly

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
1.Not unemp: wage not missn	5809	5278	4383	5326	4609	3692	4733	4061	3616	5257
2.Unemp:use MR prior wage	270	185	143	151	120	152	119	115	133	232
3.Unemp:predicted wage fr r	27	21	13	11	20	10	93	20	21	333
6.LF=miss:wage=miss,no imp		1485								
8.Not in LF:wage=miss,no im	3008	5369	6573	7578	7209	6970	6997	6727	6248	6839
9.InLF,not unemp:miss,no im	786	752	805	914	772	815	1030	812	628	852

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Not unemp: wage not missn	4653	4053	4768	3595	2833	2755
2.Unemp:use MR prior wage	268	195	151	131	167	97
3.Unemp:predicted wage fr r	146	57	126	38	26	66
6.LF=miss:wage=miss,no imp						
8.Not in LF:wage=miss,no im	6571	6090	5897	5077	4901	4526
9.InLF,not unemp:miss,no im	846	617	837	517	550	396

RwWGFWK: Impute Flag Wage Rate-Wkly

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Not unemp: wage not missn	7400	6842	5829	7200	6213	4985	6477	5581	5006	7607
2.Unemp:use MR prior wage	368	293	209	218	178	232	168	184	208	361
3.Unemp:predicted wage fr r	40	30	22	21	28	14	145	31	30	538
6.LF=miss:wage=miss,no imp		3154								
8.Not in LF:wage=miss,no im	3874	8338	10922	12744	12168	11857	11975	11612	11101	12278
9.InLF,not unemp:miss,no im	970	985	1009	1201	991	1077	1364	1061	872	1250

Value	w11	w12	w13	w14	w15	w16
1.Not unemp: wage not missn	6763	5947	7461	5863	4706	5063
2.Unemp:use MR prior wage	456	340	263	263	324	197
3.Unemp:predicted wage fr r	205	76	270	83	37	150
6.LF=miss:wage=miss,no imp						
8.Not in LF:wage=miss,no im	11927	11442	11593	10079	9715	9597
9.InLF,not unemp:miss,no im	1203	942	1325	858	941	780

SwWGFWK: Impute Flag Wage Rate-Wkly

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
1.Not unemp: wage not missn	5829	5293	4415	5347	4632	3715	4764	4087	3635	5277
2.Unemp:use MR prior wage	270	185	143	151	120	152	119	115	133	232
3.Unemp:predicted wage fr r	27	21	13	11	20	10	93	20	21	333
6.LF=miss:wage=miss,no imp		1485								
8.Not in LF:wage=miss,no im	3008	5369	6573	7578	7209	6970	6997	6727	6248	6839
9.InLF,not unemp:miss,no im	766	737	773	893	749	792	999	786	609	832

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1.Not unemp: wage not missn	4682	4079	4795	3613	2848	2765
2.Unemp:use MR prior wage	268	195	151	131	167	97
3.Unemp:predicted wage fr r	146	57	126	38	26	66
6.LF=miss:wage=miss,no imp						
8.Not in LF:wage=miss,no im	6571	6090	5897	5077	4901	4526
9.InLF,not unemp:miss,no im	817	591	810	499	535	386

How Constructed

RwWGIHR is the Respondent's hourly wage rate, and RwWGIWK is the weekly wage rate.

If the Respondent is working at an interview, they are asked how much the job pays. Usual hours per week and weeks per year are also asked. The rate of pay can be reported for various periods, e.g., per hour, per week, or per year. Weekly and hourly wage rates are calculated using the usual hours worked per week, usual weeks worked per year, and the pay rate, adjusting appropriately for the periodicity of pay reported. These variables are given as gross wages.

The wage rates are left in nominal dollars. If the Respondent is working, but is missing the wage rate for the current job, the wage rate is left as missing.

For those who are unemployed, a wage rate is imputed. The imputation method is described in more detail in the "Conceptual Variables: Wages" section earlier in this document, and uses the wage rate for the most recent job, if available. If no previous wage rate is available for an unemployed Respondent, it is imputed using predicted values from regression results. Imputations are only used for unemployed persons (RwLBRF=3). If a person is not working but does not have RwLBRF=3, or is working but missing wages, no imputations are done.

The wage rate for the most recent job held before a given interview is calculated using all available reports on past jobs. This includes job history information, reports on previous interview jobs that end, and jobs that begin and end between interviews. Hourly and weekly rates are both calculated, using the same methods used to calculate the current wage rate. The most recent non-missing wage rate is then adjusted to current wave dollars. For example, if the most recent wage rate at the 1994 interview is from 1991, then the wage rate is adjusted to 1994 dollars using CPI-U.

The RwWGIHR and RwWGIWK variables include reported hourly and weekly wages for the currently employed and imputed hourly and weekly wages for the unemployed. The RwWGFHR and RwWGFWK variables are flags that indicate whether and how the wage rates are imputed.

If the Respondent is not working then we assign .W for "not working."

The spouse variables are taken from the wave "w" spouse's self-report, i.e., from the spouse's RwWGIHR, RwWGIWK, RwWGFHR,

and RwWGFWK.

Cross Wave Differences in Original HRS Data

The variables used to calculate the hourly and weekly wage rate are usual hours worked per week, usual weeks worked per year, and a pay rate. Usual hours and usual weeks are asked in all waves, and the question wording is the same across waves. The questions about pay vary in the number of places the questions are asked.

In Wave 1, the current job pay is asked if the Respondent is working. If the Respondent is not working, questions ask if they have ever worked, and if so, ask for the usual hours worked, usual weeks worked, and pay rate at the time they left the last job. If the job ended more than 20 years ago, the pay question is skipped. Whether the Respondent is working or not, information about past jobs can be obtained, including hours worked per week, weeks worked per year, and earnings in the last year with the most recent past employer.

In Wave 2A, the current job pay is asked if the Respondent is working. If the Respondent is not working, questions ask if they did work for pay in the last two years, and if so, ask for the usual hours worked, usual weeks worked, and pay rate at the time they left the last job. If the Respondent is not working or has not worked for the last two years, no questions about any other past jobs are asked.

In Wave 3A, the current job pay is asked. If the Respondent's work status or employer has changed since the last interview, questions are asked about earnings at the time they left the previous job. Even if it is the Respondent's first interview, no questions about other past jobs are asked.

In Wave 2H and Wave 3H and in subsequent interviews, the current job pay is asked. If the Respondent's work status or employer has changed since the last interview, questions are asked about earnings at the time they left the previous job. There are also questions that ask about jobs that both began and ended between the prior and current interviews. These questions obtain the hours worked per week and earnings. In addition, if it is the Respondent's first interview, information is collected about past jobs, using questions similar to those described for Wave 1.

These variables are self-reported and inconsistent values do exist in the data. For example, in Wave 2H HHIDPN=45923020 reports working 8 hours per week but reports working 40 hours per week in Wave 1 and Wave 3H. Also, in Wave 12, HHIDPN=139756010 reported an annual salary of $225,000 (OJ188) and annual business profits of $500,000 (OJ195). But they only report working one week (OJ179) for three hours (OJ172). This value is causing large outliers in R12WGIHR, S12WGIHR, R12WGIWK and S12WGIWK. In Wave 13, HHIDPN=544738010 reports an hourly wage of $62,000 and HHIDPN=902894010 reports an hourly wage of $39,033. These values are causing large outliers in R13WGIHR, S13WGIHR, R13WGIWK and S13WGIWK.

HRS Variables Used

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HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V12718          F3:WHO WORK FOR     :IND
    V12735          F16A:GROSS SALARY AM:IND
    V12736          F16A:GROSS SALARY FR:IND
    V12739          F16D:$/HR REG WORK  :IND
    V12743          F16H: COMMISSION AMT:IND
    V12744          F16H: COMMISSION FRE:IND
    V12748          F16M:OTHER-GROSS PAY:IND
    V12749          F16M:OTHER-GROSS FRE:IND
    V12824          F30:S-E:SALARY/WAGES:IND
    V12825          F30A:S-E SALARY AMT :IND
    V12826          F30A:S-E SALARY FREQ:IND
    V12827          F31:S-E:GET NET PROF:IND
    V12828          F31A:NET PROFITS AMT:IND
    V12829          F31A:NET PROFITS FRE:IND
    V13401          G1:  RK/PAY +FEW MOS:IND
    V13405          G3:LST JB WRK SE/OTR:IND
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    V13412          G10:$GROSS PY WHEN L:IND
    V13413          G10:GROSS PAY - FREQ:IND
    V13435          G22:R/SE:REG SAL/WAG:IND
    V13437          G22A:SE:GROSS SALFRE:IND
    V13438          G23:R/SE:REC PROFITS:IND
    V13440          G23A:SE:NET EARN FRE:IND
    V13601          H1:P/WR OTR EMP 5+ Y:IND
    V13610          H10:$GROSS PAY - $  :IND
    V13611          H10:GROSS PAY - FREQ:IND
    V15905          N39A:OTHR INC   AMT :IND
    V2717           F2:ANY WRK FOR PAY  :IMP
    V2718           F3:WHO WORK FOR     :IMP
    V2722           F8:WRK HRS/WK:THIS JOB
    V2726           F10:WKS/YR WORKING
    V2735           F16A:GROSS SALARY:$ :IMP
    V2736           F16A:GROSS SALARY-FR:IMP
    V2739           F16D:$/HR REG WRK TI:IMP
    V2743           F16H:GROSS COMMISSIO:IMP
    V2744           F16H:COMMISSION FREQ:IMP
    V2748           F16M:OTHER-GROSS PAY:IMP
    V2749           F16M:OTHER-GROSS FRE:IMP
    V2817           F24:STARTING GROSS PAY-$
    V2818           F24:START GROSS-FREQ
    V2822           F28:S-E:WRK HRS/WK
    V2823           F29:S-E:WRKING WKS /YR
    V2824           F30:S-E:SALARY/WAGES:IMP
    V2825           F30A:S-E:GROSS SALAR:IMP
    V2826           F30A:S-E:SALARY FREQ:IMP
    V2827           F31:S-EMPL:GET NET P:IMP
    V2828           F31A:$ NET PROFITS  :IMP
    V2829           F31A:NET PROFITS-FRE:IMP
    V2835           F34:$ EARNED WHEN STRTED
    V2836           F34:EARNED-FREQ
    V333            B8A:SPECIAL DIET    :IMP
    V3334           F89:$ GROSS-OTHER JO:IMP
    V3401           G1:  RK/PAY +FEW MOS:IMP
    V3405           G3:LST JB WRK SE/OTR:IMP
    V3412           G10:$GROS PY-WHN LFT:IMP
    V3413           G10:GROSS PAY-FREQ  :IMP
    V3419           G14:NET SAL:$:-START
    V3435           G22:R/SE:REG SALARY/:IMP
    V3436           G22A:R/SE:GROSS SALA:IMP
    V3437           G22A:R/SE:GROSS-FREQ:IMP
    V3438           G23:R/SE:RECV PROFIT:IMP
    V3439           G23A:R/SE:NET ERN/PR:IMP
    V3440           G23A:R/SE:PROFIT-FRE:IMP
    V3443           G26:R/SE:SAL STRT JOB:$
    V3601           H1:P/WR OTR EMP 5+ Y:IMP
    V3610           H10:GROSS PAY-$     :IMP
    V3611           H10:GROSS PAY-FREQ  :IMP
    V3706           H27:1ST:PAY WHN LFT-:IMP
    V3806           H27:NXT:PAY WHN LFT-:IMP
    V4306           J43:GROSS PAY WHEN L:IMP
    V4406           J64:GROSS PAY WHEN L:IMP
    V4441           J83:GROSS PAY WHEN L:IMP
    V4509           J93:GROSS PAY WHEN L:IMP
    V53             R:STATE HRS (RECODED)
    V5905           N39A:OTHR INCME:  AM:IMP
AHEAD 1993:
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    B1174           G1. WORKING CURRENTLY?
    B1175           G1a. WORK LAST 2 YRS?
    B1178           G2. CURRENTLY SELF EMPLOYED
    B1186           G6. CURR WORK: # HOURS PER WEEK
    B1187           G6A. CURR WORK: # WEEKS PER YEAR
    B1188           G7. CURR WORK: $ EARNED LAST MONTH
    B1189           G8. CURR WORK: $ EARNED 1992-1993
    B1190           G8a. CURR WORK: $ EARNED PERIOD
    B1207           G11. JOB LAST 2 YEARS: END MONTH
    B1208           G11. JOB LAST 2 YEARS: END YEAR
    B1225           G16. JOB LAST 2 YRS: # HOURS PER WEEK
    B1226           G16b. JOB LAST 2 YRS: # WEEKS PER YEAR
    B1227           G17. JOB LAST 2 YRS: TOT $ EARN 1992/93
    B1228           G17a. JOB LAST 2 YRS: TOTAL $ EARNED PRD
HRS 1994:
    W15907          N2a. Imputation flag
    W3316           FA2.WORKING FOR PAY
    W3317           FA3.WORK FOR SOMEONE ELS
    W3318           FA5.STOPPED WORKING FOR
    W3319           FA5.STOPPED WORKING FOR
    W3363           FA6.PAID REGULAR SALARY
    W3364           FA6a.AMOUNT OF SALARY
    W3365           FA6b.PER
    W3366           FA7.RECEIVE ANY PROFITS?
    W3367           FA7a.AMOUNT OF PROFITS
    W3368           FA7b.PER
    W3503           FA26.STOPPED WORKING FOR
    W3504           FA26.STOPPED WORKING FOR
    W3505           FA27.AMOUNT OF EARNINGS
    W3506           FA27a.PER
    W3617           FA44.HOURS WORK PER WEEK
    W3623           FA47.NUMBER WEEKS PER YE
    W3631           FA52.HOW PAID ON JOB
    W3632           FA52a.AMOUNT SALARY
    W3633           FA52b.PER
    W3637           FA52f.HOURLY WAGE RATE
    W3642           FA52m.AMOUNT PER TIME PE
    W3643           FA52n.PER
    W3645           FA52r.AMOUNT PAID
    W3646           FA52s.AMOUNT PER TIME PE
    W3663           FA59.START WORK FOR EMPL
    W3664           FA60.STARTING PAY
    W3665           FA60a.AMOUNT PER TIME PE
    W3963           FA120.EARNINGS ON 2ND JO
    W3964           FA120a.PER
    W3999           FA129.WORK AFTER W1/BEFO
    W4043           FA132.HOURS/WEEK WORKED
    W4044           FA133.EARNINGS
    W4045           FA133a.PER
    W4200           FB2.STOPPED WORK FOR EMP
    W4201           FB2a.STOPPED WORK FOR EM
    W4202           FB3.EARNINGS BEFORE LEAV
    W4203           FB3a.EARNINGS BEFORE LEA
    W4313           FB17.HOURS WORK PER WEEK
    W4314           FB18.WEEKS WORK PER YEAR
    W4317           FB19.PAID A REGULAR SALA
    W4318           FB19a.SELF-EMPLOYMENT SA
    W4319           FB19b SELF-EMPLOYMENT SA
    W4320           FB20.RECEIVE SOME/ALL NE
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    W4321           FB20a.NET EARNINGS/PROFI
    W4322           FB20b.NET EARNINGS/PROFI
    W4328           FB22a.STARTED S-E WORK-Y
    W4329           FB23.ANY MONTHS SINCE W1
    W4330           FB23a.MONTHS NOT IN BUSI
    W4618           FB80.EARNINGS SECOND JOB
    W4619           FB8a.EARNINGS SECOND JOB
    W4654           FB89.WORK AFTER/BEFORE
    W4698           FB92.HOURS/WEEK WORKED
    W4699           FB93.EARNINGS AFTER/BEFO
    W4700           FB93a.EARNINGS AFTER/BEF
    W4800           FC2.MONTH STOPPED SELF-E
    W4801           FC2a.YEAR STOPPED SELF-E
    W4802           FC3.SELF-EMP PAID SALARY
    W4803           FC3a.SELF-EMP SALARY AMO
    W4804           FC3b.SELF-EMP SALARY AMO
    W4805           FC4.SELF-EMP EARNINGS/PR
    W4806           FC4a.SELF-EMP EARNINGS/P
    W4807           FC4b.SELF-EMP EARNINGS/P
    W4897           FC16.MONTH STOPPED WORK
    W4898           FC16a.YEAR STOPPED WORK
    W4899           FC16b.EARNINGS BEFORE LE
    W4900           FC16ac.EARNINGS BEFORE L
    W5038           FC47.WORK AFTER/BEFORE
    W5082           FC50.HOURS/WEEK WORKED
    W5083           FC51.EARNINGS AFTER/BEFO
    W5084           FC51a.EARNINGS AFTER/BEF
    W7021           G14.EARNINGS WHEN STARTE
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2651           GA2.WORKING ANY CURRENT
    D2653           GA3. SELF/OTHER EMPLOYED
    D2654           GA5. MONTH STOPPED SELF-EMPL
    D2655           GA5A. YEAR STOPPED SELF-EMPL
    D2662           GA6. S-E PAID SALARY
    D2663           GA6A. S-E SALARY AMOUNT
    D2664           GA6B. S-E SALARY PER
    D2675           GA7. S-E EARNINGS/PROFITS
    D2676           GA7A. S-E ERNG/PROFIT AMOUNT
    D2677           GA7B. S-E ERNG/PROFIT AMOUNT
    D2759           GA26. MONTH STOPPED WORKING WAVE I EMPLO
    D2760           GA26A. YEAR STOPPED WORKING WAVE I EMPLO
    D2764           GA27. EARNINGS BEFORE LEAVING
    D2765           GA27A. EARNINGS BEFORE LEAVING PER
    D2836           GA44. HOURS/WEEK WORKED
    D2846           GA47. WEEKS/YEAR WORKED
    D2860           GA52. HOW PAID
    D2862           GA52A. AMOUNT SALARY
    D2863           GA52B. AMOUNT SALARY PER
    D2870           GA52F. REGULAR HOURLY WAGE
    D2880           GA52M. AMOUNT PAY
    D2881           GA52N. AMOUNT PAY PER
    D2885           GA52R. AMOUNT PAID
    D2886           GA52S. AMOUNT PAID PER
    D3110           GA117. ANY OTHER PAID WORK
    D3112           GA118. HOURS/WEEK SECOND JOBS
    D3113           GA119. WEEKS/YEAR SECOND JOBS
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	D3114	GA120. EARNINGS SECOND JOBS
	D3115	GA120A. EARNINGS SECOND JOB PER
	D3188	GB2. MONTH STOPPED SELF-EMPL
	D3189	GB2A. YEAR STOPPED SELF-EMPL
	D3194	GB3. EARNINGS BEFORE LEAVING
	D3195	GB3A. EARNINGS BEFORE LEAVING PER
	D3260	GB19. S-E PAID SALARY
	D3261	GB19A. S-E SALARY AMOUNT
	D3262	GB19B. S-E SALARY PER
	D3264	GB20. S-E EARNINGS/PROFITS
	D3265	GB20A. S-E ERNG/PROFIT AMOUNT
	D3266	GB20B. S-E ERNG/PROFIT AMOUNT
	D3545	GC2. MONTH STOPPED SELF-EMPL
	D3546	GC2A. YEAR STOPPED SELF-EMPL
	D3551	GC3. S-E PAID SALARY
	D3552	GC3A. S-E SALARY AMOUNT
	D3553	GC3B. S-E SALARY PER
	D3564	GC4. S-E EARNINGS/PROFITS
	D3565	GC4A. S-E ERNG/PROFIT AMOUNT
	D3566	GC4B. S-E ERNG/PROFIT AMOUNT
	D3639	GC16. MONTH STOPPED WORKING WAVE I EMPLO
	D3640	GC16A. YEAR STOPPED WORKING WAVE I EMPLO
	D3644	GC16B. EARNINGS BEFORE LEAVING
	D3645	GC16AC. EARNINGS BEFORE LEAVING PER
HRS 1996:		
	E2627	G2.WORKING FOR PAY
	E2628	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
	E2630	G5.STOPPED WORKING FOR SELF-MONTH
	E2631	G5A.STOPPED WORKING FOR SELF-YEAR
	E2637	G6.PAID REGULAR SALARY
	E2638	G6A.AMOUNT OF SALARY
	E2639	G6B.AMOUNT OF SALARY PER
	E2650	G7.RECEIVE ANY PROFITS?
	E2651	G7A.AMOUNT OF PROFITS
	E2652	G7B.AMOUNT OF PROFITS PER
	E2667	G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
	E2668	G26A.STOP WORKING FOR PREV WAVE EMPLOYER
	E2670	G27.AMOUNT OF EARNINGS WHEN LEFT
	E2671	G27A.AMOUNT OF EARNINGS WHEN LEFT PER
	E2736	G44.HOURS WORK PER WEEK
	E2746	G47.WEEKS PER YEAR USUALLY WORK
	E2756	G52.PAID REGULAR SALARY/WAGES?
	E2757	G52A.SELF-EMPLOYMENT SALARY-AMOUNT
	E2758	G52B.SELF-EMPLOYMENT SALARY-PER
	E2760	G53.RECEIVE NET EARNINGS/PROFITS
	E2761	G53A.NET EARNINGS/PROFITS-AMOUNT
	E2762	G53B.NET EARNINGS/PROFITS-PER
	E2772	G56.HOW PAID ON JOB
	E2774	G56A.AMOUNT SALARY
	E2775	G56B.AMOUNT SALARY PER
	E2781	G56F.HOURLY WAGE RATE
	E2791	G56M.AMOUNT PER TIME PERIOD
	E2792	G56N.AMOUNT PER TIME PERIOD PER
	E2796	G56R.AMOUNT PAID
	E2797	G56S.AMOUNT PAID PER
	E3019	G128.ANY OTHER PAID WORK
	E3021	G129.HOURS/WEEK ON 2ND JOB
	E3022	G130.WEEKS/YEAR ON 2ND JOB
	E3023	G131.EARNINGS ON 2ND JOB

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    E3024           G131A.PER
    E3057           G141.WORK BEFORE CURRENT EMPLOYMENT
    E3059           G143.HOURS/WEEK WORKED
    E3060           G144.EARNINGS DURING WORKING MONTHS
    E3061           G144A.EARNINGS DURING WORKING MONTHS PER
    E3125           GG1.EVER WRKD FOR PAY MORE THN FEW MTHS?
    E3127           GG1A.LAST WORKED-YEAR
    E3128           GG1A.LAST WORKED-YEARS AGO
    E3135           GG7.HOURS WORK PER WEEK
    E3138           GG9.WEEKS WORK PER YEAR
    E3139           GG10.EARNINGS WHEN LEFT
    E3140           GG10.EARNINGS WHEN LEFT PER
    E3325           GH1.OTHER EMPLOYER 5+ YEARS
    E3337           GH7.LEFT EMPLOYER-YEAR
    E3338           GH7.LEFT EMPLOYER-YEARS AGO
    E3339           GH7.LEFT EMPLOYER-AGE
    E3342           GH8.HOURS WORKED PER WEEK
    E3343           GH9.WEEKS WORKED PER YEAR
    E3344           GH10.EARNINGS IN LAST YEAR
    E3345           GH10.PER TIME UNIT
HRS 1998:
    F3131           G2.WORKING FOR PAY
    F3132           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    F3134           G5.STOPPED WORKING FOR SELF-MONTH
    F3135           G5A.STOPPED WORKING FOR SELF-YEAR
    F3141           G6.PAID REGULAR SALARY
    F3142           G6A.AMOUNT OF SALARY
    F3143           G6B.AMOUNT OF SALARY-PER
    F3154           G7.RECEIVE ANY PROFITS?
    F3155           G7A.AMOUNT OF PROFITS
    F3156           G7B.AMOUNT OF PROFITS-PER
    F3188           G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
    F3189           G26A.STOP WORKING FOR PREV WAVE EMPLOYER
    F3191           G27.AMOUNT OF EARNINGS WHEN LEFT
    F3192           G27A.AMOUNT OF EARNINGS WHEN LEFT-PER
    F3259           G44.HOURS WORK PER WEEK
    F3269           G47.WEEKS PER YEAR USUALLY WORK
    F3279           G52.PAID REGULAR SALARY/WAGES?
    F3280           G52A.SELF-EMPLOYMENT SALARY-AMOUNT
    F3281           G52B.SELF-EMPLOYMENT SALARY-PER
    F3283           G53.RECEIVE NET EARNINGS/PROFITS
    F3284           G53A.NET EARNINGS/PROFITS-AMOUNT
    F3285           G53B.NET EARNINGS/PROFITS-PER
    F3295           G56.HOW PAID ON JOB
    F3297           G56A.AMOUNT SALARY
    F3298           G56B.AMOUNT SALARY-PER
    F3304           G56F.HOURLY WAGE RATE
    F3314           G56M.AMOUNT PER TIME PERIOD
    F3315           G56N.AMOUNT PER TIME PERIOD-PER
    F3319           G56R.AMOUNT PAID
    F3320           G56S.AMOUNT PAID-PER
    F3549           G128.ANY OTHER PAID WORK
    F3551           G129.HOURS/WEEK ON 2ND JOB
    F3552           G130.WEEKS/YEAR ON 2ND JOB
    F3553           G131.EARNINGS ON 2ND JOB
    F3554           G131A.EARNINGS ON 2ND JOB-PER
    F3589           G141.WORK BEFORE CURRENT EMPLOYMENT
    F3591           G143.HOURS/WEEK WORKED
    F3592           G144.EARNINGS
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    F3593           G144A.EARNINGS-PER
    F3643           GG1.EVER WORKED FOR PAY MORE THAN FEW MT
    F3644           GG1A1.LAST WORKED WHEN-YEAR
    F3645           GG1A2.LAST WORKED WHEN-YEARS AGO
    F3653           GG7.HOURS WORK PER WEEK
    F3656           GG9.WEEKS WORK PER YEAR
    F3657           GG10.EARNINGS WHEN LEFT
    F3658           GG10.EARNINGS WHEN LEFT-PER
    F3830           GH1.OTHER EMPLOYER 5+ YEARS
    F3842           GH7.LEFT EMPLOYER-YEAR
    F3843           GH7.LEFT EMPLOYER-YEARS AGO
    F3844           GH7.LEFT EMPLOYER-AGE
    F3847           GH8.HOURS WORKED PER WEEK
    F3848           GH9.WEEKS WORKED PER YEAR
    F3849           GH10.EARNINGS IN LAST YEAR
    F3850           GH10.PER TIME UNIT
HRS 2000:
    G3381           G2.WORKING FOR PAY
    G3382           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    G3384           G5.STOPPED WORKING FOR SELF-MONTH
    G3385           G5A.STOPPED WORKING FOR SELF-YEAR
    G3392           G6.PAID REGULAR SALARY
    G3393           G6A.AMOUNT OF SALARY
    G3394           G6B.PER
    G3404           G7.RECEIVE ANY PROFITS?
    G3405           G7A.AMOUNT OF PROFITS
    G3406           G7B.PER
    G3437           G26.STOP WORK PREV WAVE EMPLYR-MO
    G3438           G26A.STOP WORK PREV WAVE EMPLYR-YR
    G3441           G27.AMOUNT OF EARNINGS WHEN LEFT
    G3442           G27A.PER
    G3509           G44.HOURS WORK PER WEEK
    G3519           G47.WEEKS PER YEAR USUALLY WORK
    G3539           G52.PAID REGULAR SALARY/WAGES?
    G3540           G52A.SELF-EMPLOYMENT SALARY-AMOUNT
    G3541           G52B.SELF-EMPLOYMENT SALARY-PER
    G3543           G53.RECEIVE NET EARNINGS/PROFITS
    G3544           G53A.NET EARNINGS/PROFITS-AMOUNT
    G3545           G53B.NET EARNINGS/PROFITS-PER
    G3555           G56.HOW PAID ON JOB
    G3557           G56A.AMOUNT SALARY
    G3558           G56B.PER
    G3564           G56F.HOURLY WAGE RATE
    G3574           G56M.AMOUNT PER TIME PERIOD
    G3575           G56N.PER
    G3579           G56R.AMOUNT PAID
    G3580           G56S.PER
    G3838           G128.ANY OTHER PAID WORK
    G3840           G129.HOURS/WEEK ON 2ND JOB
    G3841           G130.WEEKS/YEAR ON 2ND JOB
    G3842           G131.EARNINGS ON 2ND JOB
    G3843           G131A.PER
    G3877           G141.WORK BEFORE CURRENT EMPLOYMENT
    G3879           G143.HOURS/WEEK WORKED
    G3880           G144.EARNINGS
    G3881           G144A.PER
    G3953           GG1.WORK FOR PAY MORE THAN FEW MOS
    G3954           GG1A1.LAST WORKED WHEN-YEAR
    G3955           GG1A2.LAST WORKED WHEN-YEARS AGO
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    G3963           GG7.HOURS WORK PER WEEK
    G3966           GG9.WEEKS WORK PER YEAR
    G3967           GG10.EARNINGS WHEN LEFT
    G3968           GG10Y1. PER
    G4092           GH1.OTHER EMPLOYER 5+ YEARS
    G4104           GH7.LEFT EMPLOYER-YEAR
    G4105           GH7Y1. LEFT EMPLOYER-YEARS AGO
    G4106           GH7Y2. LEFT EMPLOYER-AGE
    G4109           GH8.HOURS WORKED PER WEEK
    G4110           GH9.WEEKS WORKED PER YEAR
    G4111           GH10.EARNINGS IN LAST YEAR
    G4112           GH10Y1. PER TIME UNIT
HRS 2002:
    HK001           WORK FOR PAY MORE THAN FEW MOS
    HK002           LAST WRKED WHEN-YR
    HK008           HRS WRK PR WK
    HK013           EARNINGS WHEN LEFT- PER
HRS 2002-2014:
    xK003           LAST WRKED WHEN-YRS AGO
    xK011           WKS WRK PR YR
    xL005           OTR EMPLOYER 5+ YRS
    xL016           LEFT EMPLOYER-YR
    xL017           LEFT EMPLOYER-YRS AGO
    xL018           LEFT EMPLOYER- AT AGE
    xL020           HRS WRKED PR WK
    xL021           WKS WRKED PR YR
    xL022           EARNING IN LAST YR
    xL023           EARNING IN LAST YR- PER
HRS 2002-2022:
    xJ020           WORKING FOR PAY
    xJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    xJ023           STOPPED WORKING FOR SLF-MO
    xJ024           STOPPED WORKING FOR SLF- YR
    xJ031           PAID REGULAR SALARY
    xJ032           AMOUNT OF SALARY
    xJ036           AMOUNT OF SALARY PER
    xJ038           RECEIVE ANY PROFITS
    xJ039           AMOUNT OF NET PROFITS/EARNINGS
    xJ043           AMOUNT OF NET PROFITS/EARNINGS PER
    xJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    xJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
    xJ067           AMOUNT EARNING WHEN LEFT
    xJ071           AMOUNT EARNING WHEN LEFT - PER
    xJ172           HRS WORK PER WEEK
    xJ179           WKS PR YR USUALLY WORK
    xJ187           PAID REGULAR SALARY/WAGES
    xJ188           SELF-EMPLOYMENT SALARY AMOUNT
    xJ192           SELF-EMPLOYMENT SALARY AMOUNT PER
    xJ194           REC NET EARNINGS/PROFITS
    xJ195           AMT NET EARNINGS/PROFITS
    xJ199           AMT NET EARNINGS/PROFITS PER
    xJ205           HOW PAID ON JOB
    xJ206           AMOUNT OF SALARY ON JOB
    xJ210           AMOUNT OF SALARY ON JOB PER
    xJ216           HRLY WAGE RATE
    xJ225           AMOUNT PAID FOR OVERTIME
    xJ226           AMOUNT PAID FOR OVERTIME PER
    xJ230           AMOUNT PAID- OTHER
    xJ231           AMOUNT PAID- OTHER- PER
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    xJ553           ANY OTR PAID WORK
    xJ556           HRS/WK ON 2ND JOB
    xJ557           WKS/YR ON 2ND JOB
    xJ558           EARNINGS ON SECOND JOB
    xJ562           EARNINGS ON SECOND JOB - PER
    xJ596           WORK BEFORE CURRENT EMPLYMNT
    xJ599           HRS/WK-WORKED BEFORE CURRENT EMPLYMNT
    xJ600           EARNINGS-WORK BEFORE CURRENT EMPLYMNT
    xJ604           WORK B/F CURRENT EMPLYMNT-EARNINGS- PER
HRS 2004-2014:
    xK004           LAST WRKED WHEN-YR
    xK005           LAST WRKED WHEN-YRS AGO
    xK014           WKS WRK PR YR
    xK016           EARNINGS WHEN LEFT- PER
```

Current job requires lots of physical effort

Wave	Variable	Label	Type
1	R1JPHYS	R1JPHYS:W1 Cur job req lots phys effort	Categ
2	R2JPHYS	R2JPHYS:W2 Cur job req lots phys effort	Categ
3	R3JPHYS	R3JPHYS:W3 Cur job req lots phys effort	Categ
4	R4JPHYS	R4JPHYS:W4 Cur job req lots phys effort	Categ
5	R5JPHYS	R5JPHYS:W5 Cur job req lots phys effort	Categ
6	R6JPHYS	R6JPHYS:W6 Cur job req lots phys effort	Categ
7	R7JPHYS	R7JPHYS:W7 Cur job req lots phys effort	Categ
8	R8JPHYS	R8JPHYS:W8 Cur job req lots phys effort	Categ
9	R9JPHYS	R9JPHYS:W9 Cur job req lots phys effort	Categ
10	R10JPHYS	R10JPHYS:W10 Cur job req lots phys effort	Categ
11	R11JPHYS	R11JPHYS:W11 Cur job req lots phys effort	Categ
12	R12JPHYS	R12JPHYS:W12 Cur job req lots phys effort	Categ
13	R13JPHYS	R13JPHYS:W13 Cur job req lots phys effort	Categ
14	R14JPHYS	R14JPHYS:W14 Cur job req lots phys effort	Categ
15	R15JPHYS	R15JPHYS:W15 Cur job req lots phys effort	Categ
16	R16JPHYS	R16JPHYS:W16 Cur job req lots phys effort	Categ
1	S1JPHYS	S1JPHYS:W1 Cur job req lots phys effort	Categ
2	S2JPHYS	S2JPHYS:W2 Cur job req lots phys effort	Categ
3	S3JPHYS	S3JPHYS:W3 Cur job req lots phys effort	Categ
4	S4JPHYS	S4JPHYS:W4 Cur job req lots phys effort	Categ
5	S5JPHYS	S5JPHYS:W5 Cur job req lots phys effort	Categ
6	S6JPHYS	S6JPHYS:W6 Cur job req lots phys effort	Categ
7	S7JPHYS	S7JPHYS:W7 Cur job req lots phys effort	Categ
8	S8JPHYS	S8JPHYS:W8 Cur job req lots phys effort	Categ
9	S9JPHYS	S9JPHYS:W9 Cur job req lots phys effort	Categ
10	S10JPHYS	S10JPHYS:W10 Cur job req lots phys effort	Categ
11	S11JPHYS	S11JPHYS:W11 Cur job req lots phys effort	Categ
12	S12JPHYS	S12JPHYS:W12 Cur job req lots phys effort	Categ
13	S13JPHYS	S13JPHYS:W13 Cur job req lots phys effort	Categ
14	S14JPHYS	S14JPHYS:W14 Cur job req lots phys effort	Categ
15	S15JPHYS	S15JPHYS:W15 Cur job req lots phys effort	Categ
16	S16JPHYS	S16JPHYS:W16 Cur job req lots phys effort	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JPHYS	8316	2.69	1.13	1.0	4.0
R2JPHYS	6985	2.72	1.12	1.0	4.0
R3JPHYS	6473	2.77	1.11	1.0	4.0
R4JPHYS	7919	2.82	1.11	1.0	4.0
R5JPHYS	6852	2.86	1.11	1.0	4.0
R6JPHYS	5832	2.87	1.11	1.0	4.0
R7JPHYS	7424	2.82	1.13	1.0	4.0
R8JPHYS	6304	2.83	1.12	1.0	4.0
R9JPHYS	5670	2.87	1.13	1.0	5.0
R10JPHYS	8557	2.73	1.14	1.0	5.0
R11JPHYS	7667	2.75	1.14	1.0	5.0
R12JPHYS	6622	2.77	1.12	1.0	5.0
R13JPHYS	8538	2.74	1.14	1.0	5.0
R14JPHYS	6470	2.79	1.13	1.0	5.0
R15JPHYS	5423	2.85	1.12	1.0	5.0
R16JPHYS	5626	2.86	1.12	1.0	5.0
S1JPHYS	6561	2.71	1.13	1.0	4.0
S2JPHYS	5450	2.74	1.12	1.0	4.0
S3JPHYS	4925	2.78	1.11	1.0	4.0

S4JPHYS	5835	2.84	1.11	1.0	4.0
S5JPHYS	5076	2.87	1.11	1.0	4.0
S6JPHYS	4291	2.88	1.11	1.0	4.0
S7JPHYS	5383	2.83	1.13	1.0	4.0
S8JPHYS	4567	2.84	1.12	1.0	4.0
S9JPHYS	4074	2.89	1.12	1.0	5.0
S10JPHYS	5860	2.76	1.13	1.0	5.0
S11JPHYS	5266	2.76	1.13	1.0	5.0
S12JPHYS	4469	2.79	1.12	1.0	5.0
S13JPHYS	5413	2.76	1.13	1.0	5.0
S14JPHYS	3939	2.82	1.12	1.0	5.0
S15JPHYS	3235	2.88	1.10	1.0	5.0
S16JPHYS	3014	2.88	1.11	1.0	5.0

Categorical Variable Codes

RwJPHYS: Cur job req lots phys effort

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	3	4	5	3	3	3	2	1	2	1
.J=Web interview, missing										
.M=Oth missing	14	26	136	168	125	32	112	176	106	343
.P=No info prior wv (proxy/			175	91	50	6	3		1	1
.Q=Not asked this/prv wv		8222								
.R=RF	51	8	10	13	9	6	5		5	2
.S=Skip,proxy IW		43	92	250	202	204	318	174	112	161
.W=Skip,not working	4268	4354	11100	12940	12337	12082	12265	11814	11321	12969
1.All/almost all the time	1811	1455	1257	1493	1228	1085	1501	1223	1036	1874
2.Most of the time	1580	1312	1161	1268	1044	794	1026	891	829	1367
3.Some of the time	2337	1976	1873	2317	2013	1753	2213	1919	1747	2548
4.None/almost none of time	2588	2242	2182	2841	2567	2200	2684	2271	1970	2720
5.Does not apply									88	48

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	5	7	12	3	5	7
.J=Web interview, missing				26	31	33
.M=Oth missing	225	203	220	226	220	237
.P=No info prior wv (proxy/						
.Q=Not asked this/prv wv						
.R=RF	1	2	4	2	2	3
.S=Skip,proxy IW	111	90	109	66	56	39
.W=Skip,not working	12545	11823	12029	10353	9986	9842
1.All/almost all the time	1607	1308	1857	1319	998	1016
2.Most of the time	1288	1184	1351	964	831	874
3.Some of the time	2248	1912	2525	1979	1652	1709
4.None/almost none of time	2478	2191	2776	2157	1878	1946
5.Does not apply	46	27	29	51	64	81

SwJPHYS: Cur job req lots phys effort

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	2	3	4	3	2	1	1		1	1
.J=Web interview, missing										
.M=Oth missing	5	12	59	103	82	17	67	139	67	210
.P=No info prior wv (proxy/			118	64	33	6	3		1	1
.Q=Not asked this/prv wv		4549								
.R=RF	32	7	8	8	4	6	4		2	1
.S=Skip,proxy IW		38	89	237	193	194	312	170	108	155
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
.W=Skip,not working	3300	3231	6714	7730	7340	7124	7202	6859	6393	7285
1.All/almost all the time	1386	1090	933	1055	902	783	1063	873	713	1230
2.Most of the time	1239	1020	878	937	770	585	747	650	596	919
3.Some of the time	1849	1564	1458	1727	1486	1300	1601	1378	1252	1790
4.None/almost none of time	2087	1776	1656	2116	1918	1623	1972	1666	1451	1888
5.Does not apply									62	33

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	4	3	9	2	4	7
.J=Web interview, missing				21	23	20
.M=Oth missing	134	121	97	103	74	96
.P=No info prior wv (proxy/						
.Q=Not asked this/prv wv						
.R=RF		1	3	1	2	1
.S=Skip,proxy IW	108	88	109	65	54	36
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Skip,not working	6972	6330	6148	5227	5085	4666
1.All/almost all the time	1062	850	1136	759	551	527
2.Most of the time	891	781	825	582	489	457
3.Some of the time	1566	1302	1670	1250	1010	912
4.None/almost none of time	1718	1523	1767	1318	1153	1084
5.Does not apply	29	13	15	30	32	34

How Constructed

RwJPHYS indicates the extent to which the Respondent says their job requires lots of physical effort.

If the question is skipped because the Respondent is not working, it is set to .W for not working. With the exclusion of Wave 6, the question is usually skipped if the Respondent is working at the same job. If skipped, and the Respondent reported working at the prior interview, then the prior interview value is used.

In Wave 2A, there was no question about physical effort at a job. So for the AHEAD Respondents, R2JPHYS is set to .Q, to indicate that no information is available.

Note that this question is not asked in any proxy interviews, but in many of these cases the prior interview report is used. Proxies for which this variable remains missing are set to .S.

If the value from a prior interview is used but is missing because the question wasn't asked or the interview was by proxy, then the current wave variable is set to .P, information from prior interview is missing.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJPHYS.

Cross Wave Differences in Original HRS Data

Each wave working Respondents are asked a number of questions about the job's characteristics. The question wording is the same across waves and asks:

"I'll read some statements that are true for some people's jobs but not for other people's jobs. Thinking of your job, please tell how often these statements are true.

My job requires lots of physical effort.

Is this true all or almost all of the time, most of the time, some of the time, or none or almost none of the time?"

In Wave 2A this question was not asked.

In Wave 3A the question is asked separately and appears in different variables, depending on whether the Respondent is self-employed or not.

In Wave 2H and from Wave 3 forward, if the Respondent is working for the same employer and has the same job title as in the previous interview, this question is skipped.

If the interview is by proxy this question is skipped and coded as .S. If no information was available from a prior interview because it was a proxy or Wave 2A, it will be coded as .P.

From Wave 9, a category with value 5 was added to represent "Does Not Apply."

HRS Variables Used

```
HRS 1992:
    V3301           F82A:JB RQR PHYSICL EFRT
HRS 1994:
    W3943           FA115a.PHYSICAL EFFORT
    W4601           FB75a.JOB REQUIRES PHYSI
AHEAD 1995:
    D3091           GA115A. PHYSICAL EFFORT
    D3455           GB75A. PHYSICAL EFFORT
HRS 1996:
    E3004           G126A.PHYSICAL EFFORT
HRS 1998:
    F3533           G126A.PHYSICAL EFFORT
HRS 2000:
    G3821           G126A.PHYSICAL EFFORT
HRS 2002-2022:
    xJ538           PHYSICAL EFFORT
```

Current job requires lifting heavy loads

Wave	Variable	Label	Type
1	R1JLIFT	R1JLIFT:W1 Cur job req lift heavy loads	Categ
2	R2JLIFT	R2JLIFT:W2 Cur job req lift heavy loads	Categ
3	R3JLIFT	R3JLIFT:W3 Cur job req lift heavy loads	Categ
4	R4JLIFT	R4JLIFT:W4 Cur job req lift heavy loads	Categ
5	R5JLIFT	R5JLIFT:W5 Cur job req lift heavy loads	Categ
6	R6JLIFT	R6JLIFT:W6 Cur job req lift heavy loads	Categ
7	R7JLIFT	R7JLIFT:W7 Cur job req lift heavy loads	Categ
8	R8JLIFT	R8JLIFT:W8 Cur job req lift heavy loads	Categ
9	R9JLIFT	R9JLIFT:W9 Cur job req lift heavy loads	Categ
10	R10JLIFT	R10JLIFT:W10 Cur job req lift heavy loads	Categ
11	R11JLIFT	R11JLIFT:W11 Cur job req lift heavy loads	Categ
12	R12JLIFT	R12JLIFT:W12 Cur job req lift heavy loads	Categ
13	R13JLIFT	R13JLIFT:W13 Cur job req lift heavy loads	Categ
14	R14JLIFT	R14JLIFT:W14 Cur job req lift heavy loads	Categ
15	R15JLIFT	R15JLIFT:W15 Cur job req lift heavy loads	Categ
16	R16JLIFT	R16JLIFT:W16 Cur job req lift heavy loads	Categ
1	S1JLIFT	S1JLIFT:W1 Cur job req lift heavy loads	Categ
2	S2JLIFT	S2JLIFT:W2 Cur job req lift heavy loads	Categ
3	S3JLIFT	S3JLIFT:W3 Cur job req lift heavy loads	Categ
4	S4JLIFT	S4JLIFT:W4 Cur job req lift heavy loads	Categ
5	S5JLIFT	S5JLIFT:W5 Cur job req lift heavy loads	Categ
6	S6JLIFT	S6JLIFT:W6 Cur job req lift heavy loads	Categ
7	S7JLIFT	S7JLIFT:W7 Cur job req lift heavy loads	Categ
8	S8JLIFT	S8JLIFT:W8 Cur job req lift heavy loads	Categ
9	S9JLIFT	S9JLIFT:W9 Cur job req lift heavy loads	Categ
10	S10JLIFT	S10JLIFT:W10 Cur job req lift heavy loads	Categ
11	S11JLIFT	S11JLIFT:W11 Cur job req lift heavy loads	Categ
12	S12JLIFT	S12JLIFT:W12 Cur job req lift heavy loads	Categ
13	S13JLIFT	S13JLIFT:W13 Cur job req lift heavy loads	Categ
14	S14JLIFT	S14JLIFT:W14 Cur job req lift heavy loads	Categ
15	S15JLIFT	S15JLIFT:W15 Cur job req lift heavy loads	Categ
16	S16JLIFT	S16JLIFT:W16 Cur job req lift heavy loads	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JLIFT	8321	3.28	0.96	1.0	4.0
R2JLIFT	6987	3.32	0.93	1.0	4.0
R3JLIFT	6473	3.38	0.89	1.0	4.0
R4JLIFT	7920	3.38	0.90	1.0	4.0
R5JLIFT	6855	3.42	0.87	1.0	4.0
R6JLIFT	5831	3.42	0.91	1.0	4.0
R7JLIFT	7424	3.37	0.94	1.0	4.0
R8JLIFT	6305	3.38	0.93	1.0	4.0
R9JLIFT	5671	3.42	0.97	1.0	5.0
R10JLIFT	8556	3.32	0.99	1.0	5.0
R11JLIFT	7670	3.34	0.98	1.0	5.0
R12JLIFT	6626	3.35	0.95	1.0	5.0
R13JLIFT	8545	3.32	0.98	1.0	5.0
R14JLIFT	6468	3.37	0.97	1.0	5.0
R15JLIFT	5420	3.39	0.96	1.0	5.0
R16JLIFT	5630	3.39	0.97	1.0	5.0
S1JLIFT	6566	3.28	0.95	1.0	4.0
S2JLIFT	5452	3.32	0.92	1.0	4.0
S3JLIFT	4924	3.36	0.89	1.0	4.0

S4JLIFT	5836	3.37	0.91	1.0	4.0
S5JLIFT	5078	3.40	0.89	1.0	4.0
S6JLIFT	4291	3.41	0.90	1.0	4.0
S7JLIFT	5383	3.36	0.94	1.0	4.0
S8JLIFT	4567	3.36	0.94	1.0	4.0
S9JLIFT	4074	3.42	0.95	1.0	5.0
S10JLIFT	5860	3.31	0.98	1.0	5.0
S11JLIFT	5269	3.32	0.98	1.0	5.0
S12JLIFT	4470	3.34	0.96	1.0	5.0
S13JLIFT	5418	3.32	0.96	1.0	5.0
S14JLIFT	3938	3.37	0.96	1.0	5.0
S15JLIFT	3236	3.39	0.95	1.0	5.0
S16JLIFT	3019	3.38	0.96	1.0	5.0

Categorical Variable Codes

RwJLIFT: Cur job req lift heavy loads

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	1	2	5	3	1	3	2		1	3
.J=Web interview, missing										
.M=Oth missing	14	26	136	168	125	32	112	176	106	343
.P=No info prior wv (proxy/			175	91	50	6	3		1	1
.Q=Not asked this/prv wv		8222								
.R=RF	48	8	10	12	8	7	5		5	1
.S=Skip,proxy IW		43	92	250	202	204	318	174	112	161
.W=Skip,not working	4268	4354	11100	12940	12337	12082	12265	11814	11321	12969
1.All/almost all the time	777	576	458	599	464	452	668	523	455	826
2.Most of the time	663	515	440	496	397	323	436	397	350	585
3.Some of the time	2347	1962	1774	2083	1792	1386	1792	1556	1439	2377
4.None/almost none of time	4534	3934	3801	4742	4202	3670	4528	3829	3193	4579
5.Does not apply									234	189

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	2	4	5	1	5	2
.J=Web interview, missing				30	32	32
.M=Oth missing	225	203	220	226	220	237
.P=No info prior wv (proxy/						
.Q=Not asked this/prv wv						
.R=RF	1	1	4	2	4	5
.S=Skip,proxy IW	111	90	109	66	56	39
.W=Skip,not working	12545	11823	12029	10353	9986	9842
1.All/almost all the time	715	558	790	551	432	458
2.Most of the time	501	463	613	420	358	382
3.Some of the time	2106	1802	2383	1754	1487	1521
4.None/almost none of time	4170	3679	4593	3559	2953	3042
5.Does not apply	178	124	166	184	190	227

SwJLIFT: Cur job req lift heavy loads

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	1	2	5	2		1	1		1	1
.J=Web interview, missing										
.M=Oth missing	5	12	59	103	82	17	67	139	67	210
.P=No info prior wv (proxy/			118	64	33	6	3		1	1
.Q=Not asked this/prv wv		4549								
.R=RF	28	6	8	8	4	6	4		2	1
.S=Skip,proxy IW		38	89	237	193	194	312	170	108	155
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
.W=Skip,not working	3300	3231	6714	7730	7340	7124	7202	6859	6393	7285
1.All/almost all the time	595	429	352	444	355	331	482	388	315	567
2.Most of the time	530	417	344	387	313	240	322	309	254	402
3.Some of the time	1902	1573	1387	1552	1342	1057	1341	1140	1048	1649
4.None/almost none of time	3539	3033	2841	3453	3068	2663	3238	2730	2312	3138
5.Does not apply									145	104

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	1	2	3		2	1
.J=Web interview, missing				23	23	19
.M=Oth missing	134	121	97	103	74	96
.P=No info prior wv (proxy/						
.Q=Not asked this/prv wv						
.R=RF		1	4	2	3	3
.S=Skip,proxy IW	108	88	109	65	54	36
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Skip,not working	6972	6330	6148	5227	5085	4666
1.All/almost all the time	507	383	483	337	249	245
2.Most of the time	352	322	385	242	211	195
3.Some of the time	1437	1216	1547	1091	900	846
4.None/almost none of time	2879	2479	2912	2174	1766	1621
5.Does not apply	94	70	91	94	110	112

How Constructed

RwJLIFT indicates the extent to which the Respondent says their job requires lifting heavy loads.

If the question is skipped because the Respondent is not working, it is set to .W for not working. With the exclusion of Wave 6, the question is usually skipped if the Respondent is working at the same job. If skipped, and the Respondent reported working at the prior interview, then the prior interview value is used.

In Wave 2A, there was no question about lifting heavy loads at a job. So for the AHEAD Respondents, R2JLIFT is set to .Q, to indicate that no information is available.

Note that this question is not asked in any proxy interviews, but in many of these cases the prior interview report is used. Proxies for which this variable remains missing are set to .S.

If the value from a prior interview is used but is missing because the question wasn't asked or the interview was by proxy, then the current wave variable is set to .P, information from prior interview is missing.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJLIFT.

Cross Wave Differences in Original HRS Data

Each wave working Respondents are asked a number of questions about the job's characteristics. The question wording is the same across waves and asks:

"I'll read some statements that are true for some people's jobs but not for other people's jobs. Thinking of your job, please tell how often these statements are true.

My job requires lifting heavy loads.

Is this true all or almost all of the time, most of the time, some of the time, or none or almost none of the time?"

In Wave 2A this question was not asked.

In Wave 3A the question is asked separately and appears in different variables, depending on whether the Respondent is self-employed or not.

In Wave 2H and from Wave 3 forward, if the Respondent is working for the same employer and has the same job title as in the previous interview, this question is skipped.

If the interview is by proxy this question is skipped and coded as .S. If no information was available from a prior interview because it was a proxy or Wave 2A, it will be coded as .P.

From Wave 9, a category with value 5 was added to represent "Does Not Apply."

HRS Variables Used

```
HRS 1992:
    V3302           F82B:JB LFTING HVY LDS
HRS 1994:
    W3944           FA115b.LIFTING HEAVY LOA
    W4602           FB75b.JOB REQUIRES LIFTI
AHEAD 1995:
    D3092           GA115B. LIFTING HEAVY LOADS
    D3456           GB75B. LIFTING HEAVY LOADS
HRS 1996:
    E3005           G126B.LIFTING HEAVY LOADS
HRS 1998:
    F3534           G126B.LIFTING HEAVY LOADS
HRS 2000:
    G3822           G126B.LIFTING HEAVY LOADS
HRS 2002-2022:
    xJ539           LIFTING HEAVY LOADS
```

Current job requires stooping, kneeling, or crouching

Wave	Variable	Label	Type
1	R1JSTOOP	R1JSTOOP:W1 Cur job req stoop/kneel/crouch	Categ
2	R2JSTOOP	R2JSTOOP:W2 Cur job req stoop/kneel/crouch	Categ
3	R3JSTOOP	R3JSTOOP:W3 Cur job req stoop/kneel/crouch	Categ
4	R4JSTOOP	R4JSTOOP:W4 Cur job req stoop/kneel/crouch	Categ
5	R5JSTOOP	R5JSTOOP:W5 Cur job req stoop/kneel/crouch	Categ
6	R6JSTOOP	R6JSTOOP:W6 Cur job req stoop/kneel/crouch	Categ
7	R7JSTOOP	R7JSTOOP:W7 Cur job req stoop/kneel/crouch	Categ
8	R8JSTOOP	R8JSTOOP:W8 Cur job req stoop/kneel/crouch	Categ
9	R9JSTOOP	R9JSTOOP:W9 Cur job req stoop/kneel/crouch	Categ
10	R10JSTOOP	R10JSTOOP:W10 Cur job req stoop/kneel/crouch	Categ
11	R11JSTOOP	R11JSTOOP:W11 Cur job req stoop/kneel/crouch	Categ
12	R12JSTOOP	R12JSTOOP:W12 Cur job req stoop/kneel/crouch	Categ
13	R13JSTOOP	R13JSTOOP:W13 Cur job req stoop/kneel/crouch	Categ
14	R14JSTOOP	R14JSTOOP:W14 Cur job req stoop/kneel/crouch	Categ
15	R15JSTOOP	R15JSTOOP:W15 Cur job req stoop/kneel/crouch	Categ
16	R16JSTOOP	R16JSTOOP:W16 Cur job req stoop/kneel/crouch	Categ
1	S1JSTOOP	S1JSTOOP:W1 Cur job req stoop/kneel/crouch	Categ
2	S2JSTOOP	S2JSTOOP:W2 Cur job req stoop/kneel/crouch	Categ
3	S3JSTOOP	S3JSTOOP:W3 Cur job req stoop/kneel/crouch	Categ
4	S4JSTOOP	S4JSTOOP:W4 Cur job req stoop/kneel/crouch	Categ
5	S5JSTOOP	S5JSTOOP:W5 Cur job req stoop/kneel/crouch	Categ
6	S6JSTOOP	S6JSTOOP:W6 Cur job req stoop/kneel/crouch	Categ
7	S7JSTOOP	S7JSTOOP:W7 Cur job req stoop/kneel/crouch	Categ
8	S8JSTOOP	S8JSTOOP:W8 Cur job req stoop/kneel/crouch	Categ
9	S9JSTOOP	S9JSTOOP:W9 Cur job req stoop/kneel/crouch	Categ
10	S10JSTOOP	S10JSTOOP:W10 Cur job req stoop/kneel/crouch	Categ
11	S11JSTOOP	S11JSTOOP:W11 Cur job req stoop/kneel/crouch	Categ
12	S12JSTOOP	S12JSTOOP:W12 Cur job req stoop/kneel/crouch	Categ
13	S13JSTOOP	S13JSTOOP:W13 Cur job req stoop/kneel/crouch	Categ
14	S14JSTOOP	S14JSTOOP:W14 Cur job req stoop/kneel/crouch	Categ
15	S15JSTOOP	S15JSTOOP:W15 Cur job req stoop/kneel/crouch	Categ
16	S16JSTOOP	S16JSTOOP:W16 Cur job req stoop/kneel/crouch	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JSTOOP	8316	2.93	1.01	1.0	4.0
R2JSTOOP	6983	2.98	1.02	1.0	4.0
R3JSTOOP	6472	3.02	1.01	1.0	4.0
R4JSTOOP	7920	3.02	1.03	1.0	4.0
R5JSTOOP	6852	3.06	1.02	1.0	4.0
R6JSTOOP	5833	3.03	1.05	1.0	4.0
R7JSTOOP	7424	2.97	1.08	1.0	4.0
R8JSTOOP	6300	2.97	1.08	1.0	4.0
R9JSTOOP	5670	3.03	1.10	1.0	5.0
R10JSTOOP	8554	2.91	1.12	1.0	5.0
R11JSTOOP	7665	2.92	1.11	1.0	5.0
R12JSTOOP	6625	2.94	1.10	1.0	5.0
R13JSTOOP	8543	2.92	1.11	1.0	5.0
R14JSTOOP	6473	2.97	1.10	1.0	5.0
R15JSTOOP	5427	3.03	1.09	1.0	5.0
R16JSTOOP	5625	3.03	1.11	1.0	5.0
S1JSTOOP	6563	2.94	1.01	1.0	4.0
S2JSTOOP	5450	2.98	1.01	1.0	4.0
S3JSTOOP	4925	3.00	1.01	1.0	4.0

S4JSTOOP	5836	3.01	1.03	1.0	4.0
S5JSTOOP	5076	3.04	1.03	1.0	4.0
S6JSTOOP	4291	3.02	1.06	1.0	4.0
S7JSTOOP	5383	2.96	1.09	1.0	4.0
S8JSTOOP	4564	2.96	1.08	1.0	4.0
S9JSTOOP	4073	3.03	1.10	1.0	5.0
S10JSTOOP	5859	2.91	1.12	1.0	5.0
S11JSTOOP	5264	2.91	1.10	1.0	5.0
S12JSTOOP	4468	2.93	1.10	1.0	5.0
S13JSTOOP	5417	2.93	1.10	1.0	5.0
S14JSTOOP	3941	2.97	1.08	1.0	5.0
S15JSTOOP	3238	3.03	1.09	1.0	5.0
S16JSTOOP	3020	3.02	1.10	1.0	5.0

Categorical Variable Codes

RwJSTOOP: Cur job req stoop/kneel/crouch

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	2	3	4	2	1	2	2	5	2	5
.J=Web interview, missing										
.M=Oth missing	14	26	136	168	125	32	112	176	106	343
.P=No info prior wv (proxy/			175	91	50	6	3		1	1
.Q=Not asked this/prv wv		8222								
.R=RF	52	11	12	13	11	6	5		5	1
.S=Skip,proxy IW		43	92	250	202	204	318	174	112	161
.W=Skip,not working	4268	4354	11100	12940	12337	12082	12265	11814	11321	12969
1.All/almost all the time	1153	933	826	1070	889	855	1232	1021	864	1592
2.Most of the time	1110	883	771	889	713	571	751	666	612	940
3.Some of the time	3194	2578	2354	2763	2374	1929	2415	2067	1852	2779
4.None/almost none of time	2859	2589	2521	3198	2876	2478	3026	2546	2174	3129
5.Does not apply									168	114

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	7	5	9			6
.J=Web interview, missing				27	32	34
.M=Oth missing	225	203	220	226	220	237
.P=No info prior wv (proxy/						
.Q=Not asked this/prv wv						
.R=RF	1	1	2	1	2	4
.S=Skip,proxy IW	111	90	109	66	56	39
.W=Skip,not working	12545	11823	12029	10353	9986	9842
1.All/almost all the time	1357	1131	1519	1062	819	889
2.Most of the time	846	761	964	680	579	565
3.Some of the time	2587	2207	2830	2214	1799	1834
4.None/almost none of time	2776	2458	3134	2405	2093	2190
5.Does not apply	99	68	96	112	137	147

SwJSTOOP: Cur job req stoop/kneel/crouch

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	2	3	3	2		1	1	3	2	2
.J=Web interview, missing										
.M=Oth missing	5	12	59	103	82	17	67	139	67	210
.P=No info prior wv (proxy/			118	64	33	6	3		1	1
.Q=Not asked this/prv wv		4549								
.R=RF	30	7	9	8	6	6	4		2	1
.S=Skip,proxy IW		38	89	237	193	194	312	170	108	155
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
.W=Skip,not working	3300	3231	6714	7730	7340	7124	7202	6859	6393	7285
1.All/almost all the time	907	704	637	800	674	636	902	750	614	1079
2.Most of the time	872	706	596	662	542	443	574	502	444	662
3.Some of the time	2524	2019	1814	2046	1755	1412	1742	1491	1329	1899
4.None/almost none of time	2260	2021	1878	2328	2105	1800	2165	1821	1573	2147
5.Does not apply									113	72

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	6	4	6			1
.J=Web interview, missing				21	24	20
.M=Oth missing	134	121	97	103	74	96
.P=No info prior wv (proxy/						
.Q=Not asked this/prv wv						
.R=RF		1	2	1	2	1
.S=Skip,proxy IW	108	88	109	65	54	36
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Skip,not working	6972	6330	6148	5227	5085	4666
1.All/almost all the time	922	757	930	631	484	467
2.Most of the time	621	546	603	412	344	322
3.Some of the time	1774	1470	1840	1387	1081	995
4.None/almost none of time	1885	1653	1993	1454	1255	1170
5.Does not apply	62	42	51	57	74	66

How Constructed

RwJSTOOP indicates the extent to which the Respondent says their job requires stooping, kneeling, or crouching.

If the question is skipped because the Respondent is not working, it is set to .W for not working. With the exclusion of Wave 6, the question is usually skipped if the Respondent is working at the same job. If skipped, and the Respondent reported working at the prior interview, then the prior interview value is used.

In Wave 2A, there was no question about stooping, kneeling, or crouching at a job. So for the AHEAD Respondents, R2JSTOOP is set to .Q, to indicate that no information is available.

Note that this question is not asked in any proxy interviews, but in many of these cases the prior interview report is used. Proxies for which this variable remains missing are set to .S.

If the value from a prior interview is used but is missing because the question wasn't asked or the interview was by proxy, then the current wave variable is set to .P, information from prior interview is missing.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJSTOOP.

Cross Wave Differences in Original HRS Data

Each wave working Respondents are asked a number of questions about the job's characteristics. The question wording is the same across waves and asks:

"I'll read some statements that are true for some people's jobs but not for other people's jobs. Thinking of your job, please tell how often these statements are true.

My job requires stooping, kneeling, or crouching.

Is this true all or almost all of the time, most of the time, some of the time, or none or almost none of the time?"

In Wave 2A this question was not asked.

In Wave 3A the question is asked separately and appears in different variables, depending on whether the Respondent is self-employed or not.

In Wave 2H and from Wave 3 forward, if the Respondent is working for the same employer and has the same job title as in the previous interview, this question is skipped.

If the interview is by proxy this question is skipped and coded as .S. If no information was available from a prior interview because it was a proxy or Wave 2A, it will be coded as .P.

From Wave 9, a category with value 5 was added to represent "Does Not Apply."

HRS Variables Used

```
HRS 1992:
    V3303           F82C:JB RQR STP/KNG/CRNG
HRS 1994:
    W3945           FA115c.STOOPING/KNEELING
    W4603           FB75c.JOB REQUIRES STOOP
AHEAD 1995:
    D3093           GA115C. STOOPING, KNEELING, ETC.
    D3457           GB75C. STOOPING, KNEELING, ETC.
HRS 1996:
    E3006           G126C.STOOPING/KNEELING/CROUCHING
HRS 1998:
    F3535           G126C.STOOPING/KNEELING/CROUCHING
HRS 2000:
    G3823           G126C.STOOPING/KNEELING/CROUCHING
HRS 2002-2022:
    xJ540           STOOPING/KNEELING/CROUCHING
```

Current job requires good eyesight

Wave	Variable	Label	Type
1	R1JSIGHT	R1JSIGHT:W1 Cur job req good eyesight	Categ
2	R2JSIGHT	R2JSIGHT:W2 Cur job req good eyesight	Categ
3	R3JSIGHT	R3JSIGHT:W3 Cur job req good eyesight	Categ
4	R4JSIGHT	R4JSIGHT:W4 Cur job req good eyesight	Categ
5	R5JSIGHT	R5JSIGHT:W5 Cur job req good eyesight	Categ
6	R6JSIGHT	R6JSIGHT:W6 Cur job req good eyesight	Categ
7	R7JSIGHT	R7JSIGHT:W7 Cur job req good eyesight	Categ
8	R8JSIGHT	R8JSIGHT:W8 Cur job req good eyesight	Categ
9	R9JSIGHT	R9JSIGHT:W9 Cur job req good eyesight	Categ
10	R10JSIGHT	R10JSIGHT:W10 Cur job req good eyesight	Categ
11	R11JSIGHT	R11JSIGHT:W11 Cur job req good eyesight	Categ
12	R12JSIGHT	R12JSIGHT:W12 Cur job req good eyesight	Categ
13	R13JSIGHT	R13JSIGHT:W13 Cur job req good eyesight	Categ
14	R14JSIGHT	R14JSIGHT:W14 Cur job req good eyesight	Categ
15	R15JSIGHT	R15JSIGHT:W15 Cur job req good eyesight	Categ
16	R16JSIGHT	R16JSIGHT:W16 Cur job req good eyesight	Categ
1	S1JSIGHT	S1JSIGHT:W1 Cur job req good eyesight	Categ
2	S2JSIGHT	S2JSIGHT:W2 Cur job req good eyesight	Categ
3	S3JSIGHT	S3JSIGHT:W3 Cur job req good eyesight	Categ
4	S4JSIGHT	S4JSIGHT:W4 Cur job req good eyesight	Categ
5	S5JSIGHT	S5JSIGHT:W5 Cur job req good eyesight	Categ
6	S6JSIGHT	S6JSIGHT:W6 Cur job req good eyesight	Categ
7	S7JSIGHT	S7JSIGHT:W7 Cur job req good eyesight	Categ
8	S8JSIGHT	S8JSIGHT:W8 Cur job req good eyesight	Categ
9	S9JSIGHT	S9JSIGHT:W9 Cur job req good eyesight	Categ
10	S10JSIGHT	S10JSIGHT:W10 Cur job req good eyesight	Categ
11	S11JSIGHT	S11JSIGHT:W11 Cur job req good eyesight	Categ
12	S12JSIGHT	S12JSIGHT:W12 Cur job req good eyesight	Categ
13	S13JSIGHT	S13JSIGHT:W13 Cur job req good eyesight	Categ
14	S14JSIGHT	S14JSIGHT:W14 Cur job req good eyesight	Categ
15	S15JSIGHT	S15JSIGHT:W15 Cur job req good eyesight	Categ
16	S16JSIGHT	S16JSIGHT:W16 Cur job req good eyesight	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JSIGHT	8307	1.61	0.78	1.0	4.0
R2JSIGHT	7723	1.62	0.78	1.0	4.0
R3JSIGHT	6636	1.56	0.79	1.0	4.0
R4JSIGHT	8005	1.53	0.80	1.0	4.0
R5JSIGHT	6900	1.52	0.80	1.0	4.0
R6JSIGHT	5833	1.47	0.79	1.0	4.0
R7JSIGHT	7423	1.49	0.80	1.0	4.0
R8JSIGHT	6302	1.46	0.78	1.0	4.0
R9JSIGHT	5671	1.47	0.81	1.0	5.0
R10JSIGHT	8558	1.49	0.81	1.0	5.0
R11JSIGHT	7666	1.49	0.81	1.0	5.0
R12JSIGHT	6622	1.49	0.80	1.0	5.0
R13JSIGHT	8533	1.51	0.84	1.0	5.0
R14JSIGHT	6468	1.49	0.81	1.0	5.0
R15JSIGHT	5420	1.51	0.83	1.0	5.0
R16JSIGHT	5628	1.56	0.87	1.0	5.0
S1JSIGHT	6557	1.61	0.77	1.0	4.0
S2JSIGHT	5941	1.62	0.77	1.0	4.0
S3JSIGHT	5032	1.56	0.78	1.0	4.0

S4JSIGHT	5895	1.53	0.79	1.0	4.0
S5JSIGHT	5108	1.51	0.79	1.0	4.0
S6JSIGHT	4292	1.46	0.78	1.0	4.0
S7JSIGHT	5383	1.48	0.79	1.0	4.0
S8JSIGHT	4565	1.46	0.78	1.0	4.0
S9JSIGHT	4074	1.47	0.81	1.0	5.0
S10JSIGHT	5862	1.48	0.81	1.0	5.0
S11JSIGHT	5266	1.48	0.81	1.0	5.0
S12JSIGHT	4468	1.50	0.80	1.0	5.0
S13JSIGHT	5410	1.50	0.82	1.0	5.0
S14JSIGHT	3937	1.47	0.79	1.0	5.0
S15JSIGHT	3234	1.51	0.81	1.0	5.0
S16JSIGHT	3019	1.56	0.85	1.0	5.0

Categorical Variable Codes

RwJSIGHT: Cur job req good eyesight

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	2	2	3	3	2	3	2	1	1	2
.J=Web interview, missing										
.M=Oth missing	14	75	149	175	127	35	114	176	106	343
.R=RF	61	15	11	11	10	8	7	2	6	1
.S=Skip,proxy IW		43	92	250	202	204	318	174	112	161
.W=Skip,not working	4268	11784	11100	12940	12337	12082	12265	11814	11321	12969
1.All/almost all the time	4498	4115	3901	5013	4422	3942	4958	4307	3892	5775
2.Most of the time	2865	2722	1964	2049	1660	1257	1608	1315	1137	1754
3.Some of the time	658	625	540	637	552	400	548	459	424	701
4.None/almost none of time	286	261	231	306	266	234	309	221	195	303
5.Does not apply									23	25

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	5	8	16	2	5	1
.J=Web interview, missing				29	32	33
.M=Oth missing	225	203	220	226	220	238
.R=RF	2	1	5	2	4	6
.S=Skip,proxy IW	111	90	109	66	56	39
.W=Skip,not working	12545	11823	12029	10353	9986	9842
1.All/almost all the time	5154	4389	5652	4333	3540	3569
2.Most of the time	1623	1455	1767	1367	1231	1248
3.Some of the time	591	526	737	514	420	541
4.None/almost none of time	278	243	360	240	208	245
5.Does not apply	20	9	17	14	21	25

SwJSIGHT: Cur job req good eyesight

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	2	2	3	2		1		1	1	
.J=Web interview, missing										
.M=Oth missing	5	44	69	110	84	20	69	139	67	210
.R=RF	36	11	10	6	5	8	6	1	3	1
.S=Skip,proxy IW		38	89	237	193	194	312	170	108	155
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
.W=Skip,not working	3300	7054	6714	7730	7340	7124	7202	6859	6393	7285
1.All/almost all the time	3520	3154	2968	3689	3287	2906	3590	3117	2776	3967
2.Most of the time	2307	2110	1489	1520	1239	938	1191	965	837	1207
3.Some of the time	506	478	412	468	394	287	395	321	305	465
4.None/almost none of time	224	199	163	218	188	161	207	162	139	206
5.Does not apply									17	17

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	4	4	10	1	2	1
.J=Web interview, missing				23	24	20
.M=Oth missing	134	121	97	103	74	96
.R=RF		1	5	2	4	2
.S=Skip,proxy IW	108	88	109	65	54	36
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Skip,not working	6972	6330	6148	5227	5085	4666
1.All/almost all the time	3546	2953	3594	2667	2108	1899
2.Most of the time	1117	987	1140	831	755	697
3.Some of the time	398	360	466	299	243	285
4.None/almost none of time	190	160	201	133	118	128
5.Does not apply	15	8	9	7	10	10

How Constructed

RwJSIGHT indicates the extent to which the Respondent says their job requires good eyesight.

If the question is skipped because the Respondent is not working, it is set to .W for not working. With the exclusion of Wave 6, the question is usually skipped if the Respondent is working at the same job. If skipped, and the Respondent reported working at the prior interview, then the prior interview value is used.

Note that this question is not asked in any proxy interviews, but in many of these cases the prior interview report is used. Proxies for which this variable remains missing are set to .S.

If the value from a prior interview is used but is missing because the question wasn't asked or the interview was by proxy then the current wave variable is set to .P, information from prior interview is missing.

In Wave 2A, there are only three levels of response as opposed to the four in other waves. The response categories are set to correspond to those with the same wording in other waves. The omitted level in Wave 2A is "All or almost all of the time."

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJSIGHT.

Cross Wave Differences in Original HRS Data

Each wave working Respondents are asked a number of questions about the job's characteristics. The question wording is the same across waves and asks:

"I'll read some statements that are true for some people's jobs but not for other people's jobs. Thinking of your job, please tell how often these statements are true.

My job requires good eyesight.

Is this true all or almost all of the time, most of the time, some of the time, or none or almost none of the time?"

In Wave 2A, the second part of the question was slightly different:

"Is this true most of the time, some of the time, or hardly ever?"

So for AHEAD Respondents, R2JSIGHT has no code one ("All or almost all of the time").

In Wave 3A the question is asked separately and appears in different variables, depending on whether the Respondent is self-employed or not.

In Wave 2H and from Wave 3 forward, if the Respondent is working for the same employer and has the same job title as in the previous interview, this question is skipped.

If the interview is by proxy this question is skipped and coded as .S. If no information was available from a prior interview because it was a proxy or Wave 2A, it will be coded as .P.

From Wave 9, a category with value 5 was added to represent "Does Not Apply".

HRS Variables Used

```
HRS 1992:
    V3304           F82D:JB RQR GOOD EYESGHT
AHEAD 1993:
    B1191           G9. CURR WORK: REQ GOOD EYESIGHT
HRS 1994:
    W3946           FA115d.GOOD EYESIGHT
    W4604           FB75d.JOB REQUIRES GOOD
AHEAD 1995:
    D3094           GA115D. GOOD EYESIGHT
    D3458           GB75D. GOOD EYESIGHT
HRS 1996:
    E3007           G126D.GOOD EYESIGHT
HRS 1998:
    F3536           G126D.GOOD EYESIGHT
HRS 2000:
    G3824           G126D.GOOD EYESIGHT
HRS 2002-2022:
    xJ541           GOOD EYESIGHT
```

Current Job involves lots of stress

Wave	Variable	Label	Type
1	R1JSTRES	R1JSTRES:W1 Cur job involves much stress	Categ
2	R2JSTRES	R2JSTRES:W2 Cur job involves much stress	Categ
3	R3JSTRES	R3JSTRES:W3 Cur job involves much stress	Categ
4	R4JSTRES	R4JSTRES:W4 Cur job involves much stress	Categ
5	R5JSTRES	R5JSTRES:W5 Cur job involves much stress	Categ
6	R6JSTRES	R6JSTRES:W6 Cur job involves much stress	Categ
7	R7JSTRES	R7JSTRES:W7 Cur job involves much stress	Categ
8	R8JSTRES	R8JSTRES:W8 Cur job involves much stress	Categ
9	R9JSTRES	R9JSTRES:W9 Cur job involves much stress	Categ
10	R10JSTRES	R10JSTRES:W10 Cur job involves much stress	Categ
11	R11JSTRES	R11JSTRES:W11 Cur job involves much stress	Categ
12	R12JSTRES	R12JSTRES:W12 Cur job involves much stress	Categ
13	R13JSTRES	R13JSTRES:W13 Cur job involves much stress	Categ
14	R14JSTRES	R14JSTRES:W14 Cur job involves much stress	Categ
15	R15JSTRES	R15JSTRES:W15 Cur job involves much stress	Categ
16	R16JSTRES	R16JSTRES:W16 Cur job involves much stress	Categ
1	S1JSTRES	S1JSTRES:W1 Cur job involves much stress	Categ
2	S2JSTRES	S2JSTRES:W2 Cur job involves much stress	Categ
3	S3JSTRES	S3JSTRES:W3 Cur job involves much stress	Categ
4	S4JSTRES	S4JSTRES:W4 Cur job involves much stress	Categ
5	S5JSTRES	S5JSTRES:W5 Cur job involves much stress	Categ
6	S6JSTRES	S6JSTRES:W6 Cur job involves much stress	Categ
7	S7JSTRES	S7JSTRES:W7 Cur job involves much stress	Categ
8	S8JSTRES	S8JSTRES:W8 Cur job involves much stress	Categ
9	S9JSTRES	S9JSTRES:W9 Cur job involves much stress	Categ
10	S10JSTRES	S10JSTRES:W10 Cur job involves much stress	Categ
11	S11JSTRES	S11JSTRES:W11 Cur job involves much stress	Categ
12	S12JSTRES	S12JSTRES:W12 Cur job involves much stress	Categ
13	S13JSTRES	S13JSTRES:W13 Cur job involves much stress	Categ
14	S14JSTRES	S14JSTRES:W14 Cur job involves much stress	Categ
15	S15JSTRES	S15JSTRES:W15 Cur job involves much stress	Categ
16	S16JSTRES	S16JSTRES:W16 Cur job involves much stress	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JSTRES	8284	2.22	0.81	1.0	4.0
R2JSTRES	7722	2.37	0.86	1.0	4.0
R3JSTRES	6642	2.36	0.84	1.0	4.0
R4JSTRES	8084	2.31	0.83	1.0	4.0
R5JSTRES	6963	2.40	0.81	1.0	4.0
R6JSTRES	5833	2.37	0.82	1.0	4.0
R7JSTRES	7446	2.33	0.85	1.0	4.0
R8JSTRES	6381	2.34	0.86	1.0	4.0
R9JSTRES	5675	2.37	0.87	1.0	5.0
R10JSTRES	8565	2.30	0.86	1.0	5.0
R11JSTRES	7709	2.35	0.86	1.0	5.0
R12JSTRES	6676	2.37	0.85	1.0	5.0
R13JSTRES	8535	2.29	0.84	1.0	5.0
R14JSTRES	6557	2.42	0.85	1.0	5.0
R15JSTRES	5471	2.42	0.86	1.0	5.0
R16JSTRES	5664	2.40	0.87	1.0	5.0
S1JSTRES	6534	2.23	0.80	1.0	4.0
S2JSTRES	5937	2.35	0.85	1.0	4.0
S3JSTRES	5039	2.36	0.83	1.0	4.0

S4JSTRES	5957	2.30	0.83	1.0	4.0
S5JSTRES	5161	2.39	0.82	1.0	4.0
S6JSTRES	4293	2.37	0.81	1.0	4.0
S7JSTRES	5400	2.33	0.85	1.0	4.0
S8JSTRES	4643	2.34	0.85	1.0	4.0
S9JSTRES	4080	2.36	0.86	1.0	5.0
S10JSTRES	5870	2.28	0.85	1.0	5.0
S11JSTRES	5300	2.33	0.86	1.0	5.0
S12JSTRES	4506	2.35	0.84	1.0	5.0
S13JSTRES	5412	2.28	0.83	1.0	5.0
S14JSTRES	3990	2.39	0.83	1.0	5.0
S15JSTRES	3264	2.42	0.86	1.0	5.0
S16JSTRES	3044	2.40	0.86	1.0	5.0

Categorical Variable Codes

RwJSTRES: Cur job involves much stress

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	6	11	7	11	11	12	4	12	3	15
.J=Web interview, missing										
.M=Oth missing	14	75	145	88	57	29	92	82	98	321
.R=RF	80	7	5	11	8	5	4	6	8	3
.S=Skip,proxy IW		43	92	250	202	204	318	174	112	161
.W=Skip,not working	4268	11784	11100	12940	12337	12082	12265	11814	11321	12969
1.Strongly agree	1643	1287	1115	1492	1058	929	1403	1190	963	1676
2.Agree	3514	2999	2499	3020	2477	2154	2605	2233	2110	3279
3.Disagree	2755	2738	2572	3117	3011	2398	2989	2525	2155	3033
4.Strongly disagree	372	698	456	455	417	352	449	433	416	555
5.Does not apply									31	22

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	14	14	18	1	12	8
.J=Web interview, missing				20	23	26
.M=Oth missing	170	139	215	148	171	201
.R=RF	5	5	6	1	4	7
.S=Skip,proxy IW	111	90	109	66	56	39
.W=Skip,not working	12545	11823	12029	10353	9986	9842
1.Strongly agree	1357	1100	1568	939	811	884
2.Agree	2939	2561	3503	2551	2065	2170
3.Disagree	2810	2498	2936	2504	2118	2123
4.Strongly disagree	582	506	503	527	434	437
5.Does not apply	21	11	25	36	43	50

SwJSTRES: Cur job involves much stress

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	6	11	6	9	7	8	2	7	3	10
.J=Web interview, missing										
.M=Oth missing	5	44	65	41	24	15	53	53	59	191
.R=RF	55	6	4	6	5	5	3	3	3	2
.S=Skip,proxy IW		38	89	237	193	194	312	170	108	155
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
.W=Skip,not working	3300	7054	6714	7730	7340	7124	7202	6859	6393	7285
1.Strongly agree	1260	1001	823	1105	802	668	1016	847	689	1133
2.Agree	2827	2325	1914	2246	1871	1606	1908	1687	1559	2321
3.Disagree	2161	2138	1986	2300	2183	1782	2159	1812	1525	2044
4.Strongly disagree	286	473	316	306	305	237	317	297	286	358
5.Does not apply									21	14

Value	w11	w12	w13	w14	w15	w16
.D=DK/NA	9	7	14		7	6
.J=Web interview, missing				16	14	15
.M=Oth missing	93	78	93	59	50	71
.R=RF	2	3	3	1	3	2
.S=Skip,proxy IW	108	88	109	65	54	36
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Skip,not working	6972	6330	6148	5227	5085	4666
1.Strongly agree	948	732	993	561	466	455
2.Agree	2061	1785	2248	1623	1271	1187
3.Disagree	1891	1665	1853	1505	1242	1145
4.Strongly disagree	386	320	308	280	260	234
5.Does not apply	14	4	10	21	25	23

How Constructed

RwJSTRES indicates the extent to which the Respondent agrees with the statement that their job involves lots of stress.

If the question is skipped because the Respondent is not working, it is set to .W for not working. Unlike other job characteristic questions, this question is usually asked even if R is working at the same job. If skipped for some other reason, and R reported working at the prior interview, then the prior interview value is used.

Note that this question is not asked in any proxy interviews, but in many of these cases the prior interview report is used. Proxies for which this variable remains missing are set to .S.

If the value from a prior interview is used but is missing because the question wasn't asked or the interview was by proxy then current wave variable is set to .P, information from prior interview is missing.

In Wave 2A, there are only three levels of response as opposed to the four in other waves, and the wording reflects frequency rather than agreement. The omitted level in Wave 2A is the one that would correspond to "Strongly Agree" in other waves. The response of "Most of the time" is set to correspond to "Agree" in other waves, "Some of the time" is set to correspond to "Disagree", and "Hardly ever" is set to correspond to "Strongly Disagree."

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJSTRES.

Cross Wave Differences in Original HRS Data

Each wave working Respondents are asked a number of questions about the job's characteristics. The question wording is the same across waves and asks:

"Here are some statements that are true for some people's jobs but not for others. Thinking of your job, please indicate how much you agree or disagree with each statement.

My job involves a lot of stress.

Do you strongly agree, agree, disagree or strongly disagree with that statement?"

In Wave 2A, the second part of the question was slightly different:

"Is this true most of the time, some of the time, or hardly ever?"

So for the AHEAD Respondents, R2JSTRES has one fewer response category (missing "All or almost all of the time"), and the wording reflects frequency not agreement.

In Wave 3A the question is asked separately and appears in different variables, depending on whether the Respondent is self-employed or not.

This question is asked if the Respondent is working, whether or not it is the same job as the prior interview.

From Wave 9, a category with value 5 was added to represent "Does Not Apply."

HRS Variables Used

```
HRS 1992:
    V3317           F83D:JB INVOLVES STRESS
AHEAD 1993:
    B1196           G9c. CURR WORK: JOB STRESS HOW OFTEN
HRS 1994:
    W3950           FA116b.LOT OF STRESS
    W4608           FB76b.JOB INVOLVES LOT O
AHEAD 1995:
    D3103           GA116B. LOT OF STRESS
    D3463           GB76B. LOT OF STRESS
HRS 1996:
    E3012           G127B.LOT OF STRESS
HRS 1998:
    F3541           G127B.LOT OF STRESS
HRS 2000:
    G3830           G127B.LOT OF STRESS
HRS 2002-2022:
    xJ547           A LOT OF STRESS
```

Years of tenure on current job

Wave	Variable	Label	Type
1	R1JCTEN	R1JCTEN:W1 Current Job Tenure	Cont
2	R2JCTEN	R2JCTEN:W2 Current Job Tenure	Cont
3	R3JCTEN	R3JCTEN:W3 Current Job Tenure	Cont
4	R4JCTEN	R4JCTEN:W4 Current Job Tenure	Cont
5	R5JCTEN	R5JCTEN:W5 Current Job Tenure	Cont
6	R6JCTEN	R6JCTEN:W6 Current Job Tenure	Cont
7	R7JCTEN	R7JCTEN:W7 Current Job Tenure	Cont
8	R8JCTEN	R8JCTEN:W8 Current Job Tenure	Cont
9	R9JCTEN	R9JCTEN:W9 Current Job Tenure	Cont
10	R10JCTEN	R10JCTEN:W10 Current Job Tenure	Cont
11	R11JCTEN	R11JCTEN:W11 Current Job Tenure	Cont
12	R12JCTEN	R12JCTEN:W12 Current Job Tenure	Cont
13	R13JCTEN	R13JCTEN:W13 Current Job Tenure	Cont
14	R14JCTEN	R14JCTEN:W14 Current Job Tenure	Cont
15	R15JCTEN	R15JCTEN:W15 Current Job Tenure	Cont
16	R16JCTEN	R16JCTEN:W16 Current Job Tenure	Cont
1	S1JCTEN	S1JCTEN:W1 Current Job Tenure	Cont
2	S2JCTEN	S2JCTEN:W2 Current Job Tenure	Cont
3	S3JCTEN	S3JCTEN:W3 Current Job Tenure	Cont
4	S4JCTEN	S4JCTEN:W4 Current Job Tenure	Cont
5	S5JCTEN	S5JCTEN:W5 Current Job Tenure	Cont
6	S6JCTEN	S6JCTEN:W6 Current Job Tenure	Cont
7	S7JCTEN	S7JCTEN:W7 Current Job Tenure	Cont
8	S8JCTEN	S8JCTEN:W8 Current Job Tenure	Cont
9	S9JCTEN	S9JCTEN:W9 Current Job Tenure	Cont
10	S10JCTEN	S10JCTEN:W10 Current Job Tenure	Cont
11	S11JCTEN	S11JCTEN:W11 Current Job Tenure	Cont
12	S12JCTEN	S12JCTEN:W12 Current Job Tenure	Cont
13	S13JCTEN	S13JCTEN:W13 Current Job Tenure	Cont
14	S14JCTEN	S14JCTEN:W14 Current Job Tenure	Cont
15	S15JCTEN	S15JCTEN:W15 Current Job Tenure	Cont
16	S16JCTEN	S16JCTEN:W16 Current Job Tenure	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JCTEN	8344	13.17	11.05	0.0	55.9
R2JCTEN	7785	13.74	12.52	0.0	68.4
R3JCTEN	6707	13.17	12.47	0.0	70.5
R4JCTEN	8192	12.93	12.26	0.0	70.5
R5JCTEN	7067	12.52	12.27	0.0	73.0
R6JCTEN	5942	12.51	12.57	0.0	75.0
R7JCTEN	7707	11.89	11.67	0.0	67.5
R8JCTEN	6510	11.94	11.90	0.0	69.6
R9JCTEN	5776	12.15	11.98	0.0	69.2
R10JCTEN	8726	12.18	11.30	0.0	71.0
R11JCTEN	7817	12.01	11.57	0.0	71.8
R12JCTEN	6752	12.08	11.68	0.0	70.1
R13JCTEN	8589	11.59	11.23	0.0	69.6
R14JCTEN	6529	11.48	11.35	0.0	61.7
R15JCTEN	5424	11.93	11.71	0.0	67.5
R16JCTEN	5659	11.04	11.33	0.0	66.5
S1JCTEN	6582	13.24	11.13	0.0	55.9
S2JCTEN	5999	13.74	12.41	0.0	68.4
S3JCTEN	5101	13.22	12.47	0.0	70.5

S4JCTEN	6086	12.97	12.23	0.0	70.5
S5JCTEN	5283	12.68	12.30	0.0	73.0
S6JCTEN	4420	12.68	12.65	0.0	75.0
S7JCTEN	5674	12.09	11.79	0.0	67.5
S8JCTEN	4788	12.13	11.98	0.0	69.6
S9JCTEN	4182	12.41	12.09	0.0	69.2
S10JCTEN	6025	12.38	11.36	0.0	71.0
S11JCTEN	5411	12.32	11.53	0.0	71.8
S12JCTEN	4591	12.33	11.64	0.0	68.0
S13JCTEN	5486	11.79	11.29	0.0	69.6
S14JCTEN	4012	11.81	11.38	0.0	61.7
S15JCTEN	3265	12.16	11.61	0.0	67.5
S16JCTEN	3053	11.22	11.21	0.0	63.3

How Constructed

RwJCTEN is the Respondent's years of tenure on the current job in Wave 'w.'

Current work status, reported job changes, current job start year and current interview date are used to derive the current job tenure for each interview. It is calculated in years, rounded to the nearest tenth, using current interview date minus current job start date. If the Respondent continues to hold the same job, the job start date is taken from the interview when the job was first reported, except when a self-employed Respondent gives a job start date that falls between interviews. In this case the given job start date is used.

Job start dates are reported as month and year or just year. If the month is missing or not asked, July is used as the month. If any reported job year is before the Respondent turned age 15, then it is set to the year the Respondent turned 15 instead.

If a Respondent reports a job start date that is before the prior interview, then the job start date is adjusted to be between the prior and current interviews. If the end date of a prior job is given, then it is set to the midpoint between the end of the prior job and the current interview. If the Respondent says they still have the ending job, then the start date is set to the previously given job start date. Otherwise it is set to the midpoint between the two interviews. This most frequently happens with the self-employed.

If the Respondent is not working, this variable is set to a .W missing code.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJCTEN.

Cross Wave Differences in Original HRS Data

Each interview obtains the Respondent's current work status. At the Respondent's first interview questions ask the start date, industry, and occupation of their current job if they are working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date of the new one.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

HRS Variables Used

```
HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V12718          F3:WHO WORK FOR     :IND
    V2717           F2:ANY WRK FOR PAY  :IMP
```

```
    V2718           F3:WHO WORK FOR     :IMP
    V2816           F23:YR STARTED FOR EMPLR
    V2834           F33:YR STRT THIS BUSINES
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1175           G1a. WORK LAST 2 YRS?
    B1178           G2. CURRENTLY SELF EMPLOYED
    B1182           G4. CURRENT WORK START YEAR
    B1183           G4. CURRENT WORK START YEARS AGO
    B1184           G4. CURRENT WORK START AT AGE
    B1232           G20. EVER WORK 10/+ YRS?
HRS 1994:
    W3316           FA2.WORKING FOR PAY
    W3317           FA3.WORK FOR SOMEONE ELS
    W3458           FA19.STILL WORKING FOR W
    W3662           FA59.START WORK FOR EMPL
    W3663           FA59.START WORK FOR EMPL
    W4327           FB22.STARTED S-E WORK-MO
    W4328           FB22a.STARTED S-E WORK-Y
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2651           GA2.WORKING ANY CURRENT
    D2653           GA3. SELF/OTHER EMPLOYED
    D2747           GA19. STILL WORKING SAME EMPLOYER
    D2831           GA43. MONTH STARTED CURRENT WORK
    D2832           GA43A. YEAR STARTED CURRENT WORK
HRS 1996:
    E2627           G2.WORKING FOR PAY
    E2628           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    E2654           G19A.STILL WORKNG FOR PREV WAVE EMPLOYER
    E2655           G19B.STILL WORKING PREV EMPLOYER
    E2825           G63.START WORK FOR EMPLOYER-MONTH
    E2826           G63A.START WORK FOR EMPLOYER-YEAR
HRS 1998:
    F3131           G2.WORKING FOR PAY
    F3132           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    F3158           G19A.STILL WORKING FOR PREV WAVE EMPLOYE
    F3166           G19B.STILL WORKING PREV EMPLOYER
    F3348           G63.START WORK FOR EMPLOYER-MONTH
    F3349           G63A.START WORK FOR EMPLOYER-YEAR
HRS 2000:
    G3381           G2.WORKING FOR PAY
    G3382           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    G3416           G19B.STILL WORKING PREV EMPLOYER
    G3607           G63.START WORK FOR EMPLOYER-MONTH
    G3608           G63A.START WORK FOR EMPLOYER-YEAR
HRS 2002-2022:
    xJ020           WORKING FOR PAY
    xJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    xJ045           STILL WORKING PREV EMPLOYER
    xJ248           MO-START WORK FOR CURRENT EMPLOYER
    xJ249           YR-START WORK FOR CURRENT EMPLOYER
```

Occupation code for current job

Wave	Variable	Label	Type
1	R1JCOCC	R1JCOCC:W1 Current Job Occup/1980 Census	Categ
2	R2JCOCC	R2JCOCC:W2 Current Job Occup/1980 Census	Categ
3	R3JCOCC	R3JCOCC:W3 Current Job Occup/1980 Census	Categ
4	R4JCOCC	R4JCOCC:W4 Current Job Occup/1980 Census	Categ
5	R5JCOCC	R5JCOCC:W5 Current Job Occup/1980 Census	Categ
6	R6JCOCC	R6JCOCC:W6 Current Job Occup/1980 Census	Categ
7	R7JCOCC	R7JCOCC:W7 Current Job Occup/1980 Census	Categ
8	R8JCOCC	R8JCOCC:W8 Current Job Occup/1980 Census	Categ
9	R9JCOCC	R9JCOCC:W9 Current Job Occup/1980 Census	Categ
10	R10JCOCC	R10JCOCC:W10 Current Job Occup/1980 Census	Categ
11	R11JCOCC	R11JCOCC:W11 Current Job Occup/1980 Census	Categ
12	R12JCOCC	R12JCOCC:W12 Current Job Occup/1980 Census	Categ
13	R13JCOCC	R13JCOCC:W13 Current Job Occup/1980 Census	Categ
14	R14JCOCC	R14JCOCC:W14 Current Job Occup/1980 Census	Categ
15	R15JCOCC	R15JCOCC:W15 Current Job Occup/1980 Census	Categ
16	R16JCOCC	R16JCOCC:W16 Current Job Occup/1980 Census	Categ
1	S1JCOCC	S1JCOCC:W1 Current Job Occup/1980 Census	Categ
2	S2JCOCC	S2JCOCC:W2 Current Job Occup/1980 Census	Categ
3	S3JCOCC	S3JCOCC:W3 Current Job Occup/1980 Census	Categ
4	S4JCOCC	S4JCOCC:W4 Current Job Occup/1980 Census	Categ
5	S5JCOCC	S5JCOCC:W5 Current Job Occup/1980 Census	Categ
6	S6JCOCC	S6JCOCC:W6 Current Job Occup/1980 Census	Categ
7	S7JCOCC	S7JCOCC:W7 Current Job Occup/1980 Census	Categ
8	S8JCOCC	S8JCOCC:W8 Current Job Occup/1980 Census	Categ
9	S9JCOCC	S9JCOCC:W9 Current Job Occup/1980 Census	Categ
10	S10JCOCC	S10JCOCC:W10 Current Job Occup/1980 Census	Categ
11	S11JCOCC	S11JCOCC:W11 Current Job Occup/1980 Census	Categ
12	S12JCOCC	S12JCOCC:W12 Current Job Occup/1980 Census	Categ
13	S13JCOCC	S13JCOCC:W13 Current Job Occup/1980 Census	Categ
14	S14JCOCC	S14JCOCC:W14 Current Job Occup/1980 Census	Categ
15	S15JCOCC	S15JCOCC:W15 Current Job Occup/1980 Census	Categ
16	S16JCOCC	S16JCOCC:W16 Current Job Occup/1980 Census	Categ
2	R2JCOCCA	R2JCOCCA:W2 Cur Job Occup/Ahead coding	Categ
3	R3JCOCCA	R3JCOCCA:W3 Cur Job Occup/Ahead coding	Categ
4	R4JCOCCA	R4JCOCCA:W4 Cur Job Occup/Ahead coding	Categ
5	R5JCOCCA	R5JCOCCA:W5 Cur Job Occup/Ahead coding	Categ
6	R6JCOCCA	R6JCOCCA:W6 Cur Job Occup/Ahead coding	Categ
7	R7JCOCCA	R7JCOCCA:W7 Cur Job Occup/Ahead coding	Categ
8	R8JCOCCA	R8JCOCCA:W8 Cur Job Occup/Ahead coding	Categ
9	R9JCOCCA	R9JCOCCA:W9 Cur Job Occup/Ahead coding	Categ
10	R10JCOCCA	R10JCOCCA:W10 Cur Job Occup/Ahead coding	Categ
11	R11JCOCCA	R11JCOCCA:W11 Cur Job Occup/Ahead coding	Categ
12	R12JCOCCA	R12JCOCCA:W12 Cur Job Occup/Ahead coding	Categ
13	R13JCOCCA	R13JCOCCA:W13 Cur Job Occup/Ahead coding	Categ
14	R14JCOCCA	R14JCOCCA:W14 Cur Job Occup/Ahead coding	Categ
15	R15JCOCCA	R15JCOCCA:W15 Cur Job Occup/Ahead coding	Categ
16	R16JCOCCA	R16JCOCCA:W16 Cur Job Occup/Ahead coding	Categ
2	S2JCOCCA	S2JCOCCA:W2 Cur Job Occup/Ahead coding	Categ
3	S3JCOCCA	S3JCOCCA:W3 Cur Job Occup/Ahead coding	Categ
4	S4JCOCCA	S4JCOCCA:W4 Cur Job Occup/Ahead coding	Categ
5	S5JCOCCA	S5JCOCCA:W5 Cur Job Occup/Ahead coding	Categ
6	S6JCOCCA	S6JCOCCA:W6 Cur Job Occup/Ahead coding	Categ
7	S7JCOCCA	S7JCOCCA:W7 Cur Job Occup/Ahead coding	Categ
8	S8JCOCCA	S8JCOCCA:W8 Cur Job Occup/Ahead coding	Categ
9	S9JCOCCA	S9JCOCCA:W9 Cur Job Occup/Ahead coding	Categ
10	S10JCOCCA	S10JCOCCA:W10 Cur Job Occup/Ahead coding	Categ
11	S11JCOCCA	S11JCOCCA:W11 Cur Job Occup/Ahead coding	Categ
12	S12JCOCCA	S12JCOCCA:W12 Cur Job Occup/Ahead coding	Categ
13	S13JCOCCA	S13JCOCCA:W13 Cur Job Occup/Ahead coding	Categ
14	S14JCOCCA	S14JCOCCA:W14 Cur Job Occup/Ahead coding	Categ
15	S15JCOCCA	S15JCOCCA:W15 Cur Job Occup/Ahead coding	Categ
16	S16JCOCCA	S16JCOCCA:W16 Cur Job Occup/Ahead coding	Categ

7	R7JCOCCB	R7JCOCCB:W7 Cur Job Occup/2000 Census	Categ
8	R8JCOCCB	R8JCOCCB:W8 Cur Job Occup/2000 Census	Categ
9	R9JCOCCB	R9JCOCCB:W9 Cur Job Occup/2000 Census	Categ
10	R10JCOCCB	R10JCOCCB:W10 Cur Job Occup/2000 Census	Categ
11	R11JCOCCB	R11JCOCCB:W11 Cur Job Occup/2000 Census	Categ
12	R12JCOCCB	R12JCOCCB:W12 Cur Job Occup/2000 Census	Categ
13	R13JCOCCB	R13JCOCCB:W13 Cur Job Occup/2000 Census	Categ
14	R14JCOCCB	R14JCOCCB:W14 Cur Job Occup/2000 Census	Categ
15	R15JCOCCB	R15JCOCCB:W15 Cur Job Occup/2000 Census	Categ
16	R16JCOCCB	R16JCOCCB:W16 Cur Job Occup/2000 Census	Categ
7	S7JCOCCB	S7JCOCCB:W7 Cur Job Occup/2000 Census	Categ
8	S8JCOCCB	S8JCOCCB:W8 Cur Job Occup/2000 Census	Categ
9	S9JCOCCB	S9JCOCCB:W9 Cur Job Occup/2000 Census	Categ
10	S10JCOCCB	S10JCOCCB:W10 Cur Job Occup/2000 Census	Categ
11	S11JCOCCB	S11JCOCCB:W11 Cur Job Occup/2000 Census	Categ
12	S12JCOCCB	S12JCOCCB:W12 Cur Job Occup/2000 Census	Categ
13	S13JCOCCB	S13JCOCCB:W13 Cur Job Occup/2000 Census	Categ
14	S14JCOCCB	S14JCOCCB:W14 Cur Job Occup/2000 Census	Categ
15	S15JCOCCB	S15JCOCCB:W15 Cur Job Occup/2000 Census	Categ
16	S16JCOCCB	S16JCOCCB:W16 Cur Job Occup/2000 Census	Categ
10	R10JCOCCC	R10JCOCCC:W10 Cur Job Occup/2010 Census	Categ
11	R11JCOCCC	R11JCOCCC:W11 Cur Job Occup/2010 Census	Categ
12	R12JCOCCC	R12JCOCCC:W12 Cur Job Occup/2010 Census	Categ
13	R13JCOCCC	R13JCOCCC:W13 Cur Job Occup/2010 Census	Categ
14	R14JCOCCC	R14JCOCCC:W14 Cur Job Occup/2010 Census	Categ
15	R15JCOCCC	R15JCOCCC:W15 Cur Job Occup/2010 Census	Categ
16	R16JCOCCC	R16JCOCCC:W16 Cur Job Occup/2010 Census	Categ
10	S10JCOCCC	S10JCOCCC:W10 Cur Job Occup/2010 Census	Categ
11	S11JCOCCC	S11JCOCCC:W11 Cur Job Occup/2010 Census	Categ
12	S12JCOCCC	S12JCOCCC:W12 Cur Job Occup/2010 Census	Categ
13	S13JCOCCC	S13JCOCCC:W13 Cur Job Occup/2010 Census	Categ
14	S14JCOCCC	S14JCOCCC:W14 Cur Job Occup/2010 Census	Categ
15	S15JCOCCC	S15JCOCCC:W15 Cur Job Occup/2010 Census	Categ
16	S16JCOCCC	S16JCOCCC:W16 Cur Job Occup/2010 Census	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JCOCC	8360	6.28	4.87	1.0	17.0
R2JCOCC	6998	6.20	4.84	1.0	17.0
R3JCOCC	6138	6.15	4.81	1.0	17.0
R4JCOCC	8072	6.03	4.79	1.0	17.0
R5JCOCC	7008	5.93	4.76	1.0	17.0
R6JCOCC	6047	5.94	4.79	1.0	17.0
R7JCOCC	7788	5.84	4.71	1.0	17.0
R8JCOCC	4794	5.64	4.66	1.0	17.0
R9JCOCC	3785	5.60	4.65	1.0	16.0
R10JCOCC	2807	5.46	4.54	1.0	17.0
R11JCOCC	2177	5.28	4.48	1.0	17.0
R12JCOCC	1625	5.26	4.51	1.0	16.0
R13JCOCC	1100	5.19	4.35	1.0	16.0
R14JCOCC	679	5.20	4.38	1.0	16.0
R15JCOCC	510	4.86	4.14	1.0	16.0
R16JCOCC	307	4.92	4.30	1.0	16.0
S1JCOCC	6588	6.28	4.93	1.0	17.0
S2JCOCC	5468	6.23	4.91	1.0	17.0
S3JCOCC	4725	6.22	4.90	1.0	17.0
S4JCOCC	6013	6.07	4.86	1.0	17.0

S5JCOCC	5248	5.96	4.85	1.0	17.0
S6JCOCC	4496	5.95	4.88	1.0	17.0
S7JCOCC	5724	5.86	4.81	1.0	17.0
S8JCOCC	3545	5.68	4.75	1.0	17.0
S9JCOCC	2765	5.55	4.69	1.0	16.0
S10JCOCC	2012	5.40	4.57	1.0	17.0
S11JCOCC	1530	5.24	4.53	1.0	17.0
S12JCOCC	1122	5.14	4.54	1.0	16.0
S13JCOCC	723	5.16	4.37	1.0	16.0
S14JCOCC	422	5.29	4.54	1.0	16.0
S15JCOCC	304	4.82	4.27	1.0	16.0
S16JCOCC	179	4.99	4.41	1.0	16.0
R2JCOCCA	768	4.38	2.65	1.0	9.0
R3JCOCCA	627	4.39	2.69	1.0	9.0
R4JCOCCA	472	4.59	2.66	1.0	9.0
R5JCOCCA	256	4.34	2.63	1.0	9.0
R6JCOCCA	132	4.40	2.59	1.0	9.0
R7JCOCCA	77	4.13	2.61	1.0	9.0
R8JCOCCA	42	4.40	2.76	1.0	9.0
R9JCOCCA	19	4.16	2.77	1.0	9.0
R10JCOCCA	9	3.78	2.91	1.0	9.0
R11JCOCCA	5	4.00	2.92	2.0	9.0
R12JCOCCA	1	3.00	.	3.0	3.0
S2JCOCCA	520	4.10	2.58	1.0	9.0
S3JCOCCA	408	4.08	2.62	1.0	9.0
S4JCOCCA	293	4.39	2.62	1.0	9.0
S5JCOCCA	152	4.21	2.53	1.0	9.0
S6JCOCCA	76	4.42	2.60	1.0	9.0
S7JCOCCA	44	4.43	2.82	1.0	9.0
S8JCOCCA	20	4.40	3.12	1.0	9.0
S9JCOCCA	10	3.90	3.21	1.0	9.0
S10JCOCCA	4	3.25	3.86	1.0	9.0
S11JCOCCA	2	5.50	4.95	2.0	9.0
R7JCOCCB	5109	13.54	7.15	1.0	25.0
R8JCOCCB	6551	13.63	7.06	1.0	25.0
R9JCOCCB	5847	13.62	6.98	1.0	25.0
R10JCOCCB	8796	13.81	6.90	1.0	25.0
R11JCOCCB	5620	13.65	6.90	1.0	25.0
R12JCOCCB	3870	13.60	6.91	1.0	25.0
R13JCOCCB	2525	13.59	6.86	1.0	25.0
R14JCOCCB	1516	13.58	6.80	1.0	25.0
R15JCOCCB	1111	13.44	6.79	1.0	25.0
R16JCOCCB	621	13.37	6.66	1.0	24.0
S7JCOCCB	3779	13.43	7.35	1.0	25.0
S8JCOCCB	4818	13.52	7.29	1.0	25.0
S9JCOCCB	4224	13.43	7.24	1.0	25.0
S10JCOCCB	6067	13.70	7.13	1.0	25.0
S11JCOCCB	3924	13.48	7.13	1.0	25.0
S12JCOCCB	2647	13.40	7.12	1.0	25.0
S13JCOCCB	1698	13.37	7.12	1.0	24.0
S14JCOCCB	966	13.34	7.09	1.0	24.0
S15JCOCCB	674	13.21	6.99	1.0	24.0
S16JCOCCB	362	13.15	6.98	1.0	24.0
R10JCOCCC	6231	12.79	6.55	1.0	23.0

R11JCOCCC	6166	12.70	6.57	1.0	23.0
R12JCOCCC	5681	12.76	6.51	1.0	23.0
R13JCOCCC	8642	12.80	6.60	1.0	23.0
R14JCOCCC	6514	12.77	6.59	1.0	23.0
R15JCOCCC	5463	12.67	6.55	1.0	23.0
R16JCOCCC	5715	12.44	6.64	1.0	23.0
S10JCOCCC	4258	12.71	6.74	1.0	23.0
S11JCOCCC	4251	12.55	6.80	1.0	23.0
S12JCOCCC	3844	12.63	6.75	1.0	23.0
S13JCOCCC	5523	12.75	6.82	1.0	23.0
S14JCOCCC	4001	12.65	6.84	1.0	23.0
S15JCOCCC	3281	12.54	6.77	1.0	23.0
S16JCOCCC	3084	12.32	6.82	1.0	23.0

Categorical Variable Codes

RwJCOCC: Current Job Occup/1980 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code				171	112		24	1803	2062	6002
.M=Oth missing	33	67	82	198	120	36	52	58	49	255
.Q=Not asked this wv		788	650							
.W=Skip,not working	4259	11789	11121	12943	12338	12082	12265	11814	11321	12970
01.Managerial specialty ope	1238	1063	928	1173	1057	907	1102	694	563	415
02.Prof specialty opr/tech	1305	1109	997	1444	1275	1111	1511	1002	805	629
03.Sales	848	709	644	886	737	674	879	541	426	335
04.Clerical/admin supp	1340	1095	949	1242	1134	914	1232	791	610	422
05.Svc:prv hhld/clean/bldg	130	110	93	129	94	79	99	49	35	25
06.Svc:protection	138	115	104	125	120	111	147	86	70	45
07.Svc:food prep	252	220	184	244	197	176	230	131	98	76
08.Health svc	197	173	150	200	174	161	195	108	82	60
09.Personal svc	569	525	448	542	490	428	564	313	249	213
10.Farming/forestry/fishing	265	230	193	264	213	213	232	138	113	96
11.Mechanics/repair	305	225	216	267	212	155	224	139	107	76
12.Constr trade/extractors	287	221	218	265	226	169	259	151	132	87
13.Precision production	284	234	195	232	191	156	184	114	86	59
14.Operators: machine	565	440	360	444	338	284	307	180	122	79
15.Operators: transport, et	420	358	325	413	379	341	379	228	180	121
16.Operators: handlers, etc	210	168	132	198	169	163	237	127	107	68
17.Member of Armed Forces	7	3	2	4	2	5	7	2		1

Value	w11	w12	w13	w14	w15	w16
.B=Other Census code	5695	5179	7546	5850	4969	5417
.M=Oth missing	137	118	234	270	264	196
.Q=Not asked this wv						
.W=Skip,not working	12545	11825	12032	10347	9980	9867
01.Managerial specialty ope	327	240	154	86	71	49
02.Prof specialty opr/tech	522	421	285	187	141	81
03.Sales	281	205	145	90	80	42
04.Clerical/admin supp	311	216	142	88	62	44
05.Svc:prv hhld/clean/bldg	16	16	9	6	4	
06.Svc:protection	27	13	13	8	6	4
07.Svc:food prep	59	38	35	19	15	5
08.Health svc	45	31	18	13	9	4
09.Personal svc	164	121	87	49	35	24
10.Farming/forestry/fishing	69	44	39	26	18	10
11.Mechanics/repair	56	52	36	19	14	6
12.Constr trade/extractors	62	45	31	21	13	9

13.Precision production	40	35	24	14	13	9
14.Operators: machine	55	43	27	15	12	6
15.Operators: transport, et	91	70	36	26	11	8
16.Operators: handlers, etc	51	35	19	12	6	6
17.Member of Armed Forces	1					

SwJCOCC: Current Job Occup/1980 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code				110	69		20	1300	1459	4062
.M=Oth missing	19	42	49	125	72	19	26	31	29	153
.Q=Not asked this wv		522	415							
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
.W=Skip,not working	3293	7058	6728	7732	7341	7124	7202	6859	6393	7286
01.Managerial specialty ope	1019	863	743	914	827	712	850	547	432	306
02.Prof specialty opr/tech	1019	866	757	1078	963	846	1143	747	599	469
03.Sales	711	588	518	667	567	515	667	404	329	246
04.Clerical/admin supp	1026	821	697	896	816	644	848	550	426	297
05.Svc:prv hhld/clean/bldg	82	61	48	62	50	42	51	25	19	14
06.Svc:protection	114	101	86	103	100	86	113	71	52	38
07.Svc:food prep	166	142	118	150	108	94	132	73	56	41
08.Health svc	112	90	82	116	101	92	112	61	45	29
09.Personal svc	415	388	322	374	326	291	364	205	155	124
10.Farming/forestry/fishing	225	196	173	223	181	173	192	116	95	78
11.Mechanics/repair	253	189	187	222	178	131	188	121	91	66
12.Constr trade/extractors	254	193	183	226	190	135	209	121	106	68
13.Precision production	237	200	164	186	150	120	141	94	69	44
14.Operators: machine	435	330	269	324	261	211	223	130	84	59
15.Operators: transport, et	358	300	272	323	302	274	309	183	129	89
16.Operators: handlers, etc	156	137	104	145	126	127	176	95	78	43
17.Member of Armed Forces	6	3	2	4	2	3	6	2		1

Value	w11	w12	w13	w14	w15	w16
.B=Other Census code	3915	3495	4804	3589	2985	2911
.M=Oth missing	67	63	100	123	104	73
.Q=Not asked this wv						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Skip,not working	6972	6332	6152	5224	5084	4677
01.Managerial specialty ope	232	180	99	52	41	25
02.Prof specialty opr/tech	381	293	198	121	92	48
03.Sales	203	154	98	62	52	28
04.Clerical/admin supp	217	143	90	48	33	27
05.Svc:prv hhld/clean/bldg	9	9	5	3	1	
06.Svc:protection	21	10	7	4	4	3
07.Svc:food prep	29	20	16	8	7	3
08.Health svc	23	16	10	5	2	
09.Personal svc	92	59	49	23	10	8
10.Farming/forestry/fishing	53	38	32	20	14	7
11.Mechanics/repair	47	38	26	12	11	5
12.Constr trade/extractors	51	37	25	18	9	7
13.Precision production	33	24	17	11	8	4
14.Operators: machine	40	27	18	7	8	4
15.Operators: transport, et	67	54	22	20	9	7
16.Operators: handlers, etc	31	20	11	8	3	3
17.Member of Armed Forces	1					

RwJCOCCA: Cur Job Occup/Ahead coding

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing		24	24	19						
.Q=Not asked this wv		11420	10964	15433	14690	14148	16847	15841	15130	20545
.W=Skip,not working		7430	6376	5460	4632	3885	3205	2586	2068	1480
01.Professional/technical w		134	106	80	46	22	16	8	3	2
02.Managers/officials/propr		106	97	40	31	13	9	4	4	2
03.Clerical/kindred workers		105	88	72	37	19	9	6	3	1
04.Sales workers		103	78	81	45	28	17	9	3	2
05.Craftsmen/foremen/kindre		62	42	21	11	7	4	1		
06.Operatives/kindred worke		42	36	32	19	11	6	3	1	
07.Laborers/farm foremen		21	23	21	5	1				
08.Svc workers		172	123	102	51	23	11	7	4	1
09.Farmers and farm manager		23	34	23	11	8	5	4	1	1

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing						
.Q=Not asked this wv	19421	17919	20413	16861	15565	15688
.W=Skip,not working	1128	827	499	285	158	99
01.Professional/technical w						
02.Managers/officials/propr	2					
03.Clerical/kindred workers	1	1				
04.Sales workers	1					
05.Craftsmen/foremen/kindre						
06.Operatives/kindred worke						
07.Laborers/farm foremen						
08.Svc workers						
09.Farmers and farm manager	1					

SwJCOCCA: Cur Job Occup/Ahead coding

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing		6	8	5						
.Q=Not asked this wv		9125	8630	11180	10636	10065	11802	10910	10060	13170
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		200	95	536	311	220	380	317	365	724
.W=Skip,not working		3823	3193	2502	1942	1498	1126	805	576	339
01.Professional/technical w		105	81	57	26	14	10	6	3	2
02.Managers/officials/propr		81	71	26	21	6	4	1	2	1
03.Clerical/kindred workers		64	49	39	21	10	4	2	1	
04.Sales workers		71	54	51	27	15	7	3	1	
05.Craftsmen/foremen/kindre		44	34	20	10	6	4	1		
06.Operatives/kindred worke		36	26	24	14	7	4	1		
07.Laborers/farm foremen		17	16	15	5	1				
08.Svc workers		84	52	43	20	12	6	3	2	
09.Farmers and farm manager		18	25	18	8	5	5	3	1	1

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing						
.Q=Not asked this wv	12266	10883	11727	9334	8470	7834
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Skip,not working	216	129	52	24	7	6
01.Professional/technical w						
02.Managers/officials/propr	1					
03.Clerical/kindred workers						
04.Sales workers						
05.Craftsmen/foremen/kindre						
06.Operatives/kindred worke						

07.Laborers/farm foremen	
08.Svc workers	
09.Farmers and farm manager	1

RwJCOCCB: Cur Job Occup/2000 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code										
.M=Oth missing							52	58	49	255
.P=From previous Census cod							2703	46		13
.W=Skip,not working							12265	11814	11321	12970
01.Management Occupations							635	748	650	858
02.Business Oper-ns Special							96	130	105	188
03.Financial Specialists							112	131	117	154
04.Computer+Math Occs							68	83	72	142
05.Architecture+Engineering							71	93	94	128
06.Life/Physical/SocialSci							58	75	59	77
07.Community+Social Svcs Oc							120	146	120	204
08.Legal Occups							70	88	82	109
09.Education/Training/Libra							262	440	430	617
10.Arts/Design/Entertnmt Oc							123	116	95	146
11.Hlthcare Practition/Tech							205	290	257	409
12.Healthcare Support Occs							142	166	168	285
13.Protective Service Occs							90	121	120	174
14.Food Prep+Serving Occs							131	220	211	303
15.Blding/Grounds/Clean/Mai							302	363	332	592
16.Personal Care+Service Oc							237	279	259	471
17.Sales Occups							632	712	635	841
18.Office+Admin Support Occ							696	1054	908	1297
19.Farm/Fish/Forestry Occup							34	43	39	53
20.Construction Trades							272	281	248	381
21.Extraction Workers							3	4	2	3
22.Install/Maint/Repair Wor							163	173	161	289
23.Production Occups							331	407	333	519
24.Transport/Material Movin							251	386	345	547
25.Military Specific Occups							5	2	5	9

Value	w11	w12	w13	w14	w15	w16
.B=Other Census code	2236	2800	5955	4870	4240	5007
.M=Oth missing	137	118	234	270	264	196
.P=From previous Census cod	16	134	166	143	128	96
.W=Skip,not working	12545	11825	12032	10347	9980	9867
01.Management Occupations	554	372	246	137	111	59
02.Business Oper-ns Special	119	77	38	21	11	7
03.Financial Specialists	109	87	52	31	22	14
04.Computer+Math Occs	90	64	43	28	16	5
05.Architecture+Engineering	84	59	45	30	23	9
06.Life/Physical/SocialSci	48	35	23	17	15	10
07.Community+Social Svcs Oc	132	90	58	42	35	21
08.Legal Occups	87	69	48	32	32	22
09.Education/Training/Libra	422	297	198	126	76	48
10.Arts/Design/Entertnmt Oc	89	70	52	28	18	13
11.Hlthcare Practition/Tech	301	228	148	81	67	33
12.Healthcare Support Occs	179	120	72	48	36	17
13.Protective Service Occs	101	56	40	18	15	7
14.Food Prep+Serving Occs	174	105	73	45	27	16
15.Blding/Grounds/Clean/Mai	375	254	163	91	66	40
16.Personal Care+Service Oc	268	193	125	81	62	42
17.Sales Occups	552	361	252	162	123	66
18.Office+Admin Support Occ	841	565	359	210	154	88
19.Farm/Fish/Forestry Occup	26	17	9	6	6	2
20.Construction Trades	229	164	102	57	43	24
21.Extraction Workers	1					
22.Install/Maint/Repair Wor	182	141	94	51	36	18
23.Production Occups	321	216	147	90	67	37

24.Transport/Material Movin	333	227	137	83	49	23
25.Military Specific Occups	3	3	1	1	1	

SwJCOCCB: Cur Job Occup/2000 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code										
.M=Oth missing							26	31	29	153
.P=From previous Census cod							1965	27		7
.U=Unmarried							6777	6417	6206	7797
.V=Spouse NR							380	317	365	724
.W=Skip,not working							7202	6859	6393	7286
01.Management Occupations							507	612	528	665
02.Business Oper-ns Special							73	94	84	130
03.Financial Specialists							90	99	89	110
04.Computer+Math Occs							55	68	58	95
05.Architecture+Engineering							61	82	84	107
06.Life/Physical/SocialSci							46	60	50	64
07.Community+Social Svcs Oc							83	104	87	134
08.Legal Occups							54	59	55	75
09.Education/Training/Libra							186	316	295	434
10.Arts/Design/Entertnmt Oc							97	87	74	107
11.Hlthcare Practition/Tech							147	212	183	270
12.Healthcare Support Occs							83	100	93	154
13.Protective Service Occs							71	98	81	114
14.Food Prep+Serving Occs							86	134	125	179
15.Blding/Grounds/Clean/Mai							201	229	215	376
16.Personal Care+Service Oc							148	174	164	264
17.Sales Occups							482	532	470	608
18.Office+Admin Support Occ							479	728	621	855
19.Farm/Fish/Forestry Occup							25	31	29	41
20.Construction Trades							212	228	191	288
21.Extraction Workers							3	4	2	3
22.Install/Maint/Repair Wor							137	146	130	214
23.Production Occups							245	306	243	371
24.Transport/Material Movin							203	313	268	404
25.Military Specific Occups							5	2	5	5

Value	w11	w12	w13	w14	w15	w16
.B=Other Census code	1511	1883	3731	2967	2542	2671
.M=Oth missing	67	63	100	123	104	73
.P=From previous Census cod	10	87	98	78	73	57
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Skip,not working	6972	6332	6152	5224	5084	4677
01.Management Occupations	442	286	192	99	70	38
02.Business Oper-ns Special	79	54	26	13	6	3
03.Financial Specialists	77	64	33	21	14	10
04.Computer+Math Occs	65	43	32	22	13	4
05.Architecture+Engineering	67	49	36	23	17	8
06.Life/Physical/SocialSci	43	29	17	14	12	8
07.Community+Social Svcs Oc	96	64	41	29	23	13
08.Legal Occups	59	47	34	23	20	13
09.Education/Training/Libra	304	205	136	82	54	32
10.Arts/Design/Entertnmt Oc	65	50	36	17	13	7
11.Hlthcare Practition/Tech	194	154	97	48	40	16
12.Healthcare Support Occs	101	63	37	24	14	4
13.Protective Service Occs	71	36	22	8	9	4
14.Food Prep+Serving Occs	112	77	50	31	19	12
15.Blding/Grounds/Clean/Mai	244	165	103	58	36	21
16.Personal Care+Service Oc	153	99	64	30	22	14
17.Sales Occups	391	261	175	108	78	38
18.Office+Admin Support Occ	546	349	216	116	85	49
19.Farm/Fish/Forestry Occup	14	10	4	3	2	
20.Construction Trades	175	119	71	40	25	17
21.Extraction Workers	1					

22.Install/Maint/Repair Wor	140	106	75	39	27	12
23.Production Occups	233	150	101	56	39	22
24.Transport/Material Movin	251	166	100	62	36	17
25.Military Specific Occups	1	1				

RwJCOCCC: Cur Job Occup/2010 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.J=Web interview, missing										
.M=Oth missing										255
.P=From previous Census cod										2578
.W=Skip,not working										12970
01.Management Occs										627
02.Business+Financial Oper-										260
03.Computer+Mathematical Oc										109
04.Architecture+Engineering										92
05.Life/Physical/SocialSci										55
06.Community+Social Service										154
07.Legal Occs										82
08.Education/Training/Libra										352
09.Arts/Design/Entertainmen										124
10.Healthcare Practitioners										252
11.Healthcare Support Occs										196
12.Protective Service Occs										116
13.Food Prep+Serving Relate										201
14.Building/Grounds Cleanin										442
15.Personal Care+Service Oc										387
16.Sales+Related Occs										631
17.Office+Administrative Su										811
18.Farming/Fishing/Forestry										35
19.Construction+Extraction										328
20.Installation/Maintenance										213
21.Production Occs										375
22.Transportation+Material										381
23.Military Specific Occs										8

Value	w11	w12	w13	w14	w15	w16
.J=Web interview, missing				31	38	23
.M=Oth missing	137	118	234	239	226	173
.P=From previous Census cod	1706	1123	4	15	16	9
.W=Skip,not working	12545	11825	12032	10347	9980	9867
01.Management Occs	636	548	800	594	489	538
02.Business+Financial Oper-	272	257	403	304	274	331
03.Computer+Mathematical Oc	106	100	173	143	111	133
04.Architecture+Engineering	84	75	126	98	87	76
05.Life/Physical/SocialSci	44	48	76	60	54	52
06.Community+Social Service	152	134	224	177	159	160
07.Legal Occs	80	73	101	79	75	74
08.Education/Training/Libra	362	335	569	431	340	392
09.Arts/Design/Entertainmen	126	115	165	114	88	106
10.Healthcare Practitioners	273	261	389	274	273	251
11.Healthcare Support Occs	180	169	229	174	128	136
12.Protective Service Occs	118	103	151	124	115	118
13.Food Prep+Serving Relate	208	196	315	232	195	218
14.Building/Grounds Cleanin	438	419	583	426	360	381
15.Personal Care+Service Oc	366	353	500	419	322	386
16.Sales+Related Occs	608	549	763	573	502	477
17.Office+Administrative Su	827	761	1134	900	780	740
18.Farming/Fishing/Forestry	33	31	47	33	28	24
19.Construction+Extraction	313	289	456	280	239	254
20.Installation/Maintenance	182	172	269	201	155	147
21.Production Occs	365	315	534	377	291	311
22.Transportation+Material	388	373	627	499	395	407
23.Military Specific Occs	5	5	8	2	3	3

SwJCOCCC: Cur Job Occup/2010 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.J=Web interview, missing										
.M=Oth missing										153
.P=From previous Census cod										1816
.U=Unmarried										7797
.V=Spouse NR										724
.W=Skip,not working										7286
01.Management Occs										482
02.Business+Financial Oper-										177
03.Computer+Mathematical Oc										69
04.Architecture+Engineering										74
05.Life/Physical/SocialSci										49
06.Community+Social Service										98
07.Legal Occs										56
08.Education/Training/Libra										248
09.Arts/Design/Entertainmen										90
10.Healthcare Practitioners										152
11.Healthcare Support Occs										102
12.Protective Service Occs										68
13.Food Prep+Serving Relate										123
14.Building/Grounds Cleanin										291
15.Personal Care+Service Oc										210
16.Sales+Related Occs										462
17.Office+Administrative Su										531
18.Farming/Fishing/Forestry										29
19.Construction+Extraction										247
20.Installation/Maintenance										155
21.Production Occs										265
22.Transportation+Material										276
23.Military Specific Occs										4

Value	w11	w12	w13	w14	w15	w16
.J=Web interview, missing				19	24	11
.M=Oth missing	67	63	100	104	80	62
.P=From previous Census cod	1194	773	4	10	8	6
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Skip,not working	6972	6332	6152	5224	5084	4677
01.Management Occs	507	427	571	413	326	309
02.Business+Financial Oper-	186	175	261	199	165	184
03.Computer+Mathematical Oc	71	72	121	102	78	78
04.Architecture+Engineering	69	64	91	59	62	52
05.Life/Physical/SocialSci	37	38	55	40	34	34
06.Community+Social Service	105	92	136	103	95	84
07.Legal Occs	57	46	65	45	46	36
08.Education/Training/Libra	262	232	374	281	216	242
09.Arts/Design/Entertainmen	82	68	94	66	54	51
10.Healthcare Practitioners	167	156	237	160	154	129
11.Healthcare Support Occs	100	92	129	92	67	64
12.Protective Service Occs	77	63	90	73	64	68
13.Food Prep+Serving Relate	130	123	170	125	106	99
14.Building/Grounds Cleanin	300	261	335	234	200	197
15.Personal Care+Service Oc	193	194	259	200	157	156
16.Sales+Related Occs	424	385	499	359	302	249
17.Office+Administrative Su	520	498	676	510	420	379
18.Farming/Fishing/Forestry	26	24	35	24	20	15
19.Construction+Extraction	239	212	318	194	169	153
20.Installation/Maintenance	143	132	202	145	109	85
21.Production Occs	267	217	362	230	172	175
22.Transportation+Material	286	270	439	345	262	244
23.Military Specific Occs	3	3	4	2	3	1

How Constructed

RwJCOCC is the Respondent's occupation on the current job in Wave "w" based on the 1980 Census codes. RwJCOCCA is also the Respondent's occupation on the current job, but with the codes used only for the AHEAD cohort in Waves 2A and 3A. RwJCOCCB is the Respondent's current job occupation based on the 2000 Census occupations used beginning in Wave 7. RwJCOCCC is the Respondent's current job occupation based on the 2010 Census occupations used beginning in Wave 10.

The current job occupation is usually taken from the interview when the job was first reported. It is carried forward if the Respondent continues working at the same job and position. If the Respondent is self-employed and reports a new occupation or the Respondent changes job title and reports a new occupation, then the current interview values are used.

The occupation codes differed between the AHEAD and other cohorts in Waves 2 and 3, and the AHEAD codes are not provided for other cohorts in any wave. For AHEAD Respondents both sets of codes are given in Wave 4 only. In each wave the unavailable set of codes is set to .Q for the appropriate variables, to indicate that the information is missing for this reason. Thus, in Waves 2A and 3A, RwJCOCC is set to .Q for the AHEAD cohort, and for Waves 2H, 3H, and 4 RwJCOCCA is set to .Q for other cohorts. From Wave 5 on the AHEAD codes are not provided for any cohort, so codes have been carried forward from an earlier wave.

From Wave 7 to Wave 10, HRS uses a different set of occupation codes, based on the 2000 Census. Before Wave 7 there are 17 possible occupation codes; from Wave 7-10, there are 25 codes. RwJCOCCB begins with R7JCOCCB and provides the new code set.

HRS provided the 1980 and 2000 Census codes for Wave 7 ONLY. R7JCOCC contains the 1980 Census codes and R7JCOCCB contains the 2000 Census codes. If the occupation question is not asked in Wave 7 because the Respondent has not changed jobs or job title, then R7JCOCCB is set to .P, for occupation taken from prior wave, and R7JCOCC provides the 1980 Census-based occupation. If R7JCOCCB is provided but the Respondent did not change jobs, they may have values for both R7JCOCC and R7JCOCCB. From Wave 8, if the Respondent starts a new job, then RwJCOCC is set to .B, to indicate that the occupation code is not from the 1980 Census codes.

Beginning in Wave 10, HRS uses another different set of occupation codes, based on the 2010 Census. Before Wave 10 there are 25 possible occupation codes; beginning in Wave 10, there are 23 codes. RwJCOCCC begins with R10JCOCCC and provides the new code set.

HRS provided the 2000 and 2010 Census codes for Wave 10 ONLY. R10JCOCCB contains the 2000 Census codes and R10JCOCCC contains the 2010 Census codes. If the occupation question is not asked in Wave 10 because the Respondent has not changed jobs or job title, then R10JCOCCC is set to .P, for occupation taken from prior wave, R10JCOCCB provides the 2000 Census-based occupation, and R10JCOCC provides the 1980 Census-based occupation. If R10JCOCCC is provided but the Respondent did not change jobs, they may have values for both R10JCOCCB and R10JCOCCC. From Wave 11, if the Respondent starts a new job, then RwJCOCC and RwJCOCCB are set to .B, to indicate that the occupation code is not from the 1980 and 2000 Census codes.

If the Respondent is not working, this variable is set to a .W missing code.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJCOCC, RwJCOCCA, RwJCOCCB and RwJCOCCC.

Cross Wave Differences in Original HRS Data

Each interview obtains the Respondent's current work status. At the Respondent's first interview, questions ask the start date, industry, and occupation of their current job if they are working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date, occupation, and industry of the new one. If the Respondent reports a change in job title, then occupation and industry are asked, even if the employer is the same.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places

the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

Occupation codes for the AHEAD cohort (Waves 2A and 3A) differed from those collected from other cohorts. In Wave 4 only, both the AHEAD and HRS version of the codes are available for AHEAD Respondents, while only the HRS codes are available for other cohorts.

From Wave 1-8, the occupation codes are based on 1980 Census occupations, assigned to one of 17 categories. From Wave 7-10, they are based on 2000 Census occupations, assigned to one of 25 categories. Beginning in Wave 10, they are based on 2010 Census occupations, assigned to one of 23 categories. In Wave 7 only, we have both the 1980 and 2000 occupation codes stored in R7JCOCC and R7JCOCCB. In Wave 10 only, we have both the 2000 and 2010 occupation codes stored in R10JCOCCB and R10JCOCCC.

HRS Variables Used

```
HRS 1992:
    V2720           F5:OCC:1980 CENSUS OCC
    V2821           F27:OCC:1980 CENSUS OCC
AHEAD 1993:
    OCCG3B          G3. CURRENT OCCUPATION
HRS 1994:
    W3609           FA41b/FA42.OCCUPATION
    W4312B          FB16.OCCUPATION
AHEAD 1995:
    D2820M          GA39/42. OCCUPATION
    D3254M          GB15/16. OCCUPATION
HRS 1996:
    E2666M          G24/G25. CURRENT OCC
    E2732M          G41A/G42. OCC
HRS 1998:
    F3187AM         G25.CURRENT OCC  - AHD MASKED
    F3187HM         G25.CURRENT OCC  - HRS MASKED
    F3255AM         G42.OCC - AHD MASKED
    F3255HM         G42.OCC - HRS MASKED
HRS 2000:
    G3436M          G25.CURRENT OCC  - MASKED
    G3505M          G42.OCC - MASKED
HRS 2004:
    JJ061M_00       CURRENT WORK DONE 2000 Census- MASKED
    JJ168M_00       OCCUPATION 2000 Census- MASKED
HRS 2006:
    KJ062M          CURRENT WORK DONE - MASKED
HRS 2010:
    MJ062M_10       CURRENT WORK DONE 2010 Census- MASKED
    MJ168M_10       TYPE WORK DONE 2010 Census- MASKED
HRS 2002-2004:
    xJ061M          CURRENT WORK DONE - MASKED
HRS 2002-2022:
    xJ168M          OCCUPATION - MASKED
```

Industry code for current job

Wave	Variable	Label	Type
1	R1JCIND	R1JCIND:W1 Current Job Industry/1980 Census	Categ
2	R2JCIND	R2JCIND:W2 Current Job Industry/1980 Census	Categ
3	R3JCIND	R3JCIND:W3 Current Job Industry/1980 Census	Categ
4	R4JCIND	R4JCIND:W4 Current Job Industry/1980 Census	Categ
5	R5JCIND	R5JCIND:W5 Current Job Industry/1980 Census	Categ
6	R6JCIND	R6JCIND:W6 Current Job Industry/1980 Census	Categ
7	R7JCIND	R7JCIND:W7 Current Job Industry/1980 Census	Categ
8	R8JCIND	R8JCIND:W8 Current Job Industry/1980 Census	Categ
9	R9JCIND	R9JCIND:W9 Current Job Industry/1980 Census	Categ
10	R10JCIND	R10JCIND:W10 Current Job Industry/1980 Census	Categ
11	R11JCIND	R11JCIND:W11 Current Job Industry/1980 Census	Categ
12	R12JCIND	R12JCIND:W12 Current Job Industry/1980 Census	Categ
13	R13JCIND	R13JCIND:W13 Current Job Industry/1980 Census	Categ
14	R14JCIND	R14JCIND:W14 Current Job Industry/1980 Census	Categ
15	R15JCIND	R15JCIND:W15 Current Job Industry/1980 Census	Categ
16	R16JCIND	R16JCIND:W16 Current Job Industry/1980 Census	Categ
1	S1JCIND	S1JCIND:W1 Current Job Industry/1980 Census	Categ
2	S2JCIND	S2JCIND:W2 Current Job Industry/1980 Census	Categ
3	S3JCIND	S3JCIND:W3 Current Job Industry/1980 Census	Categ
4	S4JCIND	S4JCIND:W4 Current Job Industry/1980 Census	Categ
5	S5JCIND	S5JCIND:W5 Current Job Industry/1980 Census	Categ
6	S6JCIND	S6JCIND:W6 Current Job Industry/1980 Census	Categ
7	S7JCIND	S7JCIND:W7 Current Job Industry/1980 Census	Categ
8	S8JCIND	S8JCIND:W8 Current Job Industry/1980 Census	Categ
9	S9JCIND	S9JCIND:W9 Current Job Industry/1980 Census	Categ
10	S10JCIND	S10JCIND:W10 Current Job Industry/1980 Census	Categ
11	S11JCIND	S11JCIND:W11 Current Job Industry/1980 Census	Categ
12	S12JCIND	S12JCIND:W12 Current Job Industry/1980 Census	Categ
13	S13JCIND	S13JCIND:W13 Current Job Industry/1980 Census	Categ
14	S14JCIND	S14JCIND:W14 Current Job Industry/1980 Census	Categ
15	S15JCIND	S15JCIND:W15 Current Job Industry/1980 Census	Categ
16	S16JCIND	S16JCIND:W16 Current Job Industry/1980 Census	Categ
7	R7JCINDB	R7JCINDB:W7 Cur Job Industry/2002 Census	Categ
8	R8JCINDB	R8JCINDB:W8 Cur Job Industry/2002 Census	Categ
9	R9JCINDB	R9JCINDB:W9 Cur Job Industry/2002 Census	Categ
10	R10JCINDB	R10JCINDB:W10 Cur Job Industry/2002 Census	Categ
11	R11JCINDB	R11JCINDB:W11 Cur Job Industry/2002 Census	Categ
12	R12JCINDB	R12JCINDB:W12 Cur Job Industry/2002 Census	Categ
13	R13JCINDB	R13JCINDB:W13 Cur Job Industry/2002 Census	Categ
14	R14JCINDB	R14JCINDB:W14 Cur Job Industry/2002 Census	Categ
15	R15JCINDB	R15JCINDB:W15 Cur Job Industry/2002 Census	Categ
16	R16JCINDB	R16JCINDB:W16 Cur Job Industry/2002 Census	Categ
7	S7JCINDB	S7JCINDB:W7 Cur Job Industry/2002 Census	Categ
8	S8JCINDB	S8JCINDB:W8 Cur Job Industry/2002 Census	Categ
9	S9JCINDB	S9JCINDB:W9 Cur Job Industry/2002 Census	Categ
10	S10JCINDB	S10JCINDB:W10 Cur Job Industry/2002 Census	Categ
11	S11JCINDB	S11JCINDB:W11 Cur Job Industry/2002 Census	Categ
12	S12JCINDB	S12JCINDB:W12 Cur Job Industry/2002 Census	Categ
13	S13JCINDB	S13JCINDB:W13 Cur Job Industry/2002 Census	Categ
14	S14JCINDB	S14JCINDB:W14 Cur Job Industry/2002 Census	Categ
15	S15JCINDB	S15JCINDB:W15 Cur Job Industry/2002 Census	Categ
16	S16JCINDB	S16JCINDB:W16 Cur Job Industry/2002 Census	Categ
10	R10JCINDC	R10JCINDC:W10 Cur Job Industry/2007 Census	Categ
11	R11JCINDC	R11JCINDC:W11 Cur Job Industry/2007 Census	Categ
12	R12JCINDC	R12JCINDC:W12 Cur Job Industry/2007 Census	Categ
13	R13JCINDC	R13JCINDC:W13 Cur Job Industry/2007 Census	Categ
14	R14JCINDC	R14JCINDC:W14 Cur Job Industry/2007 Census	Categ
15	R15JCINDC	R15JCINDC:W15 Cur Job Industry/2007 Census	Categ
16	R16JCINDC	R16JCINDC:W16 Cur Job Industry/2007 Census	Categ
10	S10JCINDC	S10JCINDC:W10 Cur Job Industry/2007 Census	Categ
11	S11JCINDC	S11JCINDC:W11 Cur Job Industry/2007 Census	Categ

12	S12JCINDC	S12JCINDC:W12 Cur Job Industry/2007 Census	Categ
13	S13JCINDC	S13JCINDC:W13 Cur Job Industry/2007 Census	Categ
14	S14JCINDC	S14JCINDC:W14 Cur Job Industry/2007 Census	Categ
15	S15JCINDC	S15JCINDC:W15 Cur Job Industry/2007 Census	Categ
16	S16JCINDC	S16JCINDC:W16 Cur Job Industry/2007 Census	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JCIND	8327	7.73	3.76	1.0	13.0
R2JCIND	6995	7.83	3.74	1.0	13.0
R3JCIND	6122	7.89	3.70	1.0	13.0
R4JCIND	8019	7.98	3.66	1.0	13.0
R5JCIND	6975	8.13	3.65	1.0	13.0
R6JCIND	6028	8.19	3.64	1.0	13.0
R7JCIND	7781	8.24	3.65	1.0	13.0
R8JCIND	5021	8.32	3.66	1.0	13.0
R9JCIND	4229	8.34	3.66	1.0	13.0
R10JCIND	3251	8.46	3.64	1.0	13.0
R11JCIND	2643	8.53	3.59	1.0	13.0
R12JCIND	2037	8.53	3.61	1.0	13.0
R13JCIND	1433	8.47	3.59	1.0	13.0
R14JCIND	911	8.45	3.63	1.0	13.0
R15JCIND	702	8.49	3.58	1.0	13.0
R16JCIND	434	8.35	3.57	1.0	13.0
S1JCIND	6573	7.56	3.77	1.0	13.0
S2JCIND	5470	7.64	3.76	1.0	13.0
S3JCIND	4725	7.68	3.73	1.0	13.0
S4JCIND	5980	7.82	3.70	1.0	13.0
S5JCIND	5227	7.97	3.70	1.0	13.0
S6JCIND	4482	8.02	3.69	1.0	13.0
S7JCIND	5720	8.05	3.70	1.0	13.0
S8JCIND	3703	8.15	3.70	1.0	13.0
S9JCIND	3079	8.14	3.69	1.0	13.0
S10JCIND	2341	8.27	3.68	1.0	13.0
S11JCIND	1869	8.35	3.64	1.0	13.0
S12JCIND	1417	8.27	3.66	1.0	13.0
S13JCIND	954	8.24	3.64	1.0	13.0
S14JCIND	580	8.13	3.72	1.0	13.0
S15JCIND	423	8.18	3.64	1.0	13.0
S16JCIND	259	8.00	3.58	1.0	13.0
R7JCINDB	4811	10.78	5.12	1.0	19.0
R8JCINDB	4604	10.93	5.05	1.0	19.0
R9JCINDB	5833	11.16	4.96	1.0	19.0
R10JCINDB	8751	11.29	4.95	1.0	19.0
R11JCINDB	6005	11.35	4.90	1.0	19.0
R12JCINDB	4397	11.31	4.88	1.0	19.0
R13JCINDB	3018	11.27	4.86	1.0	19.0
R14JCINDB	1885	11.32	4.86	1.0	19.0
R15JCINDB	1405	11.30	4.89	1.0	19.0
R16JCINDB	816	11.26	4.85	1.0	19.0
S7JCINDB	3567	10.47	5.14	1.0	19.0
S8JCINDB	3426	10.61	5.07	1.0	19.0

S9JCINDB	4216	10.84	4.98	1.0	19.0
S10JCINDB	6037	10.92	4.96	1.0	19.0
S11JCINDB	4186	11.06	4.92	1.0	19.0
S12JCINDB	3017	11.01	4.89	1.0	19.0
S13JCINDB	2029	10.96	4.86	1.0	19.0
S14JCINDB	1205	10.97	4.88	1.0	19.0
S15JCINDB	851	11.05	4.88	1.0	19.0
S16JCINDB	487	10.88	4.91	1.0	19.0
R10JCINDC	6066	11.16	5.00	1.0	19.0
R11JCINDC	5939	11.27	4.96	1.0	19.0
R12JCINDC	5450	11.25	4.94	1.0	19.0
R13JCINDC	8638	11.21	4.88	1.0	19.0
R14JCINDC	6511	11.35	4.81	1.0	19.0
R15JCINDC	5463	11.41	4.78	1.0	19.0
R16JCINDC	5701	11.44	4.77	1.0	19.0
S10JCINDC	4131	10.76	5.02	1.0	19.0
S11JCINDC	4082	10.96	5.00	1.0	19.0
S12JCINDC	3675	10.91	4.98	1.0	19.0
S13JCINDC	5520	10.94	4.91	1.0	19.0
S14JCINDC	3997	11.08	4.85	1.0	19.0
S15JCINDC	3276	11.15	4.84	1.0	19.0
S16JCINDC	3079	11.12	4.79	1.0	19.0

Categorical Variable Codes

RwJCIND: Current Job Industry/1980 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code							7	1548	1614	5543
.M=Oth missing	66	844	729	422	265	55	76	86	53	270
.Q=Not asked this wv		14	19							
.W=Skip,not working	4259	11789	11121	12943	12338	12082	12265	11814	11321	12970
01.Agric/Forest/Fish	278	240	201	267	224	225	247	147	126	107
02.Mining and Constr	508	417	355	431	384	319	461	269	232	166
03.Mnfg: Non-durable	611	486	389	488	367	296	371	239	197	137
04.Mnfg: Durable	903	697	591	712	574	445	551	382	297	205
05.Transportation	570	467	399	498	418	339	462	312	261	193
06.Wholesale	320	246	250	324	263	227	299	202	176	131
07.Retail	933	811	695	939	819	731	899	539	461	357
08.Finan/Ins/RealEs	528	451	416	584	511	460	604	398	344	257
09.Busns/Repair Svc	491	440	427	588	541	450	556	342	289	225
10.Personal Service	412	369	318	438	352	327	411	206	169	147
11.Entertn/Recreatn	125	96	99	150	127	136	164	100	74	62
12.Prof/Related Svcs	2244	1948	1706	2255	2061	1807	2371	1614	1375	1097
13.Public Administration	404	327	276	345	334	266	385	271	228	167

Value	w11	w12	w13	w14	w15	w16
.B=Other Census code	5239	4768	7210	5616	4779	5278
.M=Oth missing	127	117	237	272	262	208
.Q=Not asked this wv						
.W=Skip,not working	12545	11825	12032	10347	9980	9867
01.Agric/Forest/Fish	79	58	46	35	20	12
02.Mining and Constr	131	104	72	42	35	23
03.Mnfg: Non-durable	102	92	60	36	31	19
04.Mnfg: Durable	168	132	92	60	40	26

05.Transportation	150	110	74	52	40	30
06.Wholesale	105	76	56	34	31	18
07.Retail	280	201	149	91	70	43
08.Finan/Ins/RealEs	230	167	128	81	71	47
09.Busns/Repair Svc	185	156	119	76	54	39
10.Personal Service	122	98	67	42	30	11
11.Entertn/Recreatn	52	36	26	10	10	5
12.Prof/Related Svcs	909	716	479	308	230	140
13.Public Administration	130	91	65	44	40	21

SwJCIND: Current Job Industry/1980 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code							7	1120	1144	3725
.M=Oth missing	34	561	458	268	162	33	43	53	30	161
.Q=Not asked this wv		1	6							
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
.W=Skip,not working	3293	7058	6728	7732	7341	7124	7202	6859	6393	7286
01.Agric/Forest/Fish	238	206	180	225	191	187	198	122	107	87
02.Mining and Constr	440	366	303	363	311	254	375	216	181	126
03.Mnfg: Non-durable	489	383	304	364	285	230	280	176	143	103
04.Mnfg: Durable	737	568	478	559	464	360	440	303	233	160
05.Transportation	473	377	325	373	320	265	365	247	213	151
06.Wholesale	271	205	207	263	216	174	240	159	136	106
07.Retail	737	646	550	684	593	532	647	384	321	243
08.Finan/Ins/RealEs	432	361	323	450	394	345	457	307	273	198
09.Busns/Repair Svc	384	348	336	454	406	340	412	262	218	172
10.Personal Service	299	256	207	263	221	214	251	128	105	83
11.Entertn/Recreatn	85	66	67	106	84	88	110	70	51	41
12.Prof/Related Svcs	1672	1429	1237	1613	1494	1294	1670	1134	938	749
13.Public Administration	316	259	208	263	248	199	275	195	160	122

Value	w11	w12	w13	w14	w15	w16
.B=Other Census code	3588	3202	4569	3426	2863	2827
.M=Oth missing	55	61	104	128	107	77
.Q=Not asked this wv						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Skip,not working	6972	6332	6152	5224	5084	4677
01.Agric/Forest/Fish	62	47	38	29	15	8
02.Mining and Constr	102	81	51	30	22	15
03.Mnfg: Non-durable	73	65	40	23	19	13
04.Mnfg: Durable	128	95	64	39	27	15
05.Transportation	118	89	55	41	30	23
06.Wholesale	80	64	43	28	23	10
07.Retail	188	142	97	55	43	28
08.Finan/Ins/RealEs	178	128	96	57	48	34
09.Busns/Repair Svc	138	105	77	48	33	22
10.Personal Service	69	57	36	16	7	4
11.Entertn/Recreatn	32	21	17	4	4	2
12.Prof/Related Svcs	605	455	298	180	124	72
13.Public Administration	96	68	42	30	28	13

RwJCINDB: Cur Job Industry/2002 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code										
.M=Oth missing							76	86	53	270
.P=From previous Census cod							2977	1965	10	43
.W=Skip,not working							12265	11814	11321	12970
01.Agric/Forest/Fish/Huntin							153	129	131	162
02.Mining							19	15	20	37
03.Utilities							51	47	63	89
04.Construction							361	325	311	469
05.Manufacturing (continued							532	471	617	950
06.Wholesale Trade							173	155	203	282
07.Retail Trade							446	450	560	749
08.Transport/Warehousing							183	187	248	457
09.Information							83	79	106	145
10.Finance/Insurance							212	203	257	344
11.Real Estate/Rental/Leasi							193	196	205	265
12.Prof/Scientific/Tech Svc							292	291	348	480
13.Mgmnt/Admin/Support/Wast							203	183	225	369
14.Educational Services							380	393	601	893
15.Health Care/Social Assis							643	628	871	1472
16.Arts/Entertain/Recreatio							134	117	131	182
17.Accomodations/Food Svcs							168	166	249	349
18.Other Svcs/Except PubAdm							404	395	428	641
19.PubAdmin/Active Duty Mil							181	174	259	416

Value	w11	w12	w13	w14	w15	w16
.B=Other Census code	1836	2227	5395	4442	3886	4751
.M=Oth missing	127	117	237	272	262	208
.P=From previous Census cod	41	181	230	200	190	145
.W=Skip,not working	12545	11825	12032	10347	9980	9867
01.Agric/Forest/Fish/Huntin	102	68	46	31	22	13
02.Mining	25	17	7	2	2	
03.Utilities	56	39	34	27	22	10
04.Construction	292	221	143	78	66	42
05.Manufacturing (continued	665	505	364	220	165	94
06.Wholesale Trade	188	139	88	62	48	31
07.Retail Trade	500	359	258	159	108	66
08.Transport/Warehousing	312	224	140	84	59	29
09.Information	100	74	50	31	28	19
10.Finance/Insurance	257	186	135	89	65	36
11.Real Estate/Rental/Leasi	190	137	98	66	44	22
12.Prof/Scientific/Tech Svc	341	271	190	121	102	70
13.Mgmnt/Admin/Support/Wast	225	155	103	53	38	22
14.Educational Services	674	523	371	240	166	98
15.Health Care/Social Assis	998	723	482	303	233	127
16.Arts/Entertain/Recreatio	125	83	53	29	21	11
17.Accomodations/Food Svcs	234	151	108	62	43	28
18.Other Svcs/Except PubAdm	417	305	203	132	104	65
19.PubAdmin/Active Duty Mil	304	217	145	96	69	33

SwJCINDB: Cur Job Industry/2002 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code										
.M=Oth missing							43	53	30	161
.P=From previous Census cod							2160	1397	7	29
.U=Unmarried							6777	6417	6206	7797
.V=Spouse NR							380	317	365	724
.W=Skip,not working							7202	6859	6393	7286
01.Agric/Forest/Fish/Huntin							131	111	108	128
02.Mining							17	14	17	29
03.Utilities							44	41	54	66
04.Construction							292	263	239	361
05.Manufacturing (continued							416	371	486	725
06.Wholesale Trade							134	123	161	218
07.Retail Trade							332	333	403	511
08.Transport/Warehousing							145	149	191	332
09.Information							60	63	74	98
10.Finance/Insurance							166	165	207	265
11.Real Estate/Rental/Leasi							144	141	154	194
12.Prof/Scientific/Tech Svc							222	219	260	351
13.Mgmnt/Admin/Support/Wast							144	135	163	247
14.Educational Services							283	291	429	628
15.Health Care/Social Assis							416	413	556	892
16.Arts/Entertain/Recreatio							102	89	94	125
17.Accomodations/Food Svcs							119	119	156	214
18.Other Svcs/Except PubAdm							279	265	282	381
19.PubAdmin/Active Duty Mil							121	121	182	272

Value	w11	w12	w13	w14	w15	w16
.B=Other Census code	1240	1480	3346	2682	2322	2512
.M=Oth missing	55	61	104	128	107	77
.P=From previous Census cod	31	122	148	119	113	87
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Skip,not working	6972	6332	6152	5224	5084	4677
01.Agric/Forest/Fish/Huntin	80	57	35	26	14	9
02.Mining	18	13	6	2	1	
03.Utilities	40	27	24	18	13	7
04.Construction	229	165	104	53	41	28
05.Manufacturing (continued	503	371	270	151	106	61
06.Wholesale Trade	145	106	61	41	31	17
07.Retail Trade	327	241	167	100	66	43
08.Transport/Warehousing	238	166	104	67	47	25
09.Information	65	48	30	13	12	9
10.Finance/Insurance	197	141	102	66	46	24
11.Real Estate/Rental/Leasi	141	104	77	49	26	14
12.Prof/Scientific/Tech Svc	258	198	132	78	65	41
13.Mgmnt/Admin/Support/Wast	158	108	75	36	25	12
14.Educational Services	476	358	251	156	105	62
15.Health Care/Social Assis	612	429	274	158	117	54
16.Arts/Entertain/Recreatio	80	53	34	18	12	7
17.Accomodations/Food Svcs	151	108	73	45	26	19
18.Other Svcs/Except PubAdm	259	179	119	71	51	33
19.PubAdmin/Active Duty Mil	209	145	91	57	47	22

RwJCINDC: Cur Job Industry/2007 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.J=Web interview, missing										
.M=Oth missing										270
.P=From previous Census cod										2728
.W=Skip,not working										12970
01.Agric/Forest/Fish/Huntin										140
02.Mining										25
03.Utilities										56
04.Construction										392
05.Manufacturing (continued										647
06.Wholesale Trade										187
07.Retail Trade										492
08.Transport/Warehousing										322
09.Information										93
10.Finance/Insurance										234
11.Real Estate/Rental/Leasi										206
12.Prof/Scientific/Tech Svc										375
13.Mgmnt/Admin/Support/Wast										301
14.Educational Services										491
15.Health Care/Social Assis										996
16.Arts/Entertain/Recreatio										131
17.Accomodations/Food Svcs										234
18.Other Svcs/Except PubAdm										491
19.PubAdmin/Active Duty Mil										253

Value	w11	w12	w13	w14	w15	w16
.J=Web interview, missing				34	36	25
.M=Oth missing	127	117	237	238	226	183
.P=From previous Census cod	1943	1355	5	16	18	11
.W=Skip,not working	12545	11825	12032	10347	9980	9867
01.Agric/Forest/Fish/Huntin	126	117	127	85	64	63
02.Mining	18	16	23	17	11	11
03.Utilities	43	35	73	59	51	50
04.Construction	369	332	536	338	283	317
05.Manufacturing (continued	622	574	983	710	557	584
06.Wholesale Trade	186	173	263	199	171	167
07.Retail Trade	489	464	731	557	481	465
08.Transport/Warehousing	313	284	465	359	291	305
09.Information	77	77	136	98	82	89
10.Finance/Insurance	240	208	327	244	230	240
11.Real Estate/Rental/Leasi	206	184	243	216	180	148
12.Prof/Scientific/Tech Svc	361	331	497	393	359	407
13.Mgmnt/Admin/Support/Wast	282	275	433	327	269	318
14.Educational Services	506	467	861	656	531	563
15.Health Care/Social Assis	990	926	1477	1129	958	983
16.Arts/Entertain/Recreatio	128	115	175	146	108	107
17.Accomodations/Food Svcs	257	217	380	266	217	252
18.Other Svcs/Except PubAdm	487	443	550	424	362	392
19.PubAdmin/Active Duty Mil	239	212	358	288	258	240

SwJCINDC: Cur Job Industry/2007 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.J=Web interview, missing										
.M=Oth missing										161
.P=From previous Census cod										1935
.U=Unmarried										7797
.V=Spouse NR										724
.W=Skip,not working										7286
01.Agric/Forest/Fish/Huntin										113
02.Mining										20
03.Utilities										42
04.Construction										298
05.Manufacturing (continued										482
06.Wholesale Trade										135
07.Retail Trade										341
08.Transport/Warehousing										229
09.Information										59
10.Finance/Insurance										178
11.Real Estate/Rental/Leasi										152
12.Prof/Scientific/Tech Svc										276
13.Mgmnt/Admin/Support/Wast										197
14.Educational Services										339
15.Health Care/Social Assis										582
16.Arts/Entertain/Recreatio										92
17.Accomodations/Food Svcs										149
18.Other Svcs/Except PubAdm										292
19.PubAdmin/Active Duty Mil										155

Value	w11	w12	w13	w14	w15	w16
.J=Web interview, missing				20	24	13
.M=Oth missing	55	61	104	108	83	64
.P=From previous Census cod	1375	944	3	9	10	7
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Skip,not working	6972	6332	6152	5224	5084	4677
01.Agric/Forest/Fish/Huntin	101	97	91	60	43	42
02.Mining	12	13	16	8	7	5
03.Utilities	35	29	54	47	38	31
04.Construction	282	243	380	232	198	191
05.Manufacturing (continued	462	415	663	458	353	343
06.Wholesale Trade	134	128	183	131	115	93
07.Retail Trade	323	310	475	344	273	249
08.Transport/Warehousing	239	198	303	238	186	172
09.Information	53	53	89	58	48	51
10.Finance/Insurance	174	149	214	158	149	139
11.Real Estate/Rental/Leasi	149	131	155	128	107	81
12.Prof/Scientific/Tech Svc	268	251	338	257	227	245
13.Mgmnt/Admin/Support/Wast	191	177	265	196	156	168
14.Educational Services	347	309	564	421	323	325
15.Health Care/Social Assis	589	556	844	607	510	458
16.Arts/Entertain/Recreatio	82	64	105	86	60	48
17.Accomodations/Food Svcs	175	148	216	147	122	122
18.Other Svcs/Except PubAdm	313	272	344	245	204	192
19.PubAdmin/Active Duty Mil	153	132	221	176	157	124

How Constructed

RwJCIND is the industry of the Respondent's current job in Wave 'w.' RwJCINDB is the Respondent's current job industry based on the 2002 Census industries used beginning in Wave 8. RwJCINDC is the Respondent's current job industry based on the 2007 Census industries used beginning in Wave 10.

The current job industry is usually taken from the interview when the job was first reported. It is carried forward if the Respondent continues working at the same job and position. If the Respondent is self-employed and reports a new industry, then the current interview values are used.

In Waves 2A and 3A, industry information is NOT collected for any job. So for the AHEAD Respondents, R2JCIND and R3JCIND are set to .Q, to indicate that no information is available.

From Wave 7-10, HRS begins using a different set of industry codes, based on the 2002 Census. Before Wave 7 there are 13 possible industry codes; from Wave 7-10, there are 19 codes. RwJCINDB begins with R7JCINDB and provides the new code set. In Wave 7 only, we have both sets of codes stored in R7JCIND and R7JCINDB.

If this question is not asked in Wave 7 because the Respondent has not changed jobs or job title, then R7JCINDB is set to .P, for industry taken from prior wave and R7JCIND provides the 1980 Census-based industry. If R7JCINDB is provided but the Respondent did not change jobs, they may have values for both R7JCIND and R7JCINDB. If the Respondent started a new job in Wave 7, then R7JCIND is set to .B, to indicate that the industry code for the current job is taken from Wave 7 when the HRS begins to use the 2002 Census industries, which R7JCINDB provides.

Beginning in Wave 10, HRS begins using a different set of industry codes, based on the 2007 Census. The number of industry codes remains 19. RwJCINDC begins with R10JCINDC and provides the new code set. In Wave 10 only, we have both sets of codes stored in R10JCINDB and R10JCINDC.

If this question is not asked in Wave 10 because the Respondent has not changed jobs or job title, then R10JCINDC is set to .P, for industry taken from prior wave and R10JCINDB provides the 2002 Census-based industry. If R10JCINDC is provided but the Respondent did not change jobs, they may have values for both R10JCINDB and R10JCINDC. If the Respondent started a new job in Wave 10, then R10JCIND and R10JCINDB are set to .B, to indicate that the industry code for the current job is taken from Wave 10 when the HRS begins to use the 2007 Census industries, which R10JCINDC provides.

If the Respondent is not working, this variable is set to .W.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJCIND, RwJCINDB and RwJCINDC.

Cross Wave Differences in Original HRS Data

Each interview obtains the Respondent's current work status. At the Respondent's first interview questions ask the start date, industry, and occupation of their current job if they are working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date, occupation, and industry of the new one. If the Respondent reports a change in job title, then occupation and industry are asked, even if the employer is the same. Note that in Waves 2A and 3A, industry information is NOT collected for any job.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

Before Wave 7, the industry codes are based on those used in the 1980 Census, assigned to one of 13 categories. From Wave 7-10, they are based on 2002 Census industries, assigned to one of 19 categories. Beginning in Wave 10, they are based on 2007 Census industries, assigned to one of 19 categories.

HRS Variables Used

```
HRS 1992:
    V2719           F4:IND:1980 CENSUS IND
    V2820           F26:IND:1980 CENSUS IND
```

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HRS 1994:
    W3608           FA41a.INDUSTRY
    W4312A          FB15.INDUSTRY
HRS 1996:
    E2730M          G41A/G42. IND
HRS 1998:
    F3253M          G41A.IND - MASKED
HRS 2000:
    G3503M          G41A.IND - MASKED
HRS 2004:
    JJ166M_00       WORK IN WHAT INDUSTRY 2000 Census-MASKED
HRS 2010:
    MJ166M_10       WORK IN WHAT INDUSTRY  2007 Census-MASKED
HRS 2002-2022:
    xJ166M          WORK IN WHAT INDUSTRY - MASKED
```

Respondent belongs to a Union

Wave	Variable	Label	Type
1	R1UNION	R1UNION:W1 R is covered by a union	Categ
2	R2UNION	R2UNION:W2 R is covered by a union	Categ
3	R3UNION	R3UNION:W3 R is covered by a union	Categ
4	R4UNION	R4UNION:W4 R is covered by a union	Categ
5	R5UNION	R5UNION:W5 R is covered by a union	Categ
6	R6UNION	R6UNION:W6 R is covered by a union	Categ
7	R7UNION	R7UNION:W7 R is covered by a union	Categ
8	R8UNION	R8UNION:W8 R is covered by a union	Categ
9	R9UNION	R9UNION:W9 R is covered by a union	Categ
10	R10UNION	R10UNION:W10 R is covered by a union	Categ
11	R11UNION	R11UNION:W11 R is covered by a union	Categ
12	R12UNION	R12UNION:W12 R is covered by a union	Categ
13	R13UNION	R13UNION:W13 R is covered by a union	Categ
14	R14UNION	R14UNION:W14 R is covered by a union	Categ
15	R15UNION	R15UNION:W15 R is covered by a union	Categ
16	R16UNION	R16UNION:W16 R is covered by a union	Categ
1	S1UNION	S1UNION:W1 S is covered by a union	Categ
2	S2UNION	S2UNION:W2 S is covered by a union	Categ
3	S3UNION	S3UNION:W3 S is covered by a union	Categ
4	S4UNION	S4UNION:W4 S is covered by a union	Categ
5	S5UNION	S5UNION:W5 S is covered by a union	Categ
6	S6UNION	S6UNION:W6 S is covered by a union	Categ
7	S7UNION	S7UNION:W7 S is covered by a union	Categ
8	S8UNION	S8UNION:W8 S is covered by a union	Categ
9	S9UNION	S9UNION:W9 S is covered by a union	Categ
10	S10UNION	S10UNION:W10 S is covered by a union	Categ
11	S11UNION	S11UNION:W11 S is covered by a union	Categ
12	S12UNION	S12UNION:W12 S is covered by a union	Categ
13	S13UNION	S13UNION:W13 S is covered by a union	Categ
14	S14UNION	S14UNION:W14 S is covered by a union	Categ
15	S15UNION	S15UNION:W15 S is covered by a union	Categ
16	S16UNION	S16UNION:W16 S is covered by a union	Categ
2	R2UNIONF	R2UNIONF:W2 Carried forward value from prev wave	Categ
3	R3UNIONF	R3UNIONF:W3 Carried forward value from prev wave	Categ
4	R4UNIONF	R4UNIONF:W4 Carried forward value from prev wave	Categ
5	R5UNIONF	R5UNIONF:W5 Carried forward value from prev wave	Categ
6	R6UNIONF	R6UNIONF:W6 Carried forward value from prev wave	Categ
7	R7UNIONF	R7UNIONF:W7 Carried forward value from prev wave	Categ
8	R8UNIONF	R8UNIONF:W8 Carried forward value from prev wave	Categ
9	R9UNIONF	R9UNIONF:W9 Carried forward value from prev wave	Categ
10	R10UNIONF	R10UNIONF:W10 Carried forward value from prev wave	Categ
11	R11UNIONF	R11UNIONF:W11 Carried forward value from prev wave	Categ
12	R12UNIONF	R12UNIONF:W12 Carried forward value from prev wave	Categ
13	R13UNIONF	R13UNIONF:W13 Carried forward value from prev wave	Categ
14	R14UNIONF	R14UNIONF:W14 Carried forward value from prev wave	Categ
15	R15UNIONF	R15UNIONF:W15 Carried forward value from prev wave	Categ
16	R16UNIONF	R16UNIONF:W16 Carried forward value from prev wave	Categ
2	S2UNIONF	S2UNIONF:W2 Carried forward value from prev wave	Categ
3	S3UNIONF	S3UNIONF:W3 Carried forward value from prev wave	Categ
4	S4UNIONF	S4UNIONF:W4 Carried forward value from prev wave	Categ
5	S5UNIONF	S5UNIONF:W5 Carried forward value from prev wave	Categ
6	S6UNIONF	S6UNIONF:W6 Carried forward value from prev wave	Categ
7	S7UNIONF	S7UNIONF:W7 Carried forward value from prev wave	Categ
8	S8UNIONF	S8UNIONF:W8 Carried forward value from prev wave	Categ
9	S9UNIONF	S9UNIONF:W9 Carried forward value from prev wave	Categ
10	S10UNIONF	S10UNIONF:W10 Carried forward value from prev wave	Categ
11	S11UNIONF	S11UNIONF:W11 Carried forward value from prev wave	Categ
12	S12UNIONF	S12UNIONF:W12 Carried forward value from prev wave	Categ
13	S13UNIONF	S13UNIONF:W13 Carried forward value from prev wave	Categ
14	S14UNIONF	S14UNIONF:W14 Carried forward value from prev wave	Categ
15	S15UNIONF	S15UNIONF:W15 Carried forward value from prev wave	Categ
16	S16UNIONF	S16UNIONF:W16 Carried forward value from prev wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1UNION	8340	0.21	0.41	0.0	1.0
R2UNION	7021	0.20	0.40	0.0	1.0
R3UNION	6415	0.17	0.38	0.0	1.0
R4UNION	7444	0.18	0.39	0.0	1.0
R5UNION	6556	0.17	0.38	0.0	1.0
R6UNION	6036	0.14	0.35	0.0	1.0
R7UNION	7125	0.16	0.37	0.0	1.0
R8UNION	5966	0.14	0.35	0.0	1.0
R9UNION	5200	0.14	0.35	0.0	1.0
R10UNION	7622	0.17	0.38	0.0	1.0
R11UNION	6795	0.17	0.37	0.0	1.0
R12UNION	5860	0.16	0.37	0.0	1.0
R13UNION	7397	0.17	0.38	0.0	1.0
R14UNION	5688	0.17	0.38	0.0	1.0
R15UNION	4793	0.17	0.38	0.0	1.0
R16UNION	4896	0.16	0.37	0.0	1.0
S1UNION	6571	0.21	0.40	0.0	1.0
S2UNION	5484	0.19	0.39	0.0	1.0
S3UNION	4921	0.17	0.37	0.0	1.0
S4UNION	5548	0.18	0.38	0.0	1.0
S5UNION	4885	0.17	0.38	0.0	1.0
S6UNION	4486	0.14	0.35	0.0	1.0
S7UNION	5219	0.16	0.36	0.0	1.0
S8UNION	4355	0.14	0.34	0.0	1.0
S9UNION	3756	0.14	0.34	0.0	1.0
S10UNION	5235	0.16	0.37	0.0	1.0
S11UNION	4660	0.16	0.37	0.0	1.0
S12UNION	3944	0.16	0.36	0.0	1.0
S13UNION	4715	0.16	0.37	0.0	1.0
S14UNION	3484	0.17	0.37	0.0	1.0
S15UNION	2850	0.17	0.38	0.0	1.0
S16UNION	2643	0.15	0.36	0.0	1.0
R2UNIONF	19642	0.20	0.40	0.0	1.0
R3UNIONF	17991	0.19	0.39	0.0	1.0
R4UNIONF	21384	0.17	0.37	0.0	1.0
R5UNIONF	19578	0.05	0.21	0.0	1.0
R6UNIONF	18165	0.15	0.36	0.0	1.0
R7UNIONF	20129	0.19	0.39	0.0	1.0
R8UNIONF	18469	0.15	0.36	0.0	1.0
R9UNIONF	17217	0.05	0.21	0.0	1.0
R10UNIONF	22034	0.15	0.35	0.0	1.0
R11UNIONF	20554	0.24	0.43	0.0	1.0
R12UNIONF	18747	0.23	0.42	0.0	1.0
R13UNIONF	20912	0.02	0.15	0.0	1.0
R14UNIONF	17146	0.24	0.43	0.0	1.0
R15UNIONF	15723	0.22	0.41	0.0	1.0
R16UNIONF	15787	0.16	0.36	0.0	1.0
S2UNIONF	13090	0.23	0.42	0.0	1.0
S3UNIONF	11917	0.21	0.41	0.0	1.0
S4UNIONF	13980	0.19	0.39	0.0	1.0
S5UNIONF	12730	0.06	0.23	0.0	1.0
S6UNIONF	11639	0.17	0.37	0.0	1.0
S7UNIONF	12972	0.22	0.41	0.0	1.0

S8UNIONF	11735	0.18	0.38	0.0	1.0
S9UNIONF	10646	0.06	0.24	0.0	1.0
S10UNIONF	13513	0.17	0.38	0.0	1.0
S11UNIONF	12484	0.28	0.45	0.0	1.0
S12UNIONF	11012	0.27	0.44	0.0	1.0
S13UNIONF	11779	0.03	0.17	0.0	1.0
S14UNIONF	9358	0.28	0.45	0.0	1.0
S15UNIONF	8477	0.25	0.43	0.0	1.0
S16UNIONF	7840	0.18	0.39	0.0	1.0

Categorical Variable Codes

RwUNION: R is covered by a union

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	5	10	7	12	22	6	17	13	14	22
.E=Self-employed			2	687	599		650	605	620	1139
.J=Web interview, missing										
.M=Oth missing		16	407	254	24	8	40	58	38	72
.Q=Not asked this wv		8222								
.R=RF	25	2	6	4	3	12	9		6	2
.W=Not working	4282	4371	11154	12983	12374	12103	12288	11827	11339	13177
0.No	6560	5645	5315	6081	5426	5161	5985	5112	4450	6294
1.Yes	1780	1376	1100	1363	1130	875	1140	854	750	1328

Value	w11	w12	w13	w14	w15	w16
.D=DK	13	15	41	6	21	16
.E=Self-employed	1039	917	1272	870	690	793
.J=Web interview, missing				18	25	18
.M=Oth missing	107	90	59	138	102	105
.Q=Not asked this wv						
.R=RF	3	3	12		6	7
.W=Not working	12597	11862	12131	10426	10086	9952
0.No	5652	4903	6113	4710	3966	4104
1.Yes	1143	957	1284	978	827	792

SwUNION: S is covered by a union

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	5	7	6	9	20	3	12	7	7	9
.E=Self-employed			2	508	456		499	468	457	818
.J=Web interview, missing										
.M=Oth missing		13	257	172	18	8	28	43	21	46
.Q=Not asked this wv		4549								
.R=RF	19	1	2	3	2	10	5		3	1
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	384	417	536	311	220	380	317	365	724
.W=Not working	3305	3236	6729	7740	7349	7132	7209	6862	6402	7404
0.No	5215	4449	4100	4572	4047	3865	4397	3757	3245	4377
1.Yes	1356	1035	821	976	838	621	822	598	511	858

Value	w11	w12	w13	w14	w15	w16
.D=DK	9	7	23	2	15	8
.E=Self-employed	759	663	819	544	443	435
.J=Web interview, missing				11	18	11
.M=Oth missing	67	51	38	70	50	51
.Q=Not asked this wv						
.R=RF	1	2	6		3	
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
.W=Not working	6988	6345	6178	5247	5098	4692
0.No	3916	3331	3944	2908	2367	2241
1.Yes	744	613	771	576	483	402

RwUNIONF: Carried forward value from prev wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Value not carried forward		15811	14655	17840	18640	15471	16325	15661	16396	18796
1.Value from prev wv carrie		3831	3336	3544	938	2694	3804	2808	821	3238

Value	w11	w12	w13	w14	w15	w16
0.Value not carried forward	15543	14378	20397	12952	12296	13316
1.Value from prev wv carrie	5011	4369	515	4194	3427	2471

SwUNIONF: Carried forward value from prev wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.Value not carried forward		10121	9372	11294	11991	9680	10134	9634	10013	11197
1.Value from prev wv carrie		2969	2545	2686	739	1959	2838	2101	633	2316

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Value not carried forward	9014	8054	11431	6761	6398	6416
1.Value from prev wv carrie	3470	2958	348	2597	2079	1424

How Constructed

RwUNION indicates whether the Respondent is covered by a union or employee-association contract, and RwUNIONF provides additional detail about the source of information for RwUNION. SwUNION and SwUNIONF provide the information for the Respondent's spouse or partner.

The question is the same in all waves: "Are you covered by a union or employee-association contract?" If the Respondent is not asked this question, is still working for the same employer, and has not changed job title, then their previous wave response is carried forward. These skip patterns do differ slightly across waves, so please read the Cross Wave Differences section below.

RwUNION is set to "1" if the Respondent reports being covered by a union. RwUNION is set to "0" if the Respondent is not covered by a union. RwUNION is set to .D for "Don't Know" and .R for "Refused" if the Respondent does not know or does not answer. It is set to .W if skipped because the Respondent has no current job, and set to .E if the question was skipped because the Respondent is self-employed. In the earlier waves, self-employed Respondents are asked this question, but in later waves they skip the union question. Again, please refer to the Cross Wave Differences section for a full explanation If a value has been carried forward from a previous wave, then RwUNIONF is set to "1." If the value has been obtained from the current wave then RwUNIONF=0. If the Respondent reports being self-employed in the previous wave but is not self-employed in the current wave, we do not carry forward the special missing value (.E). Instead, we set RwUNIONF=2 and RwUNION=.M (Missing).

SwUNION and SwUNIONF information is taken from the spouse's self-reported RwUNION and RwUNIONF variables, if available. If the Respondent is not married, SwUNION and SwUNIONF are set to .U=unmarried. If the Respondent's spouse did not respond, then SwUNION and SwUNIONF are set to .V=Spouse is non-response.

Because this question is not asked in Wave 2A, the variables are set to .Q.

Cross Wave Differences in Original HRS Data

The question is the same in all waves, "Are you covered by a union or employee-association contract?" In Wave 1, the question is asked of all Respondents, whether or not they are self-employed.

In Wave 2H, we carry forward the Wave 1 response for anyone who did not respond in Wave 2H, but who had the same employer as Wave 1, and whose job title did not change.

This question was not asked in Wave 2A.

From Wave 3H onward, we carry forward the previous response, once it is established that the Respondent's employer has not changed and their job title has not changed. We do not carry forward the special missing value (.Q) for when the question was not asked

in the survey.

From Wave 7 onward, Respondents that report being self-employed skip this question. But if the self-employed Respondents have answered the question in a previous wave, then we do carry the value forward. For those who are self-employed and have never been asked the question, we assign RwUNION to .E.

HRS Variables Used

```
HRS 1992:
    V2721           F7:YR STARTD THIS KN WRK
    V2819           F25:UNION CONTRACT
    V2837           F35:UNION COVERAGE
HRS 1994:
    W3458           FA19.STILL WORKING FOR W
    W3502           FA21.SAME JOB TITLE AS W
    W3709           FA62.UNION/EMPLOYEE-ASSO
    W4374           FB25.UNION/EMPLOYEE-ASSO
AHEAD 1995:
    D3286           GB25. WHETHER UNIONIZED
HRS 1996:
    E2832           G66_.BRANCHPOINT
    E2833           G66.UNION/EMPLOYEE-ASSOCIATION
HRS 1998:
    F3355           G66 BRANCHPOINT
    F3356           G66.UNION/EMPLOYEE-ASSOCIATION
HRS 2000:
    G3615           G66Y1.G66 BRANCHPOINT
    G3616           G66.UNION/EMPLOYEE-ASSOCIATION
HRS 2002-2006:
    xJ265           J265 BRANCHPOINT
HRS 2002-2022:
    xJ266           UNION/EMPLOYEE-ASSOCIATION
HRS 2008-2022:
    xJ045           STILL WORKING PREV EMPLOYER
    xJ058           SAME JOB TITLE AS PREVIOUS WAVE
```

Firm Size

Wave	Variable	Label	Type
1	R1FSIZE	R1FSIZE:W1 Size of firm or business	Cont
2	R2FSIZE	R2FSIZE:W2 Size of firm or business	Cont
3	R3FSIZE	R3FSIZE:W3 Size of firm or business	Cont
4	R4FSIZE	R4FSIZE:W4 Size of firm or business	Cont
5	R5FSIZE	R5FSIZE:W5 Size of firm or business	Cont
6	R6FSIZE	R6FSIZE:W6 Size of firm or business	Cont
7	R7FSIZE	R7FSIZE:W7 Size of firm or business	Cont
8	R8FSIZE	R8FSIZE:W8 Size of firm or business	Cont
9	R9FSIZE	R9FSIZE:W9 Size of firm or business	Cont
10	R10FSIZE	R10FSIZE:W10 Size of firm or business	Cont
11	R11FSIZE	R11FSIZE:W11 Size of firm or business	Cont
12	R12FSIZE	R12FSIZE:W12 Size of firm or business	Cont
13	R13FSIZE	R13FSIZE:W13 Size of firm or business	Cont
14	R14FSIZE	R14FSIZE:W14 Size of firm or business	Cont
15	R15FSIZE	R15FSIZE:W15 Size of firm or business	Cont
16	R16FSIZE	R16FSIZE:W16 Size of firm or business	Cont
1	S1FSIZE	S1FSIZE:W1 Size of firm or business	Cont
2	S2FSIZE	S2FSIZE:W2 Size of firm or business	Cont
3	S3FSIZE	S3FSIZE:W3 Size of firm or business	Cont
4	S4FSIZE	S4FSIZE:W4 Size of firm or business	Cont
5	S5FSIZE	S5FSIZE:W5 Size of firm or business	Cont
6	S6FSIZE	S6FSIZE:W6 Size of firm or business	Cont
7	S7FSIZE	S7FSIZE:W7 Size of firm or business	Cont
8	S8FSIZE	S8FSIZE:W8 Size of firm or business	Cont
9	S9FSIZE	S9FSIZE:W9 Size of firm or business	Cont
10	S10FSIZE	S10FSIZE:W10 Size of firm or business	Cont
11	S11FSIZE	S11FSIZE:W11 Size of firm or business	Cont
12	S12FSIZE	S12FSIZE:W12 Size of firm or business	Cont
13	S13FSIZE	S13FSIZE:W13 Size of firm or business	Cont
14	S14FSIZE	S14FSIZE:W14 Size of firm or business	Cont
15	S15FSIZE	S15FSIZE:W15 Size of firm or business	Cont
16	S16FSIZE	S16FSIZE:W16 Size of firm or business	Cont
2	R2FSIZEF	R2FSIZEF:W2 Value carried forward from previous wave	Categ
3	R3FSIZEF	R3FSIZEF:W3 Value carried forward from previous wave	Categ
4	R4FSIZEF	R4FSIZEF:W4 Value carried forward from previous wave	Categ
5	R5FSIZEF	R5FSIZEF:W5 Value carried forward from previous wave	Categ
6	R6FSIZEF	R6FSIZEF:W6 Value carried forward from previous wave	Categ
7	R7FSIZEF	R7FSIZEF:W7 Value carried forward from previous wave	Categ
8	R8FSIZEF	R8FSIZEF:W8 Value carried forward from previous wave	Categ
9	R9FSIZEF	R9FSIZEF:W9 Value carried forward from previous wave	Categ
10	R10FSIZEF	R10FSIZEF:W10 Value carried forward from previous wave	Categ
11	R11FSIZEF	R11FSIZEF:W11 Value carried forward from previous wave	Categ
12	R12FSIZEF	R12FSIZEF:W12 Value carried forward from previous wave	Categ
13	R13FSIZEF	R13FSIZEF:W13 Value carried forward from previous wave	Categ
14	R14FSIZEF	R14FSIZEF:W14 Value carried forward from previous wave	Categ
15	R15FSIZEF	R15FSIZEF:W15 Value carried forward from previous wave	Categ
16	R16FSIZEF	R16FSIZEF:W16 Value carried forward from previous wave	Categ
2	S2FSIZEF	S2FSIZEF:W2 Value carried forward from previous wave	Categ
3	S3FSIZEF	S3FSIZEF:W3 Value carried forward from previous wave	Categ
4	S4FSIZEF	S4FSIZEF:W4 Value carried forward from previous wave	Categ
5	S5FSIZEF	S5FSIZEF:W5 Value carried forward from previous wave	Categ
6	S6FSIZEF	S6FSIZEF:W6 Value carried forward from previous wave	Categ
7	S7FSIZEF	S7FSIZEF:W7 Value carried forward from previous wave	Categ
8	S8FSIZEF	S8FSIZEF:W8 Value carried forward from previous wave	Categ
9	S9FSIZEF	S9FSIZEF:W9 Value carried forward from previous wave	Categ
10	S10FSIZEF	S10FSIZEF:W10 Value carried forward from previous wave	Categ
11	S11FSIZEF	S11FSIZEF:W11 Value carried forward from previous wave	Categ
12	S12FSIZEF	S12FSIZEF:W12 Value carried forward from previous wave	Categ
13	S13FSIZEF	S13FSIZEF:W13 Value carried forward from previous wave	Categ
14	S14FSIZEF	S14FSIZEF:W14 Value carried forward from previous wave	Categ
15	S15FSIZEF	S15FSIZEF:W15 Value carried forward from previous wave	Categ
16	S16FSIZEF	S16FSIZEF:W16 Value carried forward from previous wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1FSIZE	7150	408.68	1825.14	0.0	50000.0
R2FSIZE	6143	388.57	1828.58	1.0	50000.0
R3FSIZE	5116	367.75	1647.96	1.0	50000.0
R4FSIZE	7232	449.17	6022.64	0.0	450000.0
R5FSIZE	6189	406.58	6664.61	0.0	500000.0
R6FSIZE	5081	360.19	3421.12	0.0	200000.0
R7FSIZE	6733	382.18	6275.15	0.0	500000.0
R8FSIZE	5645	320.35	3042.22	0.0	200000.0
R9FSIZE	5213	402.14	5186.36	0.0	325000.0
R10FSIZE	7940	604.20	9739.48	0.0	500000.0
R11FSIZE	7110	515.93	8933.67	0.0	700000.0
R12FSIZE	6316	821.84	20525.96	0.0	1000000.0
R13FSIZE	7992	700.92	8597.62	0.0	500000.0
R14FSIZE	6038	619.30	6208.27	0.0	300000.0
R15FSIZE	4957	828.26	18803.32	0.0	1000000.0
R16FSIZE	5163	1468.35	40159.86	0.0	2000000.0
S1FSIZE	5707	414.44	1939.12	0.0	50000.0
S2FSIZE	4851	391.22	1924.07	1.0	50000.0
S3FSIZE	3968	355.56	1709.15	1.0	50000.0
S4FSIZE	5449	456.86	6689.35	0.0	450000.0
S5FSIZE	4676	449.37	7633.21	0.0	500000.0
S6FSIZE	3817	312.95	1721.37	0.0	60000.0
S7FSIZE	5010	314.75	1597.05	0.0	60000.0
S8FSIZE	4204	344.77	3473.16	0.0	200000.0
S9FSIZE	3813	396.23	5641.20	0.0	325000.0
S10FSIZE	5542	623.18	9479.59	0.0	500000.0
S11FSIZE	4975	550.61	10562.78	0.0	700000.0
S12FSIZE	4336	761.17	19499.00	0.0	1000000.0
S13FSIZE	5171	679.20	8968.96	0.0	500000.0
S14FSIZE	3738	593.03	5955.88	0.0	300000.0
S15FSIZE	3007	482.56	2940.92	0.0	100000.0
S16FSIZE	2844	621.61	4079.58	0.0	100000.0
R2FSIZEF	19642	0.19	0.39	0.0	1.0
R3FSIZEF	17991	0.18	0.38	0.0	1.0
R4FSIZEF	21384	0.13	0.34	0.0	1.0
R5FSIZEF	19578	0.00	0.01	0.0	1.0
R6FSIZEF	18165	0.15	0.35	0.0	1.0
R7FSIZEF	20129	0.12	0.32	0.0	1.0
R8FSIZEF	18469	0.17	0.38	0.0	1.0
R9FSIZEF	17217	0.00	0.00	0.0	0.0
R10FSIZEF	22034	0.11	0.31	0.0	1.0
R11FSIZEF	20554	0.21	0.40	0.0	1.0
R12FSIZEF	18747	0.00	0.01	0.0	1.0
R13FSIZEF	20912	0.00	0.01	0.0	1.0
R14FSIZEF	17146	0.16	0.36	0.0	1.0
R15FSIZEF	15723	0.09	0.29	0.0	1.0
R16FSIZEF	15787	0.00	0.02	0.0	1.0
S2FSIZEF	13090	0.23	0.42	0.0	1.0
S3FSIZEF	11917	0.21	0.41	0.0	1.0
S4FSIZEF	13980	0.15	0.36	0.0	1.0
S5FSIZEF	12730	0.00	0.01	0.0	1.0
S6FSIZEF	11639	0.17	0.38	0.0	1.0
S7FSIZEF	12972	0.14	0.34	0.0	1.0

S8FSIZEF	11735	0.20	0.40	0.0	1.0
S9FSIZEF	10646	0.00	0.00	0.0	0.0
S10FSIZEF	13513	0.13	0.33	0.0	1.0
S11FSIZEF	12484	0.24	0.42	0.0	1.0
S12FSIZEF	11012	0.00	0.01	0.0	1.0
S13FSIZEF	11779	0.00	0.01	0.0	1.0
S14FSIZEF	9358	0.18	0.38	0.0	1.0
S15FSIZEF	8477	0.10	0.30	0.0	1.0
S16FSIZEF	7840	0.00	0.02	0.0	1.0

Categorical Variable Codes

RwFSIZEF: Value carried forward from previous wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Value not carried forward		15864	14747	18565	19576	15507	17723	15263	17217	19595
1.Value from prev wv carrie		3778	3244	2819	2	2658	2406	3206		2439

Value	w11	w12	w13	w14	w15	w16
0.Value not carried forward	16318	18746	20911	14485	14282	15779
1.Value from prev wv carrie	4236	1	1	2661	1441	8

SwFSIZEF: Value carried forward from previous wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR		584	417	536	311	220	380	317	365	724
0.Value not carried forward		10133	9432	11872	12729	9662	11200	9372	10646	11779
1.Value from prev wv carrie		2957	2485	2108	1	1977	1772	2363		1734

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Value not carried forward	9542	11011	11778	7669	7638	7838
1.Value from prev wv carrie	2942	1	1	1689	839	2

How Constructed

RwFSIZE indicates how many people work in the Respondent's place of business, and RwFSIZEF provides additional detail about the source of information for RwFSIZE. SwFSIZE and SwFSIZEF provide the information for the Respondent's spouse or partner.

The question is the same in all waves: if the Respondent is self-employed the question is, "Including yourself, how many people work in this business?" If the Respondent works for someone else the question is, "About how many employees work for this company or organization at the location where you work?" Note that we have not used the additional question "About how many employees work for this company or organization at all locations?" to code this variable. If the Respondent is not asked this question and has not changed employer then their previous wave response is carried forward. RwFSIZE is set to .D for "Don't Know" and

.R for "Refused" if the Respondent does not know or does not answer. It is set to .W if skipped because the Respondent has no current job.

If a value has been carried forward from a previous wave, then RwFSIZEF is set to "1." If the value has been obtained from the current wave then RwFSIZEF is set to "0." We do not carry forward missing values such as .D or .R. Instead, we set these cases to RwFSIZE=.M for "Missing."

SwFSIZE and SwFSIZEF information is taken from the spouse's self-reported RwFSIZE and RwFSIZEF variables, if available. If the Respondent is not married, SwFSIZE and SwFSIZEF are set to .U for "Unmarried." If the Respondent's spouse did not respond, then SwFSIZE and SwFSIZEF are set to .V for "Spouse is non-response."

Because this question is not asked in Wave 2A, the variables are set to .Q.

Cross Wave Differences in Original HRS Data

The question is the same in all waves: if the Respondent is self-employed the question is, "Including yourself, how many people work in this business?" If the Respondent works for someone else the question is, "About how many employees work for this company or organization at the location where you work?"

This question was not asked in Wave 2A.

From Wave 3H onward, we carry forward the previous response, once it is established that the Respondent's employer has not changed. We carry forward any value greater than 0. We do not carry forward any missing values.

In Wave 5 and 9 and from Wave 12 forward, Respondents working for the same employer as the previous wave do get asked the firm size question. For Wave 5 and 9, RwFSIZEF will be 0 as we do not need to carry any values forward. From Wave 12 forward, RwFSIZEF has low to no values of 1, as we very rarely need to carry any values forward.

In Wave 12 one respondent (HHIDPN=501112020) reports a firm size of 1,000,000. This respondent reports having the same employer since Wave 7 and in Wave 7, they reported a firm size of 1,000. In Wave 8, the respondent did not know the firm size so we carried forward the Wave 7 value. It is the responsibility of the researcher to decide how to handle this reported value.

Beginning in Wave 13, Respondents who work for the same business or employer as their previous interview will be asked this question every 3rd wave. From Wave 14, this results in more values being carried forward from previous waves.

HRS Variables Used

```
HRS 1992:
    V2812           F21:EMPLOYEES AT LOCAT
    V2830           F32:SELF-EMP:# OF EMPLOY
HRS 1994:
    W3458           FA19.STILL WORKING FOR W
    W3658           FA57.NUMBER EMPLOYEES AT
    W4323           FB21a.NUMBER OF EMPLOYEE
HRS 1996:
    E2629           G3_.BRANCHPOINT
    E2654           G19A.STILL WORKNG FOR PREV WAVE EMPLOYER
    E2655           G19B.STILL WORKING PREV EMPLOYER
    E2656           G19.CHECKPOINT
    E2662           G21.SAME JOB TITLE AS PREVIOUS WAVE
    E2765           G54.NUMBER OF EMPLOYEES IN BUSINESS
    E2820           G61.NUMBER EMPLOYEES AT LOCATION
    E2821           G61A.ESTIMATED NUMBER EMPLOYEES
    E2822           G62.NUMBER EMPLOYEES AT ALL LOCATIONS
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    E2824           G62A.ESTIMATED NUMBER EMPLOYEES
HRS 1998:
    F3177           G19.CHECKPOINT
    F3288           G54.NUMBER OF EMPLOYEES IN BUSINESS
    F3343           G61.NUMBER EMPLOYEES AT LOCATION
HRS 2000:
    G3432           G21.SAME JOB TITLE AS PREVIOUS WAVE
    G3548           G54.NUMBER OF EMPLOYEES IN BUSINESS
    G3603           G61.NUMBER EMPLOYEES AT LOCATION
HRS 2002-2022:
    xJ058           SAME JOB TITLE AS PREVIOUS WAVE
    xJ201           # EMPLOYEES IN BUSINESS
    xJ244           # EMPLOYEES AT LOCATION
```

Years of tenure at longest reported job

Wave	Variable	Label	Type
1	R1JLTEN	R1JLTEN:W1 Longest Job Tenure	Cont
2	R2JLTEN	R2JLTEN:W2 Longest Job Tenure	Cont
3	R3JLTEN	R3JLTEN:W3 Longest Job Tenure	Cont
4	R4JLTEN	R4JLTEN:W4 Longest Job Tenure	Cont
5	R5JLTEN	R5JLTEN:W5 Longest Job Tenure	Cont
6	R6JLTEN	R6JLTEN:W6 Longest Job Tenure	Cont
7	R7JLTEN	R7JLTEN:W7 Longest Job Tenure	Cont
8	R8JLTEN	R8JLTEN:W8 Longest Job Tenure	Cont
9	R9JLTEN	R9JLTEN:W9 Longest Job Tenure	Cont
10	R10JLTEN	R10JLTEN:W10 Longest Job Tenure	Cont
11	R11JLTEN	R11JLTEN:W11 Longest Job Tenure	Cont
12	R12JLTEN	R12JLTEN:W12 Longest Job Tenure	Cont
13	R13JLTEN	R13JLTEN:W13 Longest Job Tenure	Cont
14	R14JLTEN	R14JLTEN:W14 Longest Job Tenure	Cont
15	R15JLTEN	R15JLTEN:W15 Longest Job Tenure	Cont
16	R16JLTEN	R16JLTEN:W16 Longest Job Tenure	Cont
1	S1JLTEN	S1JLTEN:W1 Longest Job Tenure	Cont
2	S2JLTEN	S2JLTEN:W2 Longest Job Tenure	Cont
3	S3JLTEN	S3JLTEN:W3 Longest Job Tenure	Cont
4	S4JLTEN	S4JLTEN:W4 Longest Job Tenure	Cont
5	S5JLTEN	S5JLTEN:W5 Longest Job Tenure	Cont
6	S6JLTEN	S6JLTEN:W6 Longest Job Tenure	Cont
7	S7JLTEN	S7JLTEN:W7 Longest Job Tenure	Cont
8	S8JLTEN	S8JLTEN:W8 Longest Job Tenure	Cont
9	S9JLTEN	S9JLTEN:W9 Longest Job Tenure	Cont
10	S10JLTEN	S10JLTEN:W10 Longest Job Tenure	Cont
11	S11JLTEN	S11JLTEN:W11 Longest Job Tenure	Cont
12	S12JLTEN	S12JLTEN:W12 Longest Job Tenure	Cont
13	S13JLTEN	S13JLTEN:W13 Longest Job Tenure	Cont
14	S14JLTEN	S14JLTEN:W14 Longest Job Tenure	Cont
15	S15JLTEN	S15JLTEN:W15 Longest Job Tenure	Cont
16	S16JLTEN	S16JLTEN:W16 Longest Job Tenure	Cont
1	R1JLMIS	R1JLMIS:W1 Longest Job # Jobs date=miss	Cont
2	R2JLMIS	R2JLMIS:W2 Longest Job # Jobs date=miss	Cont
3	R3JLMIS	R3JLMIS:W3 Longest Job # Jobs date=miss	Cont
4	R4JLMIS	R4JLMIS:W4 Longest Job # Jobs date=miss	Cont
5	R5JLMIS	R5JLMIS:W5 Longest Job # Jobs date=miss	Cont
6	R6JLMIS	R6JLMIS:W6 Longest Job # Jobs date=miss	Cont
7	R7JLMIS	R7JLMIS:W7 Longest Job # Jobs date=miss	Cont
8	R8JLMIS	R8JLMIS:W8 Longest Job # Jobs date=miss	Cont
9	R9JLMIS	R9JLMIS:W9 Longest Job # Jobs date=miss	Cont
10	R10JLMIS	R10JLMIS:W10 Longest Job # Jobs date=miss	Cont
11	R11JLMIS	R11JLMIS:W11 Longest Job # Jobs date=miss	Cont
12	R12JLMIS	R12JLMIS:W12 Longest Job # Jobs date=miss	Cont
13	R13JLMIS	R13JLMIS:W13 Longest Job # Jobs date=miss	Cont
14	R14JLMIS	R14JLMIS:W14 Longest Job # Jobs date=miss	Cont
15	R15JLMIS	R15JLMIS:W15 Longest Job # Jobs date=miss	Cont
16	R16JLMIS	R16JLMIS:W16 Longest Job # Jobs date=miss	Cont
1	S1JLMIS	S1JLMIS:W1 Longest Job # Jobs date=miss	Cont
2	S2JLMIS	S2JLMIS:W2 Longest Job # Jobs date=miss	Cont
3	S3JLMIS	S3JLMIS:W3 Longest Job # Jobs date=miss	Cont
4	S4JLMIS	S4JLMIS:W4 Longest Job # Jobs date=miss	Cont
5	S5JLMIS	S5JLMIS:W5 Longest Job # Jobs date=miss	Cont
6	S6JLMIS	S6JLMIS:W6 Longest Job # Jobs date=miss	Cont
7	S7JLMIS	S7JLMIS:W7 Longest Job # Jobs date=miss	Cont
8	S8JLMIS	S8JLMIS:W8 Longest Job # Jobs date=miss	Cont
9	S9JLMIS	S9JLMIS:W9 Longest Job # Jobs date=miss	Cont
10	S10JLMIS	S10JLMIS:W10 Longest Job # Jobs date=miss	Cont
11	S11JLMIS	S11JLMIS:W11 Longest Job # Jobs date=miss	Cont
12	S12JLMIS	S12JLMIS:W12 Longest Job # Jobs date=miss	Cont
13	S13JLMIS	S13JLMIS:W13 Longest Job # Jobs date=miss	Cont
14	S14JLMIS	S14JLMIS:W14 Longest Job # Jobs date=miss	Cont
15	S15JLMIS	S15JLMIS:W15 Longest Job # Jobs date=miss	Cont

16	S16JLMIS	S16JLMIS:W16 Longest Job # Jobs date=miss	Cont
1	R1JLTENF	R1JLTENF:W1 Long Job Tenure/fill in flag	Categ
2	R2JLTENF	R2JLTENF:W2 Long Job Tenure/fill in flag	Categ
3	R3JLTENF	R3JLTENF:W3 Long Job Tenure/fill in flag	Categ
4	R4JLTENF	R4JLTENF:W4 Long Job Tenure/fill in flag	Categ
5	R5JLTENF	R5JLTENF:W5 Long Job Tenure/fill in flag	Categ
6	R6JLTENF	R6JLTENF:W6 Long Job Tenure/fill in flag	Categ
7	R7JLTENF	R7JLTENF:W7 Long Job Tenure/fill in flag	Categ
8	R8JLTENF	R8JLTENF:W8 Long Job Tenure/fill in flag	Categ
9	R9JLTENF	R9JLTENF:W9 Long Job Tenure/fill in flag	Categ
10	R10JLTENF	R10JLTENF:W10 Long Job Tenure/fill in flag	Categ
11	R11JLTENF	R11JLTENF:W11 Long Job Tenure/fill in flag	Categ
12	R12JLTENF	R12JLTENF:W12 Long Job Tenure/fill in flag	Categ
13	R13JLTENF	R13JLTENF:W13 Long Job Tenure/fill in flag	Categ
14	R14JLTENF	R14JLTENF:W14 Long Job Tenure/fill in flag	Categ
15	R15JLTENF	R15JLTENF:W15 Long Job Tenure/fill in flag	Categ
16	R16JLTENF	R16JLTENF:W16 Long Job Tenure/fill in flag	Categ
1	S1JLTENF	S1JLTENF:W1 Long Job Tenure/fill in flag	Categ
2	S2JLTENF	S2JLTENF:W2 Long Job Tenure/fill in flag	Categ
3	S3JLTENF	S3JLTENF:W3 Long Job Tenure/fill in flag	Categ
4	S4JLTENF	S4JLTENF:W4 Long Job Tenure/fill in flag	Categ
5	S5JLTENF	S5JLTENF:W5 Long Job Tenure/fill in flag	Categ
6	S6JLTENF	S6JLTENF:W6 Long Job Tenure/fill in flag	Categ
7	S7JLTENF	S7JLTENF:W7 Long Job Tenure/fill in flag	Categ
8	S8JLTENF	S8JLTENF:W8 Long Job Tenure/fill in flag	Categ
9	S9JLTENF	S9JLTENF:W9 Long Job Tenure/fill in flag	Categ
10	S10JLTENF	S10JLTENF:W10 Long Job Tenure/fill in flag	Categ
11	S11JLTENF	S11JLTENF:W11 Long Job Tenure/fill in flag	Categ
12	S12JLTENF	S12JLTENF:W12 Long Job Tenure/fill in flag	Categ
13	S13JLTENF	S13JLTENF:W13 Long Job Tenure/fill in flag	Categ
14	S14JLTENF	S14JLTENF:W14 Long Job Tenure/fill in flag	Categ
15	S15JLTENF	S15JLTENF:W15 Long Job Tenure/fill in flag	Categ
16	S16JLTENF	S16JLTENF:W16 Long Job Tenure/fill in flag	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JLTEN	11591	16.51	10.38	0.0	60.0
R2JLTEN	16159	19.98	11.82	0.0	70.8
R3JLTEN	14985	20.15	11.84	0.0	72.5
R4JLTEN	18256	19.71	11.82	0.0	72.5
R5JLTEN	16863	19.85	11.83	0.0	73.0
R6JLTEN	15829	20.04	11.83	0.0	75.0
R7JLTEN	17936	19.00	11.60	0.0	75.0
R8JLTEN	16596	19.27	11.62	0.0	75.0
R9JLTEN	15595	19.35	11.52	0.0	75.0
R10JLTEN	19926	17.98	11.31	0.0	71.0
R11JLTEN	18867	18.10	11.33	0.0	72.2
R12JLTEN	17322	18.22	11.30	0.0	71.8
R13JLTEN	19304	17.20	11.13	0.0	71.6
R14JLTEN	15958	17.44	11.14	0.0	71.6
R15JLTEN	14753	17.75	11.17	0.0	69.3
R16JLTEN	14626	17.38	11.18	0.0	66.7
S1JLTEN	9129	16.85	10.46	0.0	60.0
S2JLTEN	11340	19.95	11.77	0.0	70.0
S3JLTEN	10421	20.24	11.84	0.0	70.5
S4JLTEN	12453	19.77	11.81	0.0	72.5
S5JLTEN	11442	19.98	11.82	0.0	73.0
S6JLTEN	10553	20.26	11.87	0.0	75.0

S7JLTEN	11974	19.21	11.63	0.0	75.0
S8JLTEN	10903	19.45	11.64	0.0	69.6
S9JLTEN	9960	19.65	11.57	0.0	70.7
S10JLTEN	12549	18.28	11.32	0.0	71.0
S11JLTEN	11726	18.42	11.32	0.0	72.2
S12JLTEN	10386	18.55	11.28	0.0	71.8
S13JLTEN	11081	17.57	11.12	0.0	69.6
S14JLTEN	8841	17.90	11.12	0.0	66.7
S15JLTEN	8066	18.23	11.17	0.0	67.5
S16JLTEN	7412	18.02	11.12	0.0	66.7
R1JLMIS	12652	0.07	0.27	0.0	3.0
R2JLMIS	19642	0.27	0.48	0.0	3.0
R3JLMIS	17991	0.29	0.51	0.0	4.0
R4JLMIS	21384	0.30	0.52	0.0	5.0
R5JLMIS	19578	0.30	0.53	0.0	6.0
R6JLMIS	18165	0.30	0.55	0.0	7.0
R7JLMIS	20129	0.25	0.53	0.0	7.0
R8JLMIS	18469	0.25	0.55	0.0	8.0
R9JLMIS	17217	0.24	0.57	0.0	9.0
R10JLMIS	22034	0.18	0.51	0.0	10.0
R11JLMIS	20554	0.18	0.53	0.0	11.0
R12JLMIS	18747	0.18	0.55	0.0	11.0
R13JLMIS	20912	0.16	0.54	0.0	11.0
R14JLMIS	17146	0.16	0.56	0.0	12.0
R15JLMIS	15723	0.18	0.59	0.0	13.0
R16JLMIS	15787	0.17	0.58	0.0	14.0
S1JLMIS	9900	0.07	0.26	0.0	3.0
S2JLMIS	13090	0.24	0.47	0.0	3.0
S3JLMIS	11917	0.25	0.49	0.0	4.0
S4JLMIS	13980	0.25	0.50	0.0	5.0
S5JLMIS	12730	0.25	0.51	0.0	6.0
S6JLMIS	11639	0.24	0.52	0.0	7.0
S7JLMIS	12972	0.20	0.51	0.0	7.0
S8JLMIS	11735	0.20	0.52	0.0	8.0
S9JLMIS	10646	0.20	0.54	0.0	9.0
S10JLMIS	13513	0.14	0.48	0.0	10.0
S11JLMIS	12484	0.15	0.50	0.0	11.0
S12JLMIS	11012	0.15	0.53	0.0	11.0
S13JLMIS	11779	0.13	0.51	0.0	11.0
S14JLMIS	9358	0.14	0.52	0.0	12.0
S15JLMIS	8477	0.15	0.54	0.0	9.0
S16JLMIS	7840	0.15	0.54	0.0	10.0
R1JLTENF	107	0.46	0.83	0.0	2.0
R2JLTENF	8222	0.57	0.66	0.0	2.0
R3JLTENF	17991	0.22	0.51	0.0	2.0
R4JLTENF	21384	0.15	0.45	0.0	2.0
R5JLTENF	19578	0.14	0.43	0.0	2.0
R6JLTENF	18165	0.12	0.41	0.0	2.0
R7JLTENF	20129	0.09	0.36	0.0	2.0
R8JLTENF	18469	0.07	0.33	0.0	2.0
R9JLTENF	17217	0.06	0.30	0.0	2.0
R10JLTENF	22034	0.03	0.22	0.0	2.0
R11JLTENF	20554	0.03	0.20	0.0	2.0
R12JLTENF	18747	0.02	0.17	0.0	2.0
R13JLTENF	20912	0.01	0.12	0.0	2.0
R14JLTENF	17146	0.01	0.10	0.0	2.0

R15JLTENF	15723	0.00	0.07	0.0	2.0
R16JLTENF	15787	0.00	0.05	0.0	2.0
S1JLTENF	106	0.46	0.83	0.0	2.0
S2JLTENF	4349	0.61	0.69	0.0	2.0
S3JLTENF	11917	0.18	0.48	0.0	2.0
S4JLTENF	13980	0.12	0.41	0.0	2.0
S5JLTENF	12730	0.10	0.38	0.0	2.0
S6JLTENF	11639	0.08	0.35	0.0	2.0
S7JLTENF	12972	0.05	0.28	0.0	2.0
S8JLTENF	11735	0.04	0.24	0.0	2.0
S9JLTENF	10646	0.03	0.21	0.0	2.0
S10JLTENF	13513	0.01	0.14	0.0	2.0
S11JLTENF	12484	0.01	0.11	0.0	2.0
S12JLTENF	11012	0.00	0.08	0.0	2.0
S13JLTENF	11779	0.00	0.06	0.0	2.0
S14JLTENF	9358	0.00	0.04	0.0	2.0
S15JLTENF	8477	0.00	0.01	0.0	1.0
S16JLTENF	7840	0.00	0.02	0.0	2.0

Categorical Variable Codes

RwJLTENF: Long Job Tenure/fill in flag

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	12545									
.Q=Not needed this wv		11420								
0.No w2a info used	81	4278	14775	18887	17531	16507	18816	17480	16450	21526
1.Used b1235,tenure missing	3	3166	2437	1710	1379	1079	840	619	467	303
2.Used b1235,took max	23	778	779	787	668	579	473	370	300	205

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing						
.Q=Not needed this wv						
0.No w2a info used	20182	18495	20768	17075	15686	15769
1.Used b1235,tenure missing	220	155	84	41	20	12
2.Used b1235,took max	152	97	60	30	17	6

SwJLTENF: Long Job Tenure/fill in flag

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	9794									
.Q=Not needed this wv		9125								
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	200	417	536	311	220	380	317	365	724
0.No w2a info used	80	2214	10235	12793	11845	10989	12494	11427	10442	13400
1.Used b1235,tenure missing	3	1626	1192	736	537	376	279	180	118	61
2.Used b1235,took max	23	509	490	451	348	274	199	128	86	52

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing						
.Q=Not needed this wv						
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No w2a info used	12412	10978	11761	9352	8476	7839
1.Used b1235,tenure missing	44	22	10	3	1	
2.Used b1235,took max	28	12	8	3		1

How Constructed

RwJLTEN is the Respondent's years of tenure on the longest-held job reported as of Wave 'w'. RwJLMIS counts the number of jobs that are examined in the derivation where the tenure cannot be determined because of missing dates.

SwJLTEN and SwJLMIS provide this information for the Respondent's spouse or partner.

The years of tenure at the longest reported job is derived using all reported jobs. Reported jobs include those at which a Respondent is working at any interview and those reported in the retrospective job history.

Except for the AHEAD entry cohort, a Respondent is asked about past jobs retrospectively at their first interview. If the Respondent is not working, information about the last job is collected. Whether working or not, questions are asked about up to three additional jobs lasting five or more years. These job history questions were not asked in Waves 2A or 3A. For those in the AHEAD entry cohort, job history information was collected at Wave 4.

Longest job tenure is determined by comparing the tenures derived from jobs given in the retrospective job history, current job tenures from current and previous interviews, and tenure on any job that ended between interviews up to the current, to determine the longest non-missing tenure. In Waves 2A and 3A, jobs reported in job history were collected in Wave 4, so their dates are compared to interview dates to determine whether or how long they lasted before the 2A or 3A interview.

In Wave 2A there is a question asked of some Respondents about the total years at the longest held job. If, after processing the current job and job history, R2JLTEN is less than the answer to this direct question, the direct question is used to set R2JLTEN, and the occupation associated with this job is used for R2JLOCCA. J2JLTENF is set to indicate if this replacement was done.

Since tenure at the longest-held job based on job history can not be modified using Wave 2A data, RwJLTENF is set to .Q for all Respondents who are not part of the AHEAD entry cohort to indicate that it is inapplicable for those cases.

RwJLMIS is a count of reported jobs that are missing dates; it does not count jobs for which dates are never asked. For example, if the Respondent reports having 7 jobs lasting 5 or more years in job history questions, no information will be asked about at least 4 of those jobs, because questions ask about at most 3 job start and stop dates. These 4 jobs will be missing job dates but are not counted in RwJLMIS. RwJLMIS counts only those jobs about which the Respondent is asked but failed to provide start or stop date information. Please see also 'Job History Status' later in this section.

Job start and stop dates are reported as month and year or just year. If the month is missing or not asked, July is used as the month. To help fill in job stop dates, the months and years given for retirement, disability, unemployment, and temporary layoff are also examined. These dates are asked when the Respondent reports the applicable employment status. If any reported job year is before the Respondent turned age 15, then it is set to the year the Respondent turned 15 instead.

The spouse variable is taken from the wave "w" spouse's self-report, e.g., S3JLTEN is taken from the Wave 3 spouse's R3JLTEN.

Cross Wave Differences in Original HRS Data

Questions at each interview ask the Respondent's current work status and job change information. Generally at a Respondent's first interview, information about past jobs is obtained. The types of information, question wording, and general structure of questions on job transitions and history are similar across waves but some of the details vary. For the AHEAD entry cohort, the complete set of job history questions are not asked in Waves 2A and 3A, but are asked for the first time at Wave 4.

At the Respondent's first interview, or Wave 4 for the AHEAD entry cohort, questions are asked about past jobs. If the Respondent is not working, then information is gathered about their last job, if there is one. If the last job ended more than 20 years ago, the amount of information gathered is very limited. Otherwise, questions ask about the starting date, occupation, and industry of the last job. Whether the Respondent is working or not, questions also ask about jobs held 5 or more years, besides the current or last job. If the Respondent has at least one other past job held 5 or more years, the start and stop months, occupation, and industry are collected for the most recent one. If there is more than one 5-year job, then a question asks:

"Besides the jobs you have already told me about, have you worked for any other employer where you were included in a pension or retirement plan, or in a tax-deferred savings plan of some sort?"

If the Respondent answers yes, then the start and stop years of up to two of these jobs are obtained, but industry and occupation are not asked. Altogether the retrospective job history can provide information on up to 3 jobs and a last job, if the Respondent is unemployed. The 3 jobs will only include the most recent past job that lasted at least 5 years, and 2 more that offered pension or retirement plans.

In Wave 2A, if the Respondent is not working but has worked during the last two years, information about that last job is collected, including start and stop dates and occupation. Industry of the last job is not available. In addition, most people are asked if they ever worked for ten or more years. If so they are then asked if they worked for one employer for ten or more years, and if so, the occupation and number of years at the longest held job are collected. If not, another question asks the total years worked for pay.

Each interview obtains the Respondent's current work status. At the Respondent's first interview questions ask the start date, industry, and occupation of their current job if they are working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date, occupation, and industry of the new one. If the Respondent reports a change in job title, then occupation and industry are asked, even if the employer is the same. Note that in Waves 2A and 3A, industry information is NOT collected for any job.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

HRS Variables Used

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HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V12718          F3:WHO WORK FOR     :IND
    V2708           F1a:MONTH UNEMPLOYED
    V2711           F1c:LAST WRK THIS JOB-MO
    V2712           F1c:LAST WRK THIS JOB-YR
    V2713           F1d:MO BECAME DISABLED
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    V2714           F1d:YR BECAME DISABLED
    V2715           F1e:MONTH RETIRED
    V2716           F1e:YEAR RETIRED
    V2717           F2:ANY WRK FOR PAY  :IMP
    V2718           F3:WHO WORK FOR     :IMP
    V2816           F23:YR STARTED FOR EMPLR
    V2834           F33:YR STRT THIS BUSINES
    V3402           G1A:MO LST WRK W/PAY
    V3403           G1A:YR LST WRK W/PAY
    V3418           G13:YR STRT WRK JOB
    V3442           G25:R/SE:YR  STRT @ BUS.
    V3604           H4:WHN STRT WRKNG JOB-YR
    V3607           H7:YEAR STP WRKNG AT JB
    V3704           H25:1ST:YR STRTD THERE
    V3705           H26:1ST:YR LEFT THERE
    V3804           H25:NXT:YR STRTD THERE
    V3805           H26:NXT:YR LEFT THERE
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1175           G1a. WORK LAST 2 YRS?
    B1178           G2. CURRENTLY SELF EMPLOYED
    B1182           G4. CURRENT WORK START YEAR
    B1183           G4. CURRENT WORK START YEARS AGO
    B1184           G4. CURRENT WORK START AT AGE
    B1207           G11. JOB LAST 2 YEARS: END MONTH
    B1208           G11. JOB LAST 2 YEARS: END YEAR
    B1221           G14. JOB LAST 2 YRS START YEAR
    B1222           G14. JOB LAST 2 YRS START YEARS AGO
    B1223           G14. JOB LAST 2 YRS START AT AGE
    B1232           G20. EVER WORK 10/+ YRS?
    B1235           G22. 10/+ YRS ONE EMP: # YEARS
HRS 1994:
    W3307           FA1a.UNEMPLOYED-MONTH
    W3308           FA1b.UNEMPLOYED-YEAR
    W3310           FA1d.LAST WORKED ON JOB-
    W3311           FA1e.LAST WORKED ON JOB-
    W3312           FA1f.DISABLED-MONTH
    W3313           FA1f.DISABLED-YEAR
    W3314           FA1h.RETIRED-MONTH
    W3315           FA1h.RETIRED-YEAR
    W3316           FA2.WORKING FOR PAY
    W3317           FA3.WORK FOR SOMEONE ELS
    W3318           FA5.STOPPED WORKING FOR
    W3319           FA5.STOPPED WORKING FOR
    W3458           FA19.STILL WORKING FOR W
    W3503           FA26.STOPPED WORKING FOR
    W3504           FA26.STOPPED WORKING FOR
    W3662           FA59.START WORK FOR EMPL
    W3663           FA59.START WORK FOR EMPL
    W4200           FB2.STOPPED WORK FOR EMP
    W4201           FB2a.STOPPED WORK FOR EM
    W4327           FB22.STARTED S-E WORK-MO
    W4328           FB22a.STARTED S-E WORK-Y
    W4800           FC2.MONTH STOPPED SELF-E
    W4801           FC2a.YEAR STOPPED SELF-E
    W4897           FC16.MONTH STOPPED WORK
    W4898           FC16a.YEAR STOPPED WORK
    W7002           G1a.LAST WORKED-YEAR
    W7003           G1a.LAST WORKED-YEARS AG
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    W7004           G1a.LAST WORKED-MONTH
    W7018           G13.START WORK-YEAR
    W7019           G13.START WORK-YEARS AGO
    W7020           G13.START WORK-AGE
    W7103           H4.START WORK-YEAR
    W7104           H4.START WORK-YEARS AGO
    W7105           H4.START WORK-AGE
    W7108           H7.LEFT EMPLOYER-YEAR
    W7109           H7.LEFT EMPLOYER-YEARS A
    W7110           H7.LEFT EMPLOYER-AGE
    W7162           EMP1. H25.START WORK-YEA
    W7163           EMP1. H26.LEFT EMPLOYER-
    W7196           EMP2. H25.START WORK-YEA
    W7197           EMP2. H26.LEFT EMPLOYER-
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2627           GA1A. WHEN BECAME UNEMPLOYED
    D2628           GA1B. YEAR BECAME UNEMPLOYED
    D2633           GA1D. MONTH LAST WORKED - TEMPORARY
    D2634           GA1E. YEAR LAST WORKED - TEMPORARY
    D2638           GA1F. MONTH DISABLED
    D2639           GA1G. YEAR DISABLED
    D2643           GA1J.YEAR RETIRED
    D2644           GA1J.MONTH RETIRED
    D2651           GA2.WORKING ANY CURRENT
    D2653           GA3. SELF/OTHER EMPLOYED
    D2654           GA5. MONTH STOPPED SELF-EMPL
    D2655           GA5A. YEAR STOPPED SELF-EMPL
    D2747           GA19. STILL WORKING SAME EMPLOYER
    D2759           GA26. MONTH STOPPED WORKING WAVE I EMPLO
    D2760           GA26A. YEAR STOPPED WORKING WAVE I EMPLO
    D2831           GA43. MONTH STARTED CURRENT WORK
    D2832           GA43A. YEAR STARTED CURRENT WORK
    D3188           GB2. MONTH STOPPED SELF-EMPL
    D3189           GB2A. YEAR STOPPED SELF-EMPL
    D3545           GC2. MONTH STOPPED SELF-EMPL
    D3546           GC2A. YEAR STOPPED SELF-EMPL
    D3639           GC16. MONTH STOPPED WORKING WAVE I EMPLO
    D3640           GC16A. YEAR STOPPED WORKING WAVE I EMPLO
HRS 1996:
    E2612           G1A.UNEMPLOYED-MONTH
    E2613           G1B.UNEMPLOYED-YEAR
    E2616           G1D.LAST WORKED ON JOB-MONTH
    E2617           G1E.LAST WORKED ON JOB-YEAR
    E2619           G1F.DISABLED-MONTH
    E2620           G1G.DISABLED-YEAR
    E2622           G1H.RETIRED-MONTH
    E2623           G1J.RETIRED-YEAR
    E2627           G2.WORKING FOR PAY
    E2628           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    E2630           G5.STOPPED WORKING FOR SELF-MONTH
    E2631           G5A.STOPPED WORKING FOR SELF-YEAR
    E2654           G19A.STILL WORKNG FOR PREV WAVE EMPLOYER
    E2655           G19B.STILL WORKING PREV EMPLOYER
    E2667           G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
    E2668           G26A.STOP WORKING FOR PREV WAVE EMPLOYER
    E2825           G63.START WORK FOR EMPLOYER-MONTH
```

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    E2826           G63A.START WORK FOR EMPLOYER-YEAR
    E3127           GG1A.LAST WORKED-YEAR
    E3128           GG1A.LAST WORKED-YEARS AGO
    E3129           GG1A.LAST WORKED-MONTH
    E3146           GG13.START WORK-YEAR
    E3147           GG13.START WORK-YEARS AGO
    E3148           GG13.START WORK-AGE
    E3329           GH4.START WORK-YEAR
    E3330           GH4.START WORK-YEARS AGO
    E3331           GH4.START WORK-AGE
    E3337           GH7.LEFT EMPLOYER-YEAR
    E3338           GH7.LEFT EMPLOYER-YEARS AGO
    E3339           GH7.LEFT EMPLOYER-AGE
HRS 1998:
    F3116           G1A.UNEMPLOYED-MONTH
    F3117           G1B.UNEMPLOYED-YEAR
    F3120           G1D.LAST WORKED ON JOB-MONTH
    F3121           G1E.LAST WORKED ON JOB-YEAR
    F3123           G1F.DISABLED-MONTH
    F3124           G1G.DISABLED-YEAR
    F3126           G1H.RETIRED-MONTH
    F3127           G1J.RETIRED-YEAR
    F3131           G2.WORKING FOR PAY
    F3132           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    F3134           G5.STOPPED WORKING FOR SELF-MONTH
    F3135           G5A.STOPPED WORKING FOR SELF-YEAR
    F3158           G19A.STILL WORKING FOR PREV WAVE EMPLOYE
    F3166           G19B.STILL WORKING PREV EMPLOYER
    F3188           G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
    F3189           G26A.STOP WORKING FOR PREV WAVE EMPLOYER
    F3348           G63.START WORK FOR EMPLOYER-MONTH
    F3349           G63A.START WORK FOR EMPLOYER-YEAR
    F3644           GG1A1.LAST WORKED WHEN-YEAR
    F3645           GG1A2.LAST WORKED WHEN-YEARS AGO
    F3647           GG1A.LAST WORKED-MONTH
    F3664           GG13.START WORK-YEAR
    F3665           GG13.START WORK-YEARS AGO
    F3666           GG13.START WORK-AGE
    F3834           GH4.START WORK-YEAR
    F3835           GH4.START WORK-YEARS AGO
    F3836           GH4.START WORK-AGE
    F3842           GH7.LEFT EMPLOYER-YEAR
    F3843           GH7.LEFT EMPLOYER-YEARS AGO
    F3844           GH7.LEFT EMPLOYER-AGE
    F3903_1         GH25.START WORK FOR EMPLOYER-YEAR
    F3903_2         GH25.START WORK FOR EMPLOYER-YEAR
    F3904_1         GH26.LEFT EMPLOYER-YEAR
    F3904_2         GH26.LEFT EMPLOYER-YEAR
HRS 2000:
    G3366           G1A.UNEMPLOYED-MONTH
    G3367           G1B.UNEMPLOYED-YEAR
    G3370           G1D.LAST WORKED ON JOB-MONTH
    G3371           G1E.LAST WORKED ON JOB-YEAR
    G3373           G1F.DISABLED-MONTH
    G3374           G1G.DISABLED-YEAR
    G3376           G1H.RETIRED-MONTH
    G3377           G1J.RETIRED-YEAR
    G3381           G2.WORKING FOR PAY
    G3382           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
```

	G3384	G5.STOPPED WORKING FOR SELF-MONTH
	G3385	G5A.STOPPED WORKING FOR SELF-YEAR
	G3416	G19B.STILL WORKING PREV EMPLOYER
	G3437	G26.STOP WORK PREV WAVE EMPLYR-MO
	G3438	G26A.STOP WORK PREV WAVE EMPLYR-YR
	G3607	G63.START WORK FOR EMPLOYER-MONTH
	G3608	G63A.START WORK FOR EMPLOYER-YEAR
	G3954	GG1A1.LAST WORKED WHEN-YEAR
	G3955	GG1A2.LAST WORKED WHEN-YEARS AGO
	G3957	GG1A.LAST WORKED-MONTH
	G3974	GG13.START WORK-YEAR
	G3975	GG13Y1. START WORK-YEARS AGO
	G3976	GG13Y2. START WORK-AGE
	G4096	GH4.START WORK-YEAR
	G4097	GH4Y1. START WORK-YEARS AGO
	G4098	GH4Y2. START WORK-AGE
	G4105	GH7Y1. LEFT EMPLOYER-YEARS AGO
	G4106	GH7Y2. LEFT EMPLOYER-AGE
	G4176_1	GH25.START WORK FOR EMPLOYER-YEAR
	G4176_2	GH25.START WORK FOR EMPLOYER-YEAR
	G4177_1	GH26.LEFT EMPLOYER-YEAR
	G4177_2	GH26.LEFT EMPLOYER-YEAR
HRS 2002:		
	HK002	LAST WRKED WHEN-YR
	HK003	LAST WRKED WHEN-YRS AGO
	HK018	START WRK-YR
	HK019	START WRK-YRS AGO
	HK020	START WRK- AT AGE
	HL078_1	START WRK FOR EMP- INC PENSION- YR- 1
	HL078_2	START WRK FOR EMP- INC PENSION- YR- 2
	HL079_1	LEFT EMPLOYER- INCLUDE PENSION- YR- 1
	HL079_2	LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2002-2014:		
	xK004	LAST WRKED-MO
	xL009	START WRK-YR
	xL010	START WORK-YRS AGO
	xL011	START WORK- AT AGE
	xL017	LEFT EMPLOYER-YRS AGO
	xL018	LEFT EMPLOYER- AT AGE
HRS 2002-2022:		
	xJ007	MO UNEMPLOYED
	xJ008	YR UNEMPLOYED
	xJ011	MO LAST WORKED - LAID OFF
	xJ012	YR LAST WORKED - LAID OFF
	xJ014	DISABLED-MO
	xJ015	DISABLED- YR
	xJ017	RETIRED-MO
	xJ018	RETIRED-YR
	xJ020	WORKING FOR PAY
	xJ021	WORK FOR SOMEONE ELSE/SLF-EMPLOYED
	xJ023	STOPPED WORKING FOR SLF-MO
	xJ024	STOPPED WORKING FOR SLF- YR
	xJ045	STILL WORKING PREV EMPLOYER
	xJ063	STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
	xJ064	STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
	xJ248	MO-START WORK FOR CURRENT EMPLOYER
	xJ249	YR-START WORK FOR CURRENT EMPLOYER
HRS 2004-2014:		
	xK005	LAST WRKED WHEN-YRS AGO

xK006	LAST WRKED-MO
xK022	START WRK-YR
xK023	START WRK-YRS AGO
xK024	START WRK- AT AGE
xL034A	START WRK FOR EMP- INC PENSION- YR- 1
xL034B	START WRK FOR EMP- INC PENSION- YR- 2
xL035A	LEFT EMPLOYER- INCLUDE PENSION- YR- 1
xL035B	LEFT EMPLOYER- INCLUDE PENSION- YR- 2

HRS 2016-2022:

xJK004	LAST WRKED WHEN-YR
xJK005	LAST WRKED WHEN-YRS AGO
xJK006	LAST WRKED-MO
xJK022	START WRK-YR
xJK023	START WRK-YRS AGO
xJK024	START WRK- AT AGE
xJL009_1	START WRK-YR
xJL009_2	LONGEST HELD JOB START WRK-YR
xJL010_1	START WORK-YRS AGO
xJL010_2	LONGEST HELD JOB START WORK-YRS AGO
xJL011_1	START WORK- AT AGE
xJL011_2	LONGEST HELD JOB START WORK- AT AGE
xJL017_1	LEFT EMPLOYER-YRS AGO
xJL017_2	LEFT LONGEST HELD JOB EMPLOYER-YRS AGO
xJL018_1	LEFT EMPLOYER- AT AGE
xJL018_2	LEFT LONGEST HELD JOB EMPLOYER- AT AGE

Occupation code for job with longest reported tenure

Wave	Variable	Label	Type
1	R1JLOCC	R1JLOCC:W1 Longest Job Occ/1980 Census	Categ
2	R2JLOCC	R2JLOCC:W2 Longest Job Occ/1980 Census	Categ
3	R3JLOCC	R3JLOCC:W3 Longest Job Occ/1980 Census	Categ
4	R4JLOCC	R4JLOCC:W4 Longest Job Occ/1980 Census	Categ
5	R5JLOCC	R5JLOCC:W5 Longest Job Occ/1980 Census	Categ
6	R6JLOCC	R6JLOCC:W6 Longest Job Occ/1980 Census	Categ
7	R7JLOCC	R7JLOCC:W7 Longest Job Occ/1980 Census	Categ
8	R8JLOCC	R8JLOCC:W8 Longest Job Occ/1980 Census	Categ
9	R9JLOCC	R9JLOCC:W9 Longest Job Occ/1980 Census	Categ
10	R10JLOCC	R10JLOCC:W10 Longest Job Occ/1980 Census	Categ
11	R11JLOCC	R11JLOCC:W11 Longest Job Occ/1980 Census	Categ
12	R12JLOCC	R12JLOCC:W12 Longest Job Occ/1980 Census	Categ
13	R13JLOCC	R13JLOCC:W13 Longest Job Occ/1980 Census	Categ
14	R14JLOCC	R14JLOCC:W14 Longest Job Occ/1980 Census	Categ
15	R15JLOCC	R15JLOCC:W15 Longest Job Occ/1980 Census	Categ
16	R16JLOCC	R16JLOCC:W16 Longest Job Occ/1980 Census	Categ
1	S1JLOCC	S1JLOCC:W1 Longest Job Occ/1980 Census	Categ
2	S2JLOCC	S2JLOCC:W2 Longest Job Occ/1980 Census	Categ
3	S3JLOCC	S3JLOCC:W3 Longest Job Occ/1980 Census	Categ
4	S4JLOCC	S4JLOCC:W4 Longest Job Occ/1980 Census	Categ
5	S5JLOCC	S5JLOCC:W5 Longest Job Occ/1980 Census	Categ
6	S6JLOCC	S6JLOCC:W6 Longest Job Occ/1980 Census	Categ
7	S7JLOCC	S7JLOCC:W7 Longest Job Occ/1980 Census	Categ
8	S8JLOCC	S8JLOCC:W8 Longest Job Occ/1980 Census	Categ
9	S9JLOCC	S9JLOCC:W9 Longest Job Occ/1980 Census	Categ
10	S10JLOCC	S10JLOCC:W10 Longest Job Occ/1980 Census	Categ
11	S11JLOCC	S11JLOCC:W11 Longest Job Occ/1980 Census	Categ
12	S12JLOCC	S12JLOCC:W12 Longest Job Occ/1980 Census	Categ
13	S13JLOCC	S13JLOCC:W13 Longest Job Occ/1980 Census	Categ
14	S14JLOCC	S14JLOCC:W14 Longest Job Occ/1980 Census	Categ
15	S15JLOCC	S15JLOCC:W15 Longest Job Occ/1980 Census	Categ
16	S16JLOCC	S16JLOCC:W16 Longest Job Occ/1980 Census	Categ
1	R1JLOCCA	R1JLOCCA:W1 Long Job Occup/Ahead coding	Categ
2	R2JLOCCA	R2JLOCCA:W2 Long Job Occup/Ahead coding	Categ
3	R3JLOCCA	R3JLOCCA:W3 Long Job Occup/Ahead coding	Categ
4	R4JLOCCA	R4JLOCCA:W4 Long Job Occup/Ahead coding	Categ
5	R5JLOCCA	R5JLOCCA:W5 Long Job Occup/Ahead coding	Categ
6	R6JLOCCA	R6JLOCCA:W6 Long Job Occup/Ahead coding	Categ
7	R7JLOCCA	R7JLOCCA:W7 Long Job Occup/Ahead coding	Categ
8	R8JLOCCA	R8JLOCCA:W8 Long Job Occup/Ahead coding	Categ
9	R9JLOCCA	R9JLOCCA:W9 Long Job Occup/Ahead coding	Categ
10	R10JLOCCA	R10JLOCCA:W10 Long Job Occup/Ahead coding	Categ
11	R11JLOCCA	R11JLOCCA:W11 Long Job Occup/Ahead coding	Categ
12	R12JLOCCA	R12JLOCCA:W12 Long Job Occup/Ahead coding	Categ
13	R13JLOCCA	R13JLOCCA:W13 Long Job Occup/Ahead coding	Categ
14	R14JLOCCA	R14JLOCCA:W14 Long Job Occup/Ahead coding	Categ
15	R15JLOCCA	R15JLOCCA:W15 Long Job Occup/Ahead coding	Categ
16	R16JLOCCA	R16JLOCCA:W16 Long Job Occup/Ahead coding	Categ
1	S1JLOCCA	S1JLOCCA:W1 Long Job Occup/Ahead coding	Categ
2	S2JLOCCA	S2JLOCCA:W2 Long Job Occup/Ahead coding	Categ
3	S3JLOCCA	S3JLOCCA:W3 Long Job Occup/Ahead coding	Categ
4	S4JLOCCA	S4JLOCCA:W4 Long Job Occup/Ahead coding	Categ
5	S5JLOCCA	S5JLOCCA:W5 Long Job Occup/Ahead coding	Categ
6	S6JLOCCA	S6JLOCCA:W6 Long Job Occup/Ahead coding	Categ
7	S7JLOCCA	S7JLOCCA:W7 Long Job Occup/Ahead coding	Categ
8	S8JLOCCA	S8JLOCCA:W8 Long Job Occup/Ahead coding	Categ
9	S9JLOCCA	S9JLOCCA:W9 Long Job Occup/Ahead coding	Categ
10	S10JLOCCA	S10JLOCCA:W10 Long Job Occup/Ahead coding	Categ
11	S11JLOCCA	S11JLOCCA:W11 Long Job Occup/Ahead coding	Categ
12	S12JLOCCA	S12JLOCCA:W12 Long Job Occup/Ahead coding	Categ
13	S13JLOCCA	S13JLOCCA:W13 Long Job Occup/Ahead coding	Categ
14	S14JLOCCA	S14JLOCCA:W14 Long Job Occup/Ahead coding	Categ
15	S15JLOCCA	S15JLOCCA:W15 Long Job Occup/Ahead coding	Categ

16	S16JLOCCA	S16JLOCCA:W16 Long Job Occup/Ahead coding	Categ
7	R7JLOCCB	R7JLOCCB:W7 Long Job Occup/2000 Census	Categ
8	R8JLOCCB	R8JLOCCB:W8 Long Job Occup/2000 Census	Categ
9	R9JLOCCB	R9JLOCCB:W9 Long Job Occup/2000 Census	Categ
10	R10JLOCCB	R10JLOCCB:W10 Long Job Occup/2000 Census	Categ
11	R11JLOCCB	R11JLOCCB:W11 Long Job Occup/2000 Census	Categ
12	R12JLOCCB	R12JLOCCB:W12 Long Job Occup/2000 Census	Categ
13	R13JLOCCB	R13JLOCCB:W13 Long Job Occup/2000 Census	Categ
14	R14JLOCCB	R14JLOCCB:W14 Long Job Occup/2000 Census	Categ
15	R15JLOCCB	R15JLOCCB:W15 Long Job Occup/2000 Census	Categ
16	R16JLOCCB	R16JLOCCB:W16 Long Job Occup/2000 Census	Categ
7	S7JLOCCB	S7JLOCCB:W7 Long Job Occup/2000 Census	Categ
8	S8JLOCCB	S8JLOCCB:W8 Long Job Occup/2000 Census	Categ
9	S9JLOCCB	S9JLOCCB:W9 Long Job Occup/2000 Census	Categ
10	S10JLOCCB	S10JLOCCB:W10 Long Job Occup/2000 Census	Categ
11	S11JLOCCB	S11JLOCCB:W11 Long Job Occup/2000 Census	Categ
12	S12JLOCCB	S12JLOCCB:W12 Long Job Occup/2000 Census	Categ
13	S13JLOCCB	S13JLOCCB:W13 Long Job Occup/2000 Census	Categ
14	S14JLOCCB	S14JLOCCB:W14 Long Job Occup/2000 Census	Categ
15	S15JLOCCB	S15JLOCCB:W15 Long Job Occup/2000 Census	Categ
16	S16JLOCCB	S16JLOCCB:W16 Long Job Occup/2000 Census	Categ
10	R10JLOCCC	R10JLOCCC:W10 Long Job Occup/2010 Census	Categ
11	R11JLOCCC	R11JLOCCC:W11 Long Job Occup/2010 Census	Categ
12	R12JLOCCC	R12JLOCCC:W12 Long Job Occup/2010 Census	Categ
13	R13JLOCCC	R13JLOCCC:W13 Long Job Occup/2010 Census	Categ
14	R14JLOCCC	R14JLOCCC:W14 Long Job Occup/2010 Census	Categ
15	R15JLOCCC	R15JLOCCC:W15 Long Job Occup/2010 Census	Categ
16	R16JLOCCC	R16JLOCCC:W16 Long Job Occup/2010 Census	Categ
10	S10JLOCCC	S10JLOCCC:W10 Long Job Occup/2010 Census	Categ
11	S11JLOCCC	S11JLOCCC:W11 Long Job Occup/2010 Census	Categ
12	S12JLOCCC	S12JLOCCC:W12 Long Job Occup/2010 Census	Categ
13	S13JLOCCC	S13JLOCCC:W13 Long Job Occup/2010 Census	Categ
14	S14JLOCCC	S14JLOCCC:W14 Long Job Occup/2010 Census	Categ
15	S15JLOCCC	S15JLOCCC:W15 Long Job Occup/2010 Census	Categ
16	S16JLOCCC	S16JLOCCC:W16 Long Job Occup/2010 Census	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JLOCC	11247	6.80	5.15	1.0	17.0
R2JLOCC	11827	6.69	5.09	1.0	17.0
R3JLOCC	11393	6.66	5.06	1.0	17.0
R4JLOCC	15463	6.53	5.02	1.0	17.0
R5JLOCC	14503	6.44	5.00	1.0	17.0
R6JLOCC	13915	6.39	4.98	1.0	17.0
R7JLOCC	16178	6.39	4.97	1.0	17.0
R8JLOCC	14811	6.34	4.95	1.0	17.0
R9JLOCC	13795	6.31	4.94	1.0	17.0
R10JLOCC	12713	6.25	4.92	1.0	17.0
R11JLOCC	11798	6.19	4.90	1.0	17.0
R12JLOCC	10599	6.12	4.88	1.0	17.0
R13JLOCC	9178	6.05	4.83	1.0	17.0
R14JLOCC	7433	5.94	4.79	1.0	17.0
R15JLOCC	6591	5.78	4.73	1.0	17.0
R16JLOCC	5302	5.69	4.71	1.0	17.0
S1JLOCC	8843	6.78	5.20	1.0	17.0
S2JLOCC	8895	6.69	5.17	1.0	17.0
S3JLOCC	8448	6.67	5.14	1.0	17.0

S4JLOCC	11010	6.53	5.11	1.0	17.0
S5JLOCC	10304	6.45	5.09	1.0	17.0
S6JLOCC	9687	6.37	5.08	1.0	17.0
S7JLOCC	11131	6.34	5.06	1.0	17.0
S8JLOCC	9949	6.30	5.06	1.0	17.0
S9JLOCC	8960	6.24	5.04	1.0	17.0
S10JLOCC	8013	6.17	5.02	1.0	17.0
S11JLOCC	7176	6.13	5.01	1.0	17.0
S12JLOCC	6162	6.05	5.02	1.0	17.0
S13JLOCC	5087	6.01	4.97	1.0	17.0
S14JLOCC	3956	5.90	4.94	1.0	17.0
S15JLOCC	3436	5.77	4.90	1.0	17.0
S16JLOCC	2639	5.65	4.85	1.0	17.0
R1JLOCCA	26	4.81	2.14	1.0	8.0
R2JLOCCA	5476	4.32	2.37	1.0	9.0
R3JLOCCA	4754	4.29	2.38	1.0	9.0
R4JLOCCA	4098	4.30	2.40	1.0	9.0
R5JLOCCA	3412	4.26	2.40	1.0	9.0
R6JLOCCA	2803	4.20	2.41	1.0	9.0
R7JLOCCA	2284	4.20	2.41	1.0	9.0
R8JLOCCA	1800	4.17	2.41	1.0	9.0
R9JLOCCA	1425	4.07	2.38	1.0	9.0
R10JLOCCA	986	4.06	2.41	1.0	9.0
R11JLOCCA	747	3.97	2.39	1.0	9.0
R12JLOCCA	540	3.97	2.41	1.0	9.0
R13JLOCCA	321	3.96	2.40	1.0	9.0
R14JLOCCA	173	3.76	2.31	1.0	9.0
R15JLOCCA	101	3.90	2.46	1.0	9.0
R16JLOCCA	55	3.82	2.35	1.0	8.0
S1JLOCCA	26	4.81	2.14	1.0	8.0
S2JLOCCA	3116	4.14	2.29	1.0	9.0
S3JLOCCA	2626	4.09	2.28	1.0	9.0
S4JLOCCA	2087	4.10	2.31	1.0	9.0
S5JLOCCA	1592	4.07	2.31	1.0	9.0
S6JLOCCA	1181	3.96	2.33	1.0	9.0
S7JLOCCA	878	3.88	2.34	1.0	9.0
S8JLOCCA	605	3.86	2.35	1.0	9.0
S9JLOCCA	426	3.85	2.37	1.0	9.0
S10JLOCCA	240	3.80	2.45	1.0	9.0
S11JLOCCA	150	3.70	2.50	1.0	9.0
S12JLOCCA	92	3.61	2.58	1.0	9.0
S13JLOCCA	33	3.18	1.99	1.0	8.0
S14JLOCCA	15	2.93	2.12	1.0	8.0
S15JLOCCA	5	3.20	2.17	1.0	6.0
S16JLOCCA	3	5.33	3.06	2.0	8.0
R7JLOCCB	3869	13.74	7.37	1.0	25.0
R8JLOCCB	4771	13.66	7.26	1.0	25.0
R9JLOCCB	4632	13.67	7.25	1.0	25.0
R10JLOCCB	9641	14.28	7.06	1.0	25.0
R11JLOCCB	8670	14.31	7.01	1.0	25.0
R12JLOCCB	7944	14.34	6.97	1.0	25.0
R13JLOCCB	7097	14.33	6.97	1.0	25.0
R14JLOCCB	5918	14.23	6.97	1.0	25.0
R15JLOCCB	5694	14.08	6.99	1.0	25.0
R16JLOCCB	4925	14.02	6.97	1.0	25.0

S7JLOCCB	2819	13.50	7.54	1.0	25.0
S8JLOCCB	3500	13.49	7.46	1.0	25.0
S9JLOCCB	3321	13.40	7.48	1.0	25.0
S10JLOCCB	6461	14.10	7.30	1.0	25.0
S11JLOCCB	5731	14.11	7.26	1.0	25.0
S12JLOCCB	5109	14.16	7.19	1.0	25.0
S13JLOCCB	4420	14.14	7.22	1.0	25.0
S14JLOCCB	3514	14.03	7.26	1.0	25.0
S15JLOCCB	3325	13.86	7.28	1.0	25.0
S16JLOCCB	2755	13.67	7.29	1.0	25.0
R10JLOCCC	6042	13.35	6.57	1.0	23.0
R11JLOCCC	6142	13.28	6.58	1.0	23.0
R12JLOCCC	5965	13.29	6.52	1.0	23.0
R13JLOCCC	9990	13.21	6.60	1.0	23.0
R14JLOCCC	8378	13.05	6.61	1.0	23.0
R15JLOCCC	8041	13.01	6.58	1.0	23.0
R16JLOCCC	9107	12.93	6.61	1.0	23.0
S10JLOCCC	3990	13.25	6.76	1.0	23.0
S11JLOCCC	4136	13.14	6.79	1.0	23.0
S12JLOCCC	3924	13.14	6.74	1.0	23.0
S13JLOCCC	6090	13.12	6.80	1.0	23.0
S14JLOCCC	4919	12.93	6.86	1.0	23.0
S15JLOCCC	4639	12.84	6.85	1.0	23.0
S16JLOCCC	4731	12.67	6.88	1.0	23.0

Categorical Variable Codes

RwJLOCC: Longest Job Occ/1980 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code							230	571	794	6141
.M=Oth missing	1379	4282	3778	3829	3358	2881	2642	2283	2009	2776
.Q=Not asked this wv	26	3533	2820	2092	1717	1369	1079	804	619	404
01.Managerial specialty ope	1577	1661	1581	2175	2070	2002	2260	2077	1927	1787
02.Prof specialty opr/tech	1608	1718	1682	2433	2341	2291	2701	2498	2365	2198
03.Sales	1035	1114	1059	1469	1375	1320	1520	1404	1322	1231
04.Clerical/admin supp	1768	1889	1829	2440	2327	2245	2655	2475	2303	2153
05.Svc:prv hhld/clean/bldg	151	184	175	224	208	201	220	192	176	158
06.Svc:protection	153	153	154	216	202	194	219	199	185	170
07.Svc:food prep	382	398	377	532	485	443	514	458	438	392
08.Health svc	269	294	274	377	353	356	415	391	354	331
09.Personal svc	634	678	683	868	824	791	966	877	825	771
10.Farming/forestry/fishing	331	366	356	480	443	411	468	412	377	340
11.Mechanics/repair	406	417	418	566	510	487	587	543	494	444
12.Constr trade/extractors	402	383	384	536	494	459	563	502	463	420
13.Precision production	467	491	476	622	568	535	589	548	496	462
14.Operators: machine	1000	1035	977	1282	1157	1103	1220	1088	1001	895
15.Operators: transport, et	558	569	536	701	652	600	690	623	571	525
16.Operators: handlers, etc	340	329	304	402	361	352	453	409	389	345
17.Member of Armed Forces	166	148	128	140	133	125	138	115	109	91

Value	w11	w12	w13	w14	w15	w16
.B=Other Census code	6139	5920	9416	7991	7685	8844
.M=Oth missing	2322	2026	2202	1664	1415	1625
.Q=Not asked this wv	295	202	116	58	32	16

01.Managerial specialty ope	1681	1519	1300	1045	960	779
02.Prof specialty opr/tech	2059	1901	1680	1423	1315	1095
03.Sales	1142	1021	894	720	631	512
04.Clerical/admin supp	2018	1833	1604	1331	1201	976
05.Svc:prv hhld/clean/bldg	150	136	123	100	87	68
06.Svc:protection	156	137	115	97	80	63
07.Svc:food prep	364	346	288	236	199	152
08.Health svc	313	288	252	201	180	146
09.Personal svc	715	613	557	437	382	301
10.Farming/forestry/fishing	297	254	230	170	147	112
11.Mechanics/repair	392	341	301	237	207	162
12.Constr trade/extractors	390	339	288	224	198	149
13.Precision production	417	365	306	240	192	150
14.Operators: machine	823	730	614	476	400	305
15.Operators: transport, et	474	408	331	262	207	167
16.Operators: handlers, etc	322	290	228	177	154	123
17.Member of Armed Forces	85	78	67	57	51	42

SwJLOCC: Longest Job Occ/1980 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code							104	388	546	3999
.M=Oth missing	1031	2330	2038	2015	1711	1431	1351	1151	976	1416
.Q=Not asked this wv	26	1865	1431	955	715	521	386	247	164	85
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
01.Managerial specialty ope	1295	1338	1250	1651	1582	1517	1704	1557	1394	1266
02.Prof specialty opr/tech	1271	1303	1259	1781	1719	1655	1950	1753	1606	1455
03.Sales	862	871	828	1080	994	938	1060	963	875	792
04.Clerical/admin supp	1375	1386	1309	1683	1572	1471	1720	1535	1416	1272
05.Svc:prv hhld/clean/bldg	83	77	78	83	87	84	93	77	65	58
06.Svc:protection	124	125	122	164	154	150	166	146	127	117
07.Svc:food prep	259	252	223	290	255	232	273	239	212	189
08.Health svc	159	158	147	206	193	181	209	177	158	144
09.Personal svc	443	442	442	537	513	481	576	487	443	386
10.Farming/forestry/fishing	272	294	283	367	339	307	341	294	261	225
11.Mechanics/repair	345	350	350	448	407	389	460	420	367	331
12.Constr trade/extractors	346	326	321	434	405	361	434	387	351	306
13.Precision production	384	388	377	466	426	393	428	400	343	302
14.Operators: machine	767	759	702	880	775	715	783	697	620	531
15.Operators: transport, et	473	476	438	554	530	477	525	453	401	355
16.Operators: handlers, etc	243	222	206	271	243	237	298	271	235	210
17.Member of Armed Forces	142	128	113	115	110	99	111	93	86	74

Value	w11	w12	w13	w14	w15	w16
.B=Other Census code	4079	3827	5641	4630	4395	4560
.M=Oth missing	1169	993	1036	767	645	640
.Q=Not asked this wv	60	30	15	5	1	1
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
01.Managerial specialty ope	1147	1009	819	644	577	447
02.Prof specialty opr/tech	1320	1179	988	783	719	566
03.Sales	714	614	512	407	334	261
04.Clerical/admin supp	1130	951	788	626	549	429
05.Svc:prv hhld/clean/bldg	54	48	42	32	25	16
06.Svc:protection	106	88	73	61	49	41
07.Svc:food prep	165	149	114	93	81	60
08.Health svc	134	116	101	75	61	52
09.Personal svc	343	272	236	171	146	111
10.Farming/forestry/fishing	192	154	130	95	79	56
11.Mechanics/repair	292	235	202	158	148	104
12.Constr trade/extractors	274	234	196	147	125	95
13.Precision production	266	230	190	136	111	79
14.Operators: machine	472	397	312	233	184	141
15.Operators: transport, et	308	258	201	154	126	94

16.Operators: handlers, etc	190	164	131	98	85	59
17.Member of Armed Forces	69	64	52	43	37	28

RwJLOCCA: Long Job Occup/Ahead coding

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	81	2727	2261	1845	1581	1299	1077	896	714	537
.Q=Not asked this wv	12545	11420	10964	15433	14578	14058	16764	15769	15075	20508
.R=RF		19	12	8	7	5	4	4	3	3
01.Professional/technical w	3	802	708	623	538	457	366	294	237	176
02.Managers/officials/propr	2	738	641	536	450	366	298	234	192	120
03.Clerical/kindred workers	2	881	798	681	580	507	432	355	299	210
04.Sales workers	2	408	367	340	285	240	196	159	130	93
05.Craftsmen/foremen/kindre	5	736	607	505	404	319	238	176	133	89
06.Operatives/kindred worke	8	904	753	622	510	388	318	241	179	118
07.Laborers/farm foremen	1	197	169	146	119	96	81	57	41	24
08.Svc workers	3	690	601	549	445	361	302	244	187	137
09.Farmers and farm manager		120	110	96	81	69	53	40	27	19

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	415	302	189	120	62	48
.Q=Not asked this wv	19389	17903	20401	16853	15560	15684
.R=RF	3	2	1			
01.Professional/technical w	139	97	59	34	22	13
02.Managers/officials/propr	92	70	39	23	11	6
03.Clerical/kindred workers	170	127	78	45	23	8
04.Sales workers	67	52	34	15	10	9
05.Craftsmen/foremen/kindre	63	38	17	8	5	4
06.Operatives/kindred worke	85	57	33	21	10	6
07.Laborers/farm foremen	20	13	11	7	5	3
08.Svc workers	97	77	47	19	14	6
09.Farmers and farm manager	14	9	3	1	1	

SwJLOCCA: Long Job Occup/Ahead coding

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	80	1220	973	706	554	432	324	248	182	113
.Q=Not asked this wv	9794	9125	8630	11180	10578	10021	11767	10879	10036	13158
.R=RF		13	10	7	6	5	3	3	2	2
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	200	95	536	311	220	380	317	365	724
01.Professional/technical w	3	469	401	331	259	212	169	121	88	59
02.Managers/officials/propr	2	496	425	326	255	194	147	98	66	31
03.Clerical/kindred workers	2	443	389	310	232	167	132	92	66	38
04.Sales workers	2	249	223	183	147	118	76	56	42	19
05.Craftsmen/foremen/kindre	5	497	409	313	235	169	115	77	53	32
06.Operatives/kindred worke	8	512	409	309	231	155	122	78	51	24
07.Laborers/farm foremen	1	116	95	83	57	36	26	21	16	9
08.Svc workers	3	248	201	172	125	88	60	38	26	17
09.Farmers and farm manager		86	74	60	51	42	31	24	18	11

Value	w11	w12	w13	w14	w15	w16
.M=Oth missing	75	44	21	11	3	3
.Q=Not asked this wv	12257	10876	11725	9332	8469	7834
.R=RF	2					
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
01.Professional/technical w	44	28	9	5	1	
02.Managers/officials/propr	17	12	6	3	2	1

03.Clerical/kindred workers	22	15	5	2		
04.Sales workers	7	4	3	2		
05.Craftsmen/foremen/kindre	23	12	6	1	1	
06.Operatives/kindred worke	14	6	2	1	1	1
07.Laborers/farm foremen	7	2	1			
08.Svc workers	9	8	1	1		1
09.Farmers and farm manager	7	5				

RwJLOCCB: Long Job Occup/2000 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code										
.M=Oth missing							2622	2269	1999	2769
.P=From previous Census cod							12559	10625	9967	9220
.Q=Not asked this wave							1079	804	619	404
01.Management Occupations							510	587	577	959
02.Business Oper-ns Special							66	93	80	171
03.Financial Specialists							72	93	91	162
04.Computer+Math Occs							56	66	62	154
05.Architecture+Engineering							63	70	81	140
06.Life/Physical/SocialSci							46	59	48	82
07.Community+Social Svcs Oc							59	85	77	187
08.Legal Occups							56	73	65	106
09.Education/Training/Libra							219	327	327	570
10.Arts/Design/Entertnmt Oc							63	70	61	147
11.Hlthcare Practition/Tech							162	210	200	396
12.Healthcare Support Occs							116	141	132	305
13.Protective Service Occs							57	67	71	179
14.Food Prep+Serving Occs							101	138	146	387
15.Blding/Grounds/Clean/Mai							200	247	231	594
16.Personal Care+Service Oc							159	190	201	466
17.Sales Occups							395	458	461	871
18.Office+Admin Support Occ							548	740	681	1360
19.Farm/Fish/Forestry Occup							24	29	33	73
20.Construction Trades							199	214	221	499
21.Extraction Workers							5	6	5	5
22.Install/Maint/Repair Wor							145	151	157	331
23.Production Occups							346	407	381	831
24.Transport/Material Movin							182	232	224	608
25.Military Specific Occups							20	18	19	58

Value	w11	w12	w13	w14	w15	w16
.B=Other Census code	559	712	2708	2127	1868	2376
.M=Oth missing	2464	2283	4525	3892	3724	5041
.P=From previous Census cod	8566	7606	6466	5151	4405	3429
.Q=Not asked this wave	295	202	116	58	32	16
01.Management Occupations	839	747	686	566	581	488
02.Business Oper-ns Special	159	149	118	110	102	93
03.Financial Specialists	152	142	120	97	89	80
04.Computer+Math Occs	122	105	99	90	86	74
05.Architecture+Engineering	121	110	99	81	79	71
06.Life/Physical/SocialSci	74	70	59	58	57	57
07.Community+Social Svcs Oc	168	147	127	109	103	98
08.Legal Occups	95	85	72	60	59	50
09.Education/Training/Libra	509	465	424	368	353	324
10.Arts/Design/Entertnmt Oc	135	133	117	101	92	82
11.Hlthcare Practition/Tech	371	345	307	251	269	224
12.Healthcare Support Occs	280	268	240	206	195	174
13.Protective Service Occs	157	147	134	120	109	99
14.Food Prep+Serving Occs	333	306	276	230	212	180
15.Blding/Grounds/Clean/Mai	547	503	448	360	366	304
16.Personal Care+Service Oc	415	395	368	308	287	253
17.Sales Occups	817	757	677	563	540	456
18.Office+Admin Support Occ	1238	1112	982	826	803	715
19.Farm/Fish/Forestry Occup	61	55	49	41	42	40
20.Construction Trades	452	421	374	291	278	217

21.Extraction Workers	6	5	5	3	1	1
22.Install/Maint/Repair Wor	282	263	236	201	178	144
23.Production Occups	747	686	623	505	474	404
24.Transport/Material Movin	535	477	409	328	296	255
25.Military Specific Occups	55	51	48	45	43	42

SwJLOCCB: Long Job Occup/2000 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code										
.M=Oth missing							1341	1143	972	1414
.P=From previous Census cod							8426	6845	6189	5553
.Q=Not asked this wave							386	247	164	85
.U=Unmarried							6777	6417	6206	7797
.V=Spouse NR							380	317	365	724
01.Management Occupations							405	479	465	731
02.Business Oper-ns Special							55	70	64	121
03.Financial Specialists							59	68	72	124
04.Computer+Math Occs							44	51	47	99
05.Architecture+Engineering							51	56	68	112
06.Life/Physical/SocialSci							35	45	39	66
07.Community+Social Svcs Oc							36	58	54	109
08.Legal Occups							42	52	45	69
09.Education/Training/Libra							153	246	229	396
10.Arts/Design/Entertnmt Oc							50	52	48	101
11.Hlthcare Practition/Tech							116	155	139	246
12.Healthcare Support Occs							70	83	82	170
13.Protective Service Occs							45	51	42	109
14.Food Prep+Serving Occs							70	88	93	229
15.Blding/Grounds/Clean/Mai							127	156	138	352
16.Personal Care+Service Oc							108	126	126	269
17.Sales Occups							296	341	335	608
18.Office+Admin Support Occ							383	509	468	880
19.Farm/Fish/Forestry Occup							14	21	24	51
20.Construction Trades							150	173	176	362
21.Extraction Workers							3	5	3	4
22.Install/Maint/Repair Wor							121	126	125	240
23.Production Occups							246	305	271	550
24.Transport/Material Movin							125	169	152	423
25.Military Specific Occups							15	15	16	40

Value	w11	w12	w13	w14	w15	w16
.B=Other Census code	407	514	1682	1289	1133	1244
.M=Oth missing	1308	1207	2347	2029	1944	2326
.P=From previous Census cod	4978	4152	3315	2521	2074	1514
.Q=Not asked this wave	60	30	15	5	1	1
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
01.Management Occupations	637	542	488	390	387	325
02.Business Oper-ns Special	110	100	78	71	66	57
03.Financial Specialists	115	107	87	66	59	56
04.Computer+Math Occs	79	67	62	58	56	46
05.Architecture+Engineering	95	82	73	57	57	47
06.Life/Physical/SocialSci	59	50	40	40	37	37
07.Community+Social Svcs Oc	102	89	80	65	60	52
08.Legal Occups	61	51	44	34	34	26
09.Education/Training/Libra	351	315	270	221	221	190
10.Arts/Design/Entertnmt Oc	89	81	75	60	59	54
11.Hlthcare Practition/Tech	225	210	179	138	136	114
12.Healthcare Support Occs	147	134	110	87	77	69
13.Protective Service Occs	99	94	81	66	66	57
14.Food Prep+Serving Occs	199	180	145	111	104	90
15.Blding/Grounds/Clean/Mai	324	289	253	195	191	150
16.Personal Care+Service Oc	235	211	192	140	130	105
17.Sales Occups	554	515	448	358	337	257
18.Office+Admin Support Occ	786	691	585	479	442	381

19.Farm/Fish/Forestry Occup	35	35	34	30	28	27
20.Construction Trades	335	299	254	188	172	135
21.Extraction Workers	4	3	3	2	1	1
22.Install/Maint/Repair Wor	202	188	168	136	126	88
23.Production Occups	488	435	383	290	275	224
24.Transport/Material Movin	360	304	252	200	173	137
25.Military Specific Occups	40	37	36	32	31	30

RwJLOCCC: Long Job Occup/2010 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.J=Web interview, missing										
.M=Oth missing										3069
.P=From previous Census cod										12923
01.Management Occs										568
02.Business+Financial Oper-										210
03.Computer+Mathematical Oc										102
04.Architecture+Engineering										80
05.Life/Physical/SocialSci										46
06.Community+Social Service										126
07.Legal Occs										74
08.Education/Training/Libra										293
09.Arts/Design/Entertainmen										112
10.Healthcare Practitioners										236
11.Healthcare Support Occs										192
12.Protective Service Occs										119
13.Food Prep+Serving Relate										263
14.Building/Grounds Cleanin										404
15.Personal Care+Service Oc										322
16.Sales+Related Occs										544
17.Office+Administrative Su										789
18.Farming/Fishing/Forestry										45
19.Construction+Extraction										336
20.Installation/Maintenance										207
21.Production Occs										517
22.Transportation+Material										414
23.Military Specific Occs										43

Value	w11	w12	w13	w14	w15	w16
.J=Web interview, missing				63	105	51
.M=Oth missing	2532	2171	2278	1634	1324	1580
.P=From previous Census cod	11880	10611	8644	7071	6253	5049
01.Management Occs	583	540	923	783	754	865
02.Business+Financial Oper-	237	239	410	359	340	380
03.Computer+Mathematical Oc	96	96	191	173	160	188
04.Architecture+Engineering	77	70	136	122	118	135
05.Life/Physical/SocialSci	40	41	64	65	56	73
06.Community+Social Service	136	120	210	190	178	223
07.Legal Occs	70	64	97	81	86	86
08.Education/Training/Libra	306	304	548	463	446	537
09.Arts/Design/Entertainmen	115	115	165	146	140	155
10.Healthcare Practitioners	244	247	408	319	337	366
11.Healthcare Support Occs	196	202	337	291	269	316
12.Protective Service Occs	121	118	200	177	172	202
13.Food Prep+Serving Relate	263	252	466	382	366	420
14.Building/Grounds Cleanin	412	411	619	523	527	589
15.Personal Care+Service Oc	319	326	504	463	439	537
16.Sales+Related Occs	563	553	860	709	706	724
17.Office+Administrative Su	806	769	1322	1120	1056	1188
18.Farming/Fishing/Forestry	41	44	70	52	50	60
19.Construction+Extraction	344	348	578	440	415	442
20.Installation/Maintenance	201	191	316	266	253	272
21.Production Occs	518	486	807	641	604	687
22.Transportation+Material	412	391	688	552	512	599
23.Military Specific Occs	42	38	71	61	57	63

SwJLOCCC: Long Job Occup/2010 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.J=Web interview, missing										
.M=Oth missing										1473
.P=From previous Census cod										8050
.U=Unmarried										7797
.V=Spouse NR										724
01.Management Occs										425
02.Business+Financial Oper-										147
03.Computer+Mathematical Oc										63
04.Architecture+Engineering										62
05.Life/Physical/SocialSci										38
06.Community+Social Service										66
07.Legal Occs										49
08.Education/Training/Libra										203
09.Arts/Design/Entertainmen										76
10.Healthcare Practitioners										138
11.Healthcare Support Occs										104
12.Protective Service Occs										73
13.Food Prep+Serving Relate										152
14.Building/Grounds Cleanin										257
15.Personal Care+Service Oc										182
16.Sales+Related Occs										377
17.Office+Administrative Su										508
18.Farming/Fishing/Forestry										33
19.Construction+Extraction										238
20.Installation/Maintenance										145
21.Production Occs										336
22.Transportation+Material										290
23.Military Specific Occs										28

Value	w11	w12	w13	w14	w15	w16
.J=Web interview, missing				47	61	34
.M=Oth missing	1210	1011	1042	718	582	603
.P=From previous Census cod	7138	6077	4647	3674	3195	2472
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
01.Management Occs	454	411	626	527	501	519
02.Business+Financial Oper-	166	171	255	218	207	215
03.Computer+Mathematical Oc	61	67	132	111	105	113
04.Architecture+Engineering	64	55	93	78	75	82
05.Life/Physical/SocialSci	31	27	43	40	34	42
06.Community+Social Service	79	72	121	102	98	121
07.Legal Occs	46	37	61	47	53	46
08.Education/Training/Libra	219	206	350	294	283	309
09.Arts/Design/Entertainmen	71	68	93	81	81	86
10.Healthcare Practitioners	146	143	236	175	175	167
11.Healthcare Support Occs	107	104	169	143	128	124
12.Protective Service Occs	82	81	120	94	94	104
13.Food Prep+Serving Relate	158	147	242	191	179	175
14.Building/Grounds Cleanin	272	259	346	278	269	287
15.Personal Care+Service Oc	178	175	254	219	200	219
16.Sales+Related Occs	383	383	551	440	421	382
17.Office+Administrative Su	524	504	760	614	558	568
18.Farming/Fishing/Forestry	28	31	52	39	33	36
19.Construction+Extraction	256	247	387	276	266	258
20.Installation/Maintenance	144	135	221	182	173	156
21.Production Occs	356	317	503	376	353	376
22.Transportation+Material	283	258	427	351	313	312
23.Military Specific Occs	28	26	48	43	40	34

How Constructed

The occupation code for the job with the longest reported tenure is assigned once the job with the longest tenure is identified. It can be the current job, a past job held since the first HRS interview, or a job reported in the job history data. The job history questions were not asked in Waves 2A or 3A. For those in the AHEAD entry cohort, job history information was collected at Wave 4.

The occupation of jobs held since the first interview is usually available.

RwJLOCC is set to the occupation code associated with the longest-held job reported. RwJLOCCA is set to the AHEAD code for occupation if the longest-held job reported occupation in Wave 2A, 3A, or 4. RwJLOCCB is set to a Census 2000-based occupation code if the longest-held job reported occupation in Wave 7-10. RwJLOCCC is set to a Census 2010-based occupation code if the longest-held job reported occupation from Wave 10. Occupation codes are simply recoded for missing values.

In Wave 2A there is a question asked of some Respondents about the total years at the longest held job. If, after processing the current job and job history, R2JLTEN is less than the answer to this direct question, the direct question is used to set R2JLTEN, and the occupation associated with this job is used for R2JLOCCA forward. RwJLTENF is set to indicate if this replacement was done.

Since tenure at the longest-held job based on job history can not be modified using Wave 2A data, RwJLTENF is set to .Q for all Respondents who are not part of the AHEAD entry cohort to indicate that it is inapplicable for those cases.

The occupation codes differed between the AHEAD and other cohorts in Waves 2 and 3, and the AHEAD codes are not provided for other cohorts in any wave. For AHEAD Respondents both sets of codes are given in Wave 4 only. In each wave the unavailable set of codes is set to .Q for the appropriate variables, to indicate that the information is missing for this reason. Thus, for Waves 2H, 3H, and 4 RwJLOCCA is set to .Q for other cohorts. For Wave 1 and from Wave 5 on the AHEAD codes have been carried back or forward from Waves 2A, 3A or 4.

Beginning in Wave 7, HRS begins using a different set of occupation codes, based on the 2000 Census. Before Wave 7 there are 17 possible occupation codes; from Wave 7-10, there are 25 codes; from Wave 10 forwards, there are 23 codes. RwJLOCCB begins with R7JLOCCB and RwJLOCCC begins with R10JLOCCC.

If the longest-held job is not a job for which occupation is reported in Wave 7, then R7JLOCCB is set to .P, for occupation taken from prior wave and R7JLOCC provides the 1980 Census-based occupation. If the longest tenured job provides an occupation code in Wave 7 and is one that continues from prior wave, the Respondent may have values for both R7JLOCC and R7JLOCCB. If the longest tenured job's occupation is only reported in Wave 7, then R7JLOCC is set to .B, to indicate that the occupation code for the longest tenured job is taken from Wave 7 when HRS begins to use the 2000 Census industries, which R7JLOCCB provides. This applies to waves 7-10.

If the longest-held job is not a job for which occupation is reported in Wave 10, then R10JLOCCC is set to .P, for occupation taken from prior wave. R10JLOCC provides the 1980 Census-based occupation and R10JLOCCB provides the 2000 Census-based occupation. If the longest tenured job provides an occupation code in Wave 10 and is one that continues from prior wave, the Respondent may have values for both R10JLOCC and R10JLOCCB and R10JCOCCC. If the longest tenured job's occupation is only reported in Wave 10, then R10JLOCC and R10JCOCCB are set to .B, to indicate that the occupation code for the longest tenured job is taken from Wave 10 when HRS begins to use the 2010 Census industries, which R10JLOCCC provides. This applies from Wave 10.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJLOCC, RwJLOCCA, RwJLOCCB, and RwJLOCCC.

Cross Wave Differences in Original HRS Data

Questions at each interview ask the Respondent's current work status and job change information. Generally at a Respondent's first interview, information about past jobs is obtained. The types of information, question wording, and general structure of questions

on job transitions and history are similar across waves but some of the details vary. For the AHEAD entry cohort, the complete set of job history questions are not asked in Waves 2A and 3A, but are asked for the first time at Wave 4.

At the Respondent's first interview, or Wave 4 for the AHEAD entry cohort, questions are asked about past jobs. If the Respondent is not working, then information is gathered about their last job, if there is one. If the last job ended more than 20 years ago, the amount of information gathered is very limited. Otherwise, questions ask about the starting date, occupation, and industry of the last job. Whether the Respondent is working or not, questions also ask about jobs held 5 or more years, besides the current or last job. If the Respondent has at least one other past job held 5 or more years, the start and stop months, occupation, and industry are collected for the most recent one. If there is more than one 5-year job, then a question asks:

"Besides the jobs you have already told me about, have you worked for any other employer where you were included in a pension or retirement plan, or in a tax-deferred savings plan of some sort?"

If the Respondent answers yes, then the start and stop years of up to two of these jobs are obtained, but industry and occupation are not asked. Altogether the retrospective job history can provide information on up to 3 jobs and a last job, if the Respondent is unemployed. The 3 jobs will only include the most recent past job that lasted at least 5 years, and 2 more that offered pension or retirement plans.

In Wave 2A, if the Respondent is not working but has worked during the last two years, information about that last job is collected, including start and stop dates and occupation. Industry of the last job is not available. In addition, most people are asked if they ever worked for ten or more years. If so they are then asked if they worked for one employer for ten or more years, and if so, the occupation and number of years at the longest held job are collected. If not, another question asks the total years worked for pay.

Each interview obtains the Respondent's current work status. At the Respondent's first interview questions ask the start date, industry, and occupation of their current job if they are working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date, occupation, and industry of the new one. If the Respondent reports a change in job title, then occupation and industry are asked, even if the employer is the same.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

Occupation codes for the AHEAD cohort (Waves 2A and 3A) differed from those collected from other cohorts. In Wave 4 only, both the AHEAD and HRS version of the codes are available for AHEAD Respondents, while only the HRS codes are available for other cohorts.

Before Wave 7, the occupation codes are based on 1980 Census occupations, assigned to one of 17 categories. From Wave 7-10, they are based on 2000 Census occupations, assigned to one of 24 categories. Beginning in Wave 10, they are based on 2010 Census occupations, assigned to one of 23 categories.

HRS Variables Used

```
HRS 1992:
    V3407           G5G6:OCC:1980 CENSUS OCC
    V3432           G19:OCC:1980 CENSUS OCC
    V3606           H5A6:OCC:1980 CENSUS OCC
AHEAD 1993:
    OCCG13B         G13. JOB LAST 2 YRS: OCCUPATION
    OCCG23B         G23. LONGER JOB: OCCUPATION TYPE
    OCCG3B          G3. CURRENT OCCUPATION
HRS 1994:
    W7007           G5/G6.OCCUPATION
    W7107           H5a/H6.OCCUPATION
AHEAD 1995:
    D2820M          GA39/42. OCCUPATION
    D3254M          GB15/16. OCCUPATION
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HRS 1996:
    E2666M          G24/G25. CURRENT OCC
    E2732M          G41A/G42. OCC
    E3134M          GG3A/GG6. OCC
    E3336M          GH5/GH6. OCC
HRS 1998:
    F3187AM         G25.CURRENT OCC  - AHD MASKED
    F3187HM         G25.CURRENT OCC  - HRS MASKED
    F3255AM         G42.OCC - AHD MASKED
    F3255HM         G42.OCC - HRS MASKED
    F3652AM         GG6.OCC - AHD MASKED
    F3652HM         GG6.OCC - HRS MASKED
    F3841AM         GH6.OCC - AHD MASKED
    F3841HM         GH6.OCC - HRS MASKED
HRS 2000:
    G3436M          G25.CURRENT OCC  - MASKED
    G3505M          G42.OCC - MASKED
    G3962M          GG6.OCC - MASKED
    G4103M          GH6.OCC - MASKED
HRS 2002:
    HK007M          TYPE WRK DONE - MASKED
HRS 2004:
    JK008M_00       INDUSTRY 2000 Census- MASKED
    JK010M_00       TYPE WRK DONE 2000 Census- MASKED
HRS 2010:
    MJ062M_10       CURRENT WORK DONE 2010 Census- MASKED
    MJ168M_10       TYPE WORK DONE 2010 Census- MASKED
HRS 2002-2004:
    xJ061M          CURRENT WORK DONE - MASKED
HRS 2002-2014:
    xL015M          TYPE WRK DONE - MASKED
HRS 2002-2022:
    xJ168M          OCCUPATION - MASKED
HRS 2004-2014:
    xK010M          TYPE WRK DONE - MASKED
HRS 2006-2012:
    xJ062M          CURRENT WORK DONE - MASKED
HRS 2016-2022:
    xJK010M         TYPE WRK DONE - MASKED
    xJL015_1M       TYPE WRK DONE - MASKED
    xJL015_2M       LONGEST HELD JOB TYPE WRK DONE - MASKED
```

Industry code for job with longest tenure

Wave	Variable	Label	Type
1	R1JLIND	R1JLIND:W1 Longest Job Industry/1980 Census	Categ
2	R2JLIND	R2JLIND:W2 Longest Job Industry/1980 Census	Categ
3	R3JLIND	R3JLIND:W3 Longest Job Industry/1980 Census	Categ
4	R4JLIND	R4JLIND:W4 Longest Job Industry/1980 Census	Categ
5	R5JLIND	R5JLIND:W5 Longest Job Industry/1980 Census	Categ
6	R6JLIND	R6JLIND:W6 Longest Job Industry/1980 Census	Categ
7	R7JLIND	R7JLIND:W7 Longest Job Industry/1980 Census	Categ
8	R8JLIND	R8JLIND:W8 Longest Job Industry/1980 Census	Categ
9	R9JLIND	R9JLIND:W9 Longest Job Industry/1980 Census	Categ
10	R10JLIND	R10JLIND:W10 Longest Job Industry/1980 Census	Categ
11	R11JLIND	R11JLIND:W11 Longest Job Industry/1980 Census	Categ
12	R12JLIND	R12JLIND:W12 Longest Job Industry/1980 Census	Categ
13	R13JLIND	R13JLIND:W13 Longest Job Industry/1980 Census	Categ
14	R14JLIND	R14JLIND:W14 Longest Job Industry/1980 Census	Categ
15	R15JLIND	R15JLIND:W15 Longest Job Industry/1980 Census	Categ
16	R16JLIND	R16JLIND:W16 Longest Job Industry/1980 Census	Categ
1	S1JLIND	S1JLIND:W1 Longest Job Industry/1980 Census	Categ
2	S2JLIND	S2JLIND:W2 Longest Job Industry/1980 Census	Categ
3	S3JLIND	S3JLIND:W3 Longest Job Industry/1980 Census	Categ
4	S4JLIND	S4JLIND:W4 Longest Job Industry/1980 Census	Categ
5	S5JLIND	S5JLIND:W5 Longest Job Industry/1980 Census	Categ
6	S6JLIND	S6JLIND:W6 Longest Job Industry/1980 Census	Categ
7	S7JLIND	S7JLIND:W7 Longest Job Industry/1980 Census	Categ
8	S8JLIND	S8JLIND:W8 Longest Job Industry/1980 Census	Categ
9	S9JLIND	S9JLIND:W9 Longest Job Industry/1980 Census	Categ
10	S10JLIND	S10JLIND:W10 Longest Job Industry/1980 Census	Categ
11	S11JLIND	S11JLIND:W11 Longest Job Industry/1980 Census	Categ
12	S12JLIND	S12JLIND:W12 Longest Job Industry/1980 Census	Categ
13	S13JLIND	S13JLIND:W13 Longest Job Industry/1980 Census	Categ
14	S14JLIND	S14JLIND:W14 Longest Job Industry/1980 Census	Categ
15	S15JLIND	S15JLIND:W15 Longest Job Industry/1980 Census	Categ
16	S16JLIND	S16JLIND:W16 Longest Job Industry/1980 Census	Categ
7	R7JLINDB	R7JLINDB:W7 Long Job Industry/2002 Census	Categ
8	R8JLINDB	R8JLINDB:W8 Long Job Industry/2002 Census	Categ
9	R9JLINDB	R9JLINDB:W9 Long Job Industry/2002 Census	Categ
10	R10JLINDB	R10JLINDB:W10 Long Job Industry/2002 Census	Categ
11	R11JLINDB	R11JLINDB:W11 Long Job Industry/2002 Census	Categ
12	R12JLINDB	R12JLINDB:W12 Long Job Industry/2002 Census	Categ
13	R13JLINDB	R13JLINDB:W13 Long Job Industry/2002 Census	Categ
14	R14JLINDB	R14JLINDB:W14 Long Job Industry/2002 Census	Categ
15	R15JLINDB	R15JLINDB:W15 Long Job Industry/2002 Census	Categ
16	R16JLINDB	R16JLINDB:W16 Long Job Industry/2002 Census	Categ
7	S7JLINDB	S7JLINDB:W7 Long Job Industry/2002 Census	Categ
8	S8JLINDB	S8JLINDB:W8 Long Job Industry/2002 Census	Categ
9	S9JLINDB	S9JLINDB:W9 Long Job Industry/2002 Census	Categ
10	S10JLINDB	S10JLINDB:W10 Long Job Industry/2002 Census	Categ
11	S11JLINDB	S11JLINDB:W11 Long Job Industry/2002 Census	Categ
12	S12JLINDB	S12JLINDB:W12 Long Job Industry/2002 Census	Categ
13	S13JLINDB	S13JLINDB:W13 Long Job Industry/2002 Census	Categ
14	S14JLINDB	S14JLINDB:W14 Long Job Industry/2002 Census	Categ
15	S15JLINDB	S15JLINDB:W15 Long Job Industry/2002 Census	Categ
16	S16JLINDB	S16JLINDB:W16 Long Job Industry/2002 Census	Categ
10	R10JLINDC	R10JLINDC:W10 Long Job Industry/2007 Census	Categ
11	R11JLINDC	R11JLINDC:W11 Long Job Industry/2007 Census	Categ
12	R12JLINDC	R12JLINDC:W12 Long Job Industry/2007 Census	Categ
13	R13JLINDC	R13JLINDC:W13 Long Job Industry/2007 Census	Categ
14	R14JLINDC	R14JLINDC:W14 Long Job Industry/2007 Census	Categ
15	R15JLINDC	R15JLINDC:W15 Long Job Industry/2007 Census	Categ
16	R16JLINDC	R16JLINDC:W16 Long Job Industry/2007 Census	Categ
10	S10JLINDC	S10JLINDC:W10 Long Job Industry/2007 Census	Categ
11	S11JLINDC	S11JLINDC:W11 Long Job Industry/2007 Census	Categ

12	S12JLINDC	S12JLINDC:W12 Long Job Industry/2007 Census	Categ
13	S13JLINDC	S13JLINDC:W13 Long Job Industry/2007 Census	Categ
14	S14JLINDC	S14JLINDC:W14 Long Job Industry/2007 Census	Categ
15	S15JLINDC	S15JLINDC:W15 Long Job Industry/2007 Census	Categ
16	S16JLINDC	S16JLINDC:W16 Long Job Industry/2007 Census	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JLIND	11195	7.41	3.77	1.0	13.0
R2JLIND	11802	7.48	3.79	1.0	13.0
R3JLIND	11366	7.50	3.78	1.0	13.0
R4JLIND	15388	7.57	3.77	1.0	13.0
R5JLIND	14440	7.61	3.77	1.0	13.0
R6JLIND	13850	7.65	3.78	1.0	13.0
R7JLIND	16133	7.69	3.78	1.0	13.0
R8JLIND	14905	7.74	3.77	1.0	13.0
R9JLIND	14003	7.77	3.77	1.0	13.0
R10JLIND	12952	7.80	3.76	1.0	13.0
R11JLIND	12041	7.86	3.75	1.0	13.0
R12JLIND	10819	7.89	3.75	1.0	13.0
R13JLIND	9359	7.93	3.74	1.0	13.0
R14JLIND	7566	8.02	3.73	1.0	13.0
R15JLIND	6698	8.07	3.73	1.0	13.0
R16JLIND	5386	8.11	3.71	1.0	13.0
S1JLIND	8809	7.27	3.78	1.0	13.0
S2JLIND	8895	7.31	3.81	1.0	13.0
S3JLIND	8444	7.33	3.80	1.0	13.0
S4JLIND	10972	7.40	3.80	1.0	13.0
S5JLIND	10265	7.45	3.80	1.0	13.0
S6JLIND	9651	7.48	3.80	1.0	13.0
S7JLIND	11112	7.53	3.81	1.0	13.0
S8JLIND	10029	7.55	3.80	1.0	13.0
S9JLIND	9119	7.58	3.80	1.0	13.0
S10JLIND	8195	7.63	3.79	1.0	13.0
S11JLIND	7365	7.69	3.79	1.0	13.0
S12JLIND	6330	7.71	3.78	1.0	13.0
S13JLIND	5219	7.73	3.79	1.0	13.0
S14JLIND	4052	7.80	3.77	1.0	13.0
S15JLIND	3503	7.82	3.77	1.0	13.0
S16JLIND	2697	7.85	3.75	1.0	13.0
R7JLINDB	3734	10.48	5.15	1.0	19.0
R8JLINDB	3624	10.55	5.15	1.0	19.0
R9JLINDB	4592	10.79	5.12	1.0	19.0
R10JLINDB	9583	10.83	5.09	1.0	19.0
R11JLINDB	8857	10.84	5.07	1.0	19.0
R12JLINDB	8250	10.86	5.05	1.0	19.0
R13JLINDB	7437	10.88	5.04	1.0	19.0
R14JLINDB	6202	10.94	5.02	1.0	19.0
R15JLINDB	5943	11.00	5.01	1.0	19.0
R16JLINDB	5114	11.05	4.98	1.0	19.0
S7JLINDB	2718	10.22	5.16	1.0	19.0
S8JLINDB	2687	10.29	5.18	1.0	19.0

S9JLINDB	3302	10.52	5.13	1.0	19.0
S10JLINDB	6423	10.50	5.09	1.0	19.0
S11JLINDB	5854	10.54	5.07	1.0	19.0
S12JLINDB	5328	10.56	5.06	1.0	19.0
S13JLINDB	4647	10.55	5.06	1.0	19.0
S14JLINDB	3697	10.60	5.03	1.0	19.0
S15JLINDB	3472	10.67	5.01	1.0	19.0
S16JLINDB	2871	10.73	5.02	1.0	19.0
R10JLINDC	5970	10.80	5.08	1.0	19.0
R11JLINDC	6011	10.85	5.04	1.0	19.0
R12JLINDC	5813	10.92	5.04	1.0	19.0
R13JLINDC	9979	11.03	5.00	1.0	19.0
R14JLINDC	8370	11.13	4.95	1.0	19.0
R15JLINDC	8035	11.17	4.95	1.0	19.0
R16JLINDC	9091	11.27	4.94	1.0	19.0
S10JLINDC	3932	10.48	5.09	1.0	19.0
S11JLINDC	4041	10.57	5.06	1.0	19.0
S12JLINDC	3811	10.65	5.06	1.0	19.0
S13JLINDC	6087	10.76	5.03	1.0	19.0
S14JLINDC	4917	10.90	4.98	1.0	19.0
S15JLINDC	4633	10.92	5.00	1.0	19.0
S16JLINDC	4723	10.92	5.00	1.0	19.0

Categorical Variable Codes

RwJLIND: Longest Job Industry/1980 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code							2	239	375	5722
.M=Oth missing	1431	4307	3805	3904	3421	2946	2915	2521	2220	2956
.Q=Not asked this wv	26	3533	2820	2092	1717	1369	1079	804	619	404
01.Agric/Forest/Fish	350	383	381	505	472	444	508	448	420	383
02.Mining and Constr	705	722	677	877	817	768	909	817	763	694
03.Mnfg: Non-durable	1009	1032	959	1285	1186	1161	1314	1184	1080	986
04.Mnfg: Durable	1419	1478	1414	1901	1746	1657	1853	1714	1592	1433
05.Transportation	891	918	892	1150	1065	1002	1218	1117	1045	991
06.Wholesale	400	409	409	516	482	449	543	499	478	454
07.Retail	1382	1428	1352	1872	1754	1616	1817	1678	1584	1430
08.Finan/Ins/RealEs	626	667	649	912	879	863	1005	943	890	855
09.Busns/Repair Svc	508	507	502	713	672	644	800	757	713	675
10.Personal Service	534	587	588	777	720	708	815	728	675	622
11.Entertn/Recreatn	126	131	131	191	184	192	217	200	183	169
12.Prof/Related Svcs	2564	2831	2754	3797	3621	3526	4156	3933	3719	3498
13.Public Administration	681	709	658	892	842	820	978	887	861	762

Value	w11	w12	w13	w14	w15	w16
.B=Other Census code	5746	5558	9123	7779	7513	8709
.M=Oth missing	2472	2168	2314	1743	1480	1676
.Q=Not asked this wv	295	202	116	58	32	16
01.Agric/Forest/Fish	339	287	261	195	168	134
02.Mining and Constr	624	553	461	349	315	237
03.Mnfg: Non-durable	932	846	716	564	495	380
04.Mnfg: Durable	1308	1161	970	781	671	541
05.Transportation	881	788	689	559	486	389
06.Wholesale	415	376	327	256	229	192

07.Retail	1327	1182	1015	811	685	553
08.Finan/Ins/RealEs	806	739	634	513	485	390
09.Busns/Repair Svc	628	569	499	413	359	303
10.Personal Service	583	510	446	367	315	249
11.Entertn/Recreatn	151	132	125	95	85	66
12.Prof/Related Svcs	3330	3032	2671	2197	2001	1627
13.Public Administration	717	644	545	466	404	325

SwJLIND: Longest Job Industry/1980 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code							1	213	312	3751
.M=Oth missing	1065	2330	2042	2053	1750	1467	1473	1246	1051	1482
.Q=Not asked this wv	26	1865	1431	955	715	521	386	247	164	85
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
01.Agric/Forest/Fish	293	311	305	384	357	333	371	321	295	258
02.Mining and Constr	592	595	554	692	653	600	700	633	565	500
03.Mnfg: Non-durable	799	788	723	941	856	812	913	804	711	628
04.Mnfg: Durable	1171	1191	1117	1438	1298	1220	1352	1234	1109	975
05.Transportation	732	727	688	854	801	743	893	805	744	673
06.Wholesale	326	327	327	405	377	343	412	371	338	314
07.Retail	1103	1069	1000	1295	1203	1104	1226	1092	987	859
08.Finan/Ins/RealEs	489	507	483	662	626	597	676	621	586	548
09.Busns/Repair Svc	383	365	366	507	479	461	557	513	466	435
10.Personal Service	358	347	345	420	395	381	433	374	327	292
11.Entertn/Recreatn	89	82	80	115	112	121	134	123	105	92
12.Prof/Related Svcs	1927	2032	1954	2616	2495	2356	2771	2544	2322	2121
13.Public Administration	547	554	502	643	613	580	674	594	564	500

Value	w11	w12	w13	w14	w15	w16
.B=Other Census code	3851	3614	5477	4507	4300	4487
.M=Oth missing	1208	1038	1068	794	673	655
.Q=Not asked this wv	60	30	15	5	1	1
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
01.Agric/Forest/Fish	224	183	157	118	98	70
02.Mining and Constr	432	367	302	213	191	140
03.Mnfg: Non-durable	577	497	407	308	259	203
04.Mnfg: Durable	849	734	587	461	393	297
05.Transportation	580	487	413	319	284	227
06.Wholesale	279	245	198	156	139	110
07.Retail	766	654	520	398	318	243
08.Finan/Ins/RealEs	509	445	372	296	271	208
09.Busns/Repair Svc	404	349	293	244	215	167
10.Personal Service	268	231	192	138	114	84
11.Entertn/Recreatn	80	66	60	47	39	27
12.Prof/Related Svcs	1937	1679	1394	1092	960	748
13.Public Administration	460	393	324	262	222	173

RwJLINDB: Long Job Industry/2002 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code										
.M=Oth missing							2679	2322	2043	2811
.P=From previous Census cod							12637	11719	9963	9236
.Q=Not asked this wv							1079	804	619	404
01.Agric/Forest/Fish/Huntin							97	94	108	170
02.Mining							17	18	23	40
03.Utilities							48	45	62	111
04.Construction							255	246	272	606
05.Manufacturing (continued							603	563	668	1424
06.Wholesale Trade							137	123	153	315
07.Retail Trade							292	299	380	807
08.Transport/Warehousing							158	155	196	472
09.Information							98	87	116	233
10.Finance/Insurance							165	161	198	361
11.Real Estate/Rental/Leasi							112	112	128	248
12.Prof/Scientific/Tech Svc							193	193	234	442
13.Mgmnt/Admin/Support/Wast							128	122	131	369
14.Educational Services							319	316	471	835
15.Health Care/Social Assis							481	460	644	1430
16.Arts/Entertain/Recreatio							66	67	72	172
17.Accomodations/Food Svcs							139	129	186	468
18.Other Svcs/Except PubAdm							249	264	309	588
19.PubAdmin/Active Duty Mil							177	170	241	492

Value	w11	w12	w13	w14	w15	w16
.B=Other Census code	326	361	2323	1809	1586	2155
.M=Oth missing	2496	2318	4562	3921	3744	5057
.P=From previous Census cod	8580	7616	6474	5156	4418	3445
.Q=Not asked this wv	295	202	116	58	32	16
01.Agric/Forest/Fish/Huntin	142	125	108	86	79	71
02.Mining	36	31	30	23	20	13
03.Utilities	105	99	89	83	78	67
04.Construction	556	510	450	357	349	270
05.Manufacturing (continued	1303	1224	1106	901	840	721
06.Wholesale Trade	299	278	244	209	194	162
07.Retail Trade	769	705	626	513	482	415
08.Transport/Warehousing	432	401	355	296	280	249
09.Information	211	193	175	156	152	136
10.Finance/Insurance	340	321	303	258	254	227
11.Real Estate/Rental/Leasi	239	221	203	157	153	121
12.Prof/Scientific/Tech Svc	407	379	342	291	292	250
13.Mgmnt/Admin/Support/Wast	334	315	279	230	210	179
14.Educational Services	779	740	690	607	587	536
15.Health Care/Social Assis	1323	1250	1124	936	913	798
16.Arts/Entertain/Recreatio	161	149	135	108	105	84
17.Accomodations/Food Svcs	424	390	353	296	287	238
18.Other Svcs/Except PubAdm	539	495	447	373	360	302
19.PubAdmin/Active Duty Mil	458	424	378	322	308	275

SwJLINDB: Long Job Industry/2002 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code										
.M=Oth missing							1367	1166	989	1437
.P=From previous Census cod							8501	7635	6191	5568
.Q=Not asked this wv							386	247	164	85
.U=Unmarried							6777	6417	6206	7797
.V=Spouse NR							380	317	365	724
01.Agric/Forest/Fish/Huntin							79	78	87	128
02.Mining							15	18	20	33
03.Utilities							39	37	52	87
04.Construction							201	201	216	446
05.Manufacturing (continued							463	443	503	1017
06.Wholesale Trade							101	94	107	228
07.Retail Trade							217	219	274	535
08.Transport/Warehousing							115	115	148	327
09.Information							63	55	76	153
10.Finance/Insurance							128	125	154	264
11.Real Estate/Rental/Leasi							78	79	97	174
12.Prof/Scientific/Tech Svc							147	142	175	319
13.Mgmnt/Admin/Support/Wast							86	86	90	231
14.Educational Services							235	242	342	570
15.Health Care/Social Assis							313	303	412	841
16.Arts/Entertain/Recreatio							51	53	57	114
17.Accomodations/Food Svcs							93	92	123	285
18.Other Svcs/Except PubAdm							177	191	209	360
19.PubAdmin/Active Duty Mil							117	114	160	311

Value	w11	w12	w13	w14	w15	w16
.B=Other Census code	257	271	1427	1082	960	1112
.M=Oth missing	1315	1219	2364	2046	1956	2332
.P=From previous Census cod	4998	4164	3326	2528	2088	1524
.Q=Not asked this wv	60	30	15	5	1	1
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
01.Agric/Forest/Fish/Huntin	101	94	80	63	51	50
02.Mining	29	22	21	15	10	7
03.Utilities	78	73	67	58	51	46
04.Construction	418	370	318	234	222	169
05.Manufacturing (continued	902	821	732	571	530	427
06.Wholesale Trade	218	198	172	139	133	106
07.Retail Trade	494	443	385	305	284	225
08.Transport/Warehousing	293	265	211	171	151	134
09.Information	139	126	114	90	92	78
10.Finance/Insurance	251	235	215	180	175	157
11.Real Estate/Rental/Leasi	165	149	135	100	90	66
12.Prof/Scientific/Tech Svc	292	263	227	190	185	147
13.Mgmnt/Admin/Support/Wast	214	197	175	139	130	101
14.Educational Services	528	490	435	368	356	313
15.Health Care/Social Assis	753	700	592	472	439	368
16.Arts/Entertain/Recreatio	98	86	76	55	52	40
17.Accomodations/Food Svcs	256	235	197	157	154	131
18.Other Svcs/Except PubAdm	331	297	263	206	186	150
19.PubAdmin/Active Duty Mil	294	264	232	184	181	156

RwJLINDC: Long Job Industry/2007 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.J=Web interview, missing										
.M=Oth missing										3110
.P=From previous Census cod										12954
01.Agric/Forest/Fish/Huntin										112
02.Mining										19
03.Utilities										58
04.Construction										402
05.Manufacturing (continued										871
06.Wholesale Trade										196
07.Retail Trade										513
08.Transport/Warehousing										309
09.Information										138
10.Finance/Insurance										214
11.Real Estate/Rental/Leasi										158
12.Prof/Scientific/Tech Svc										301
13.Mgmnt/Admin/Support/Wast										266
14.Educational Services										424
15.Health Care/Social Assis										904
16.Arts/Entertain/Recreatio										118
17.Accomodations/Food Svcs										309
18.Other Svcs/Except PubAdm										374
19.PubAdmin/Active Duty Mil										284

Value	w11	w12	w13	w14	w15	w16
.J=Web interview, missing				65	105	51
.M=Oth missing	2563	2204	2311	1658	1339	1597
.P=From previous Census cod	11980	10730	8622	7053	6244	5048
01.Agric/Forest/Fish/Huntin	102	98	129	96	91	101
02.Mining	16	11	30	20	19	23
03.Utilities	54	50	83	76	72	76
04.Construction	407	387	649	511	494	528
05.Manufacturing (continued	852	816	1383	1113	1040	1184
06.Wholesale Trade	210	198	315	266	263	269
07.Retail Trade	507	484	802	675	639	691
08.Transport/Warehousing	319	308	537	437	425	488
09.Information	129	126	211	190	181	211
10.Finance/Insurance	218	214	405	337	317	363
11.Real Estate/Rental/Leasi	167	153	240	202	198	196
12.Prof/Scientific/Tech Svc	313	295	494	444	441	488
13.Mgmnt/Admin/Support/Wast	267	262	445	383	363	449
14.Educational Services	436	429	852	736	699	835
15.Health Care/Social Assis	930	920	1586	1347	1305	1492
16.Arts/Entertain/Recreatio	122	117	186	163	154	157
17.Accomodations/Food Svcs	311	303	567	476	456	512
18.Other Svcs/Except PubAdm	375	370	561	488	470	535
19.PubAdmin/Active Duty Mil	276	272	504	410	408	493

SwJLINDC: Long Job Industry/2007 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.J=Web interview, missing										
.M=Oth missing										1495
.P=From previous Census cod										8086
.U=Unmarried										7797
.V=Spouse NR										724
01.Agric/Forest/Fish/Huntin										88
02.Mining										17
03.Utilities										46
04.Construction										285
05.Manufacturing (continued										610
06.Wholesale Trade										134
07.Retail Trade										336
08.Transport/Warehousing										207
09.Information										92
10.Finance/Insurance										151
11.Real Estate/Rental/Leasi										116
12.Prof/Scientific/Tech Svc										222
13.Mgmnt/Admin/Support/Wast										163
14.Educational Services										280
15.Health Care/Social Assis										513
16.Arts/Entertain/Recreatio										79
17.Accomodations/Food Svcs										186
18.Other Svcs/Except PubAdm										232
19.PubAdmin/Active Duty Mil										175

Value	w11	w12	w13	w14	w15	w16
.J=Web interview, missing				49	62	36
.M=Oth missing	1216	1024	1057	731	591	609
.P=From previous Census cod	7227	6177	4635	3661	3191	2472
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
01.Agric/Forest/Fish/Huntin	77	76	92	68	60	69
02.Mining	14	10	20	13	12	14
03.Utilities	41	37	58	54	51	46
04.Construction	299	274	443	324	317	312
05.Manufacturing (continued	607	558	887	676	635	682
06.Wholesale Trade	152	138	209	165	162	146
07.Retail Trade	336	315	496	414	373	353
08.Transport/Warehousing	214	200	305	248	235	232
09.Information	89	88	149	124	110	119
10.Finance/Insurance	160	159	248	198	188	208
11.Real Estate/Rental/Leasi	122	114	154	118	107	98
12.Prof/Scientific/Tech Svc	228	210	319	281	278	278
13.Mgmnt/Admin/Support/Wast	176	163	263	216	204	225
14.Educational Services	291	276	529	450	421	454
15.Health Care/Social Assis	545	526	865	709	644	660
16.Arts/Entertain/Recreatio	74	71	109	94	88	83
17.Accomodations/Food Svcs	194	188	301	244	238	232
18.Other Svcs/Except PubAdm	246	235	343	285	271	265
19.PubAdmin/Active Duty Mil	176	173	297	236	239	247

How Constructed

The industry code for the job with the longest reported tenure is assigned once the job with the longest tenure is identified. It can be the current job, a past job held since the first interview, or a job reported in the job history data. The job history questions were not asked in Waves 2A or 3A. For those in the AHEAD entry cohort, job history information was collected at Wave 4.

The industry of any job held in Waves 1, 2H, 3H and 4 is usually available. In Waves 2A and 3A, industry information is NOT

collected for any job.

RwJLIND is set to the industry code associated with the longest-held job reported. Industry codes are simply recoded for missing values.

From Wave 7-10, HRS uses a different set of industry codes, based on the 2002 Census. And from Wave 10 forward, HRS uses a set of industry codes based on the 2007 Census. Before Wave 7 there are 13 possible industry codes; from Wave 7 forward, there are 19 codes. RwJLINDB begins with R7JLINDB and provides the 2002 code set. RwJLINDC begins with R10JLINDC and provides the 2007 code set.

If the longest tenured job is not a job for which industry is reported in Wave 7, then R7JLINDB is set to .P, for industry taken from prior wave and R7JLIND provides the 1980 Census-based industry. If the longest tenured job provides an industry code in Wave 7 and is one that continues from prior wave, the Respondent may have values for both R7JLIND and R7JLINDB. If the longest tenured job's industry is only reported in Wave 7, then R7JLIND is set to .B, to indicate that the industry code for the longest tenured job is taken from Wave 7 when HRS begins to use the 2002 Census industries, which R7JLINDB provides.

If the longest tenured job is not a job for which industry is reported in Wave 10, then R10JLINDC is set to .P, for industry taken from prior wave and R10JLIND provides the 1980 Census-based industry or R10JLINDB provides the 2002 Census-based industry code. If the longest tenured job provides an industry code in Wave 10 and is one that continues from prior wave, the Respondent may have values for R10JLIND, R10JLINDB and R10JLINDC. If the longest tenured job's industry is only reported in Wave 10, then R10JLIND and R10JLINDB are set to .B, to indicate that the industry code for the longest tenured job is taken from Wave 10 when HRS begins to use the 2007 Census industries, which R10JLINDC provides.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJLIND , RwJLINDB and RwJLINDC.

Cross Wave Differences in Original HRS Data

Questions at each interview ask the Respondent's current work status and job change information. Generally at a Respondent's first interview, information about past jobs is obtained. The types of information, question wording, and general structure of questions on job transitions and history are similar across waves but some of the details vary. For the AHEAD entry cohort, the complete set of job history questions are not asked in Waves 2A and 3A, but are asked for the first time at Wave 4.

At the Respondent's first interview, or Wave 4 for the AHEAD entry cohort, questions are asked about past jobs. If the Respondent is not working, then information is gathered about their last job, if there is one. If the last job ended more than 20 years ago, the amount of information gathered is very limited. Otherwise, questions ask about the starting date, occupation, and industry of the last job. Whether the Respondent is working or not, questions also ask about jobs held 5 or more years, besides the current or last job. If the Respondent has at least one other past job held 5 or more years, the start and stop months, occupation, and industry are collected for the most recent one. If there is more than one 5-year job, then a question asks:

Besides the jobs you have already told me about, have you worked for any other employer where you were included in a pension or retirement plan, or in a tax-deferred savings plan of some sort?

If the Respondent answers yes, then the start and stop years of up to two of these jobs are obtained, but industry and occupation are not asked. Altogether the retrospective job history can provide information on up to 3 jobs and a last job, if the Respondent is unemployed. The 3 jobs will only include the most recent past job that lasted at least 5 years, and 2 more that offered pension or retirement plans.

In Wave 2A, if the Respondent is not working but has worked during the last two years, information about that last job is collected, including start and stop dates and occupation. Industry of the last job is not available. In addition, most people are asked if they ever worked for ten or more years. If so they are then asked if they worked for one employer for ten or more years, and if so, the occupation and number of years at the longest held job are collected. If not, another question asks the total years worked for pay.

Each interview obtains the Respondent's current work status. At the Respondent's first interview questions ask the start date, industry, and occupation of their current job if they are working. At subsequent interviews, changes in work status, self-employment

status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date, occupation, and industry of the new one. If the Respondent reports a change in job title, then occupation and industry are asked, even if the employer is the same. Note that in Waves 2A and 3A, industry information is NOT collected for any job.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

Before Wave 7, the industry codes are based on those used in the 1980 Census, assigned to one of 13 categories. From Wave 7-10, they are based on 2002 Census industries, assigned to one of 19 categories. From Wave 10 forward, they are based on 2007 Census industries, also assigned to one of 19 categories.

HRS Variables Used

```
HRS 1992:
    V3406           G4:IND:1980 CENSUS IND
    V3431           G18:IND:1980 CENSUS IND
    V3605           H5:IND:1980 CENSUS IND
HRS 1994:
    W7006           G4.INDUSTRY
    W7106           H5.INDUSTRY
HRS 1996:
    E2730M          G41A/G42. IND
    E3131M          GG3A/GG6. IND
    E3334M          GH5/GH6. IND
HRS 1998:
    F3253M          G41A.IND - MASKED
    F3650M          GG4.IND - MASKED
    F3839M          GH5.IND - MASKED
HRS 2000:
    G3503M          G41A.IND - MASKED
    G3960M          GG4.IND - MASKED
    G4101M          GH5.IND - MASKED
HRS 2004:
    JJ166M_00       WORK IN WHAT INDUSTRY 2000 Census-MASKED
    JL013M_00       INDUSTRY 2000 Census- MASKED
HRS 2010:
    MJ166M_10       WORK IN WHAT INDUSTRY  2007 Census-MASKED
    ML013M_10       INDUSTRY 2007 Census - MASKED
HRS 2002-2014:
    xL013M          INDUSTRY - MASKED
HRS 2002-2022:
    xJ166M          WORK IN WHAT INDUSTRY - MASKED
HRS 2004-2014:
    xK008M          INDUSTRY - MASKED
HRS 2016-2022:
    xJK008M         INDUSTRY - MASKED
    xJL013_1M       INDUSTRY - MASKED
    xJL013_2M       LONGEST HELD JOB INDUSTRY - MASKED
```

Job History Status

Wave	Variable	Label	Type
1	R1JJOBS	R1JJOBS:W1 Status of R Job History	Categ
2	R2JJOBS	R2JJOBS:W2 Status of R Job History	Categ
3	R3JJOBS	R3JJOBS:W3 Status of R Job History	Categ
4	R4JJOBS	R4JJOBS:W4 Status of R Job History	Categ
5	R5JJOBS	R5JJOBS:W5 Status of R Job History	Categ
6	R6JJOBS	R6JJOBS:W6 Status of R Job History	Categ
7	R7JJOBS	R7JJOBS:W7 Status of R Job History	Categ
8	R8JJOBS	R8JJOBS:W8 Status of R Job History	Categ
9	R9JJOBS	R9JJOBS:W9 Status of R Job History	Categ
10	R10JJOBS	R10JJOBS:W10 Status of R Job History	Categ
11	R11JJOBS	R11JJOBS:W11 Status of R Job History	Categ
12	R12JJOBS	R12JJOBS:W12 Status of R Job History	Categ
13	R13JJOBS	R13JJOBS:W13 Status of R Job History	Categ
14	R14JJOBS	R14JJOBS:W14 Status of R Job History	Categ
15	R15JJOBS	R15JJOBS:W15 Status of R Job History	Categ
16	R16JJOBS	R16JJOBS:W16 Status of R Job History	Categ
1	S1JJOBS	S1JJOBS:W1 Status of S Job History	Categ
2	S2JJOBS	S2JJOBS:W2 Status of S Job History	Categ
3	S3JJOBS	S3JJOBS:W3 Status of S Job History	Categ
4	S4JJOBS	S4JJOBS:W4 Status of S Job History	Categ
5	S5JJOBS	S5JJOBS:W5 Status of S Job History	Categ
6	S6JJOBS	S6JJOBS:W6 Status of S Job History	Categ
7	S7JJOBS	S7JJOBS:W7 Status of S Job History	Categ
8	S8JJOBS	S8JJOBS:W8 Status of S Job History	Categ
9	S9JJOBS	S9JJOBS:W9 Status of S Job History	Categ
10	S10JJOBS	S10JJOBS:W10 Status of S Job History	Categ
11	S11JJOBS	S11JJOBS:W11 Status of S Job History	Categ
12	S12JJOBS	S12JJOBS:W12 Status of S Job History	Categ
13	S13JJOBS	S13JJOBS:W13 Status of S Job History	Categ
14	S14JJOBS	S14JJOBS:W14 Status of S Job History	Categ
15	S15JJOBS	S15JJOBS:W15 Status of S Job History	Categ
16	S16JJOBS	S16JJOBS:W16 Status of S Job History	Categ
1	R1JNJOB	R1JNJOB:W1 # Jobs Reported	Cont
2	R2JNJOB	R2JNJOB:W2 # Jobs Reported	Cont
3	R3JNJOB	R3JNJOB:W3 # Jobs Reported	Cont
4	R4JNJOB	R4JNJOB:W4 # Jobs Reported	Cont
5	R5JNJOB	R5JNJOB:W5 # Jobs Reported	Cont
6	R6JNJOB	R6JNJOB:W6 # Jobs Reported	Cont
7	R7JNJOB	R7JNJOB:W7 # Jobs Reported	Cont
8	R8JNJOB	R8JNJOB:W8 # Jobs Reported	Cont
9	R9JNJOB	R9JNJOB:W9 # Jobs Reported	Cont
10	R10JNJOB	R10JNJOB:W10 # Jobs Reported	Cont
11	R11JNJOB	R11JNJOB:W11 # Jobs Reported	Cont
12	R12JNJOB	R12JNJOB:W12 # Jobs Reported	Cont
13	R13JNJOB	R13JNJOB:W13 # Jobs Reported	Cont
14	R14JNJOB	R14JNJOB:W14 # Jobs Reported	Cont
15	R15JNJOB	R15JNJOB:W15 # Jobs Reported	Cont
16	R16JNJOB	R16JNJOB:W16 # Jobs Reported	Cont
1	S1JNJOB	S1JNJOB:W1 # Jobs Reported	Cont
2	S2JNJOB	S2JNJOB:W2 # Jobs Reported	Cont
3	S3JNJOB	S3JNJOB:W3 # Jobs Reported	Cont
4	S4JNJOB	S4JNJOB:W4 # Jobs Reported	Cont
5	S5JNJOB	S5JNJOB:W5 # Jobs Reported	Cont
6	S6JNJOB	S6JNJOB:W6 # Jobs Reported	Cont
7	S7JNJOB	S7JNJOB:W7 # Jobs Reported	Cont
8	S8JNJOB	S8JNJOB:W8 # Jobs Reported	Cont
9	S9JNJOB	S9JNJOB:W9 # Jobs Reported	Cont
10	S10JNJOB	S10JNJOB:W10 # Jobs Reported	Cont
11	S11JNJOB	S11JNJOB:W11 # Jobs Reported	Cont
12	S12JNJOB	S12JNJOB:W12 # Jobs Reported	Cont
13	S13JNJOB	S13JNJOB:W13 # Jobs Reported	Cont
14	S14JNJOB	S14JNJOB:W14 # Jobs Reported	Cont
15	S15JNJOB	S15JNJOB:W15 # Jobs Reported	Cont

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16    S16JNJOB            S16JNJOB:W16 # Jobs Reported                                  Cont

 1    R1JMISS             R1JMISS:W1 # Jobs with missing dates                          Cont
 2    R2JMISS             R2JMISS:W2 # Jobs with missing dates                          Cont
 3    R3JMISS             R3JMISS:W3 # Jobs with missing dates                          Cont
 4    R4JMISS             R4JMISS:W4 # Jobs with missing dates                          Cont
 5    R5JMISS             R5JMISS:W5 # Jobs with missing dates                          Cont
 6    R6JMISS             R6JMISS:W6 # Jobs with missing dates                          Cont
 7    R7JMISS             R7JMISS:W7 # Jobs with missing dates                          Cont
 8    R8JMISS             R8JMISS:W8 # Jobs with missing dates                          Cont
 9    R9JMISS             R9JMISS:W9 # Jobs with missing dates                          Cont
10    R10JMISS            R10JMISS:W10 # Jobs with missing dates                        Cont
11    R11JMISS            R11JMISS:W11 # Jobs with missing dates                        Cont
12    R12JMISS            R12JMISS:W12 # Jobs with missing dates                        Cont
13    R13JMISS            R13JMISS:W13 # Jobs with missing dates                        Cont
14    R14JMISS            R14JMISS:W14 # Jobs with missing dates                        Cont
15    R15JMISS            R15JMISS:W15 # Jobs with missing dates                        Cont
16    R16JMISS            R16JMISS:W16 # Jobs with missing dates                        Cont

 1    S1JMISS             S1JMISS:W1 # Jobs with missing dates                          Cont
 2    S2JMISS             S2JMISS:W2 # Jobs with missing dates                          Cont
 3    S3JMISS             S3JMISS:W3 # Jobs with missing dates                          Cont
 4    S4JMISS             S4JMISS:W4 # Jobs with missing dates                          Cont
 5    S5JMISS             S5JMISS:W5 # Jobs with missing dates                          Cont
 6    S6JMISS             S6JMISS:W6 # Jobs with missing dates                          Cont
 7    S7JMISS             S7JMISS:W7 # Jobs with missing dates                          Cont
 8    S8JMISS             S8JMISS:W8 # Jobs with missing dates                          Cont
 9    S9JMISS             S9JMISS:W9 # Jobs with missing dates                          Cont
10    S10JMISS            S10JMISS:W10 # Jobs with missing dates                        Cont
11    S11JMISS            S11JMISS:W11 # Jobs with missing dates                        Cont
12    S12JMISS            S12JMISS:W12 # Jobs with missing dates                        Cont
13    S13JMISS            S13JMISS:W13 # Jobs with missing dates                        Cont
14    S14JMISS            S14JMISS:W14 # Jobs with missing dates                        Cont
15    S15JMISS            S15JMISS:W15 # Jobs with missing dates                        Cont
16    S16JMISS            S16JMISS:W16 # Jobs with missing dates                        Cont

 1    R1JNJOB5            R1JNJOB5:W1 # 5+ year-jobs reported                           Cont
 2    R2JNJOB5            R2JNJOB5:W2 # 5+ year-jobs reported                           Cont
 3    R3JNJOB5            R3JNJOB5:W3 # 5+ year-jobs reported                           Cont
 4    R4JNJOB5            R4JNJOB5:W4 # 5+ year-jobs reported                           Cont
 5    R5JNJOB5            R5JNJOB5:W5 # 5+ year-jobs reported                           Cont
 6    R6JNJOB5            R6JNJOB5:W6 # 5+ year-jobs reported                           Cont
 7    R7JNJOB5            R7JNJOB5:W7 # 5+ year-jobs reported                           Cont
 8    R8JNJOB5            R8JNJOB5:W8 # 5+ year-jobs reported                           Cont
 9    R9JNJOB5            R9JNJOB5:W9 # 5+ year-jobs reported                           Cont
10    R10JNJOB5           R10JNJOB5:W10 # 5+ year-jobs reported                         Cont
11    R11JNJOB5           R11JNJOB5:W11 # 5+ year-jobs reported                         Cont
12    R12JNJOB5           R12JNJOB5:W12 # 5+ year-jobs reported                         Cont
13    R13JNJOB5           R13JNJOB5:W13 # 5+ year-jobs reported                         Cont
14    R14JNJOB5           R14JNJOB5:W14 # 5+ year-jobs reported                         Cont
15    R15JNJOB5           R15JNJOB5:W15 # 5+ year-jobs reported                         Cont
16    R16JNJOB5           R16JNJOB5:W16 # 5+ year-jobs reported                         Cont

 1    S1JNJOB5            S1JNJOB5:W1 # 5+ year-jobs reported                           Cont
 2    S2JNJOB5            S2JNJOB5:W2 # 5+ year-jobs reported                           Cont
 3    S3JNJOB5            S3JNJOB5:W3 # 5+ year-jobs reported                           Cont
 4    S4JNJOB5            S4JNJOB5:W4 # 5+ year-jobs reported                           Cont
 5    S5JNJOB5            S5JNJOB5:W5 # 5+ year-jobs reported                           Cont
 6    S6JNJOB5            S6JNJOB5:W6 # 5+ year-jobs reported                           Cont
 7    S7JNJOB5            S7JNJOB5:W7 # 5+ year-jobs reported                           Cont
 8    S8JNJOB5            S8JNJOB5:W8 # 5+ year-jobs reported                           Cont
 9    S9JNJOB5            S9JNJOB5:W9 # 5+ year-jobs reported                           Cont
10    S10JNJOB5           S10JNJOB5:W10 # 5+ year-jobs reported                         Cont
11    S11JNJOB5           S11JNJOB5:W11 # 5+ year-jobs reported                         Cont
12    S12JNJOB5           S12JNJOB5:W12 # 5+ year-jobs reported                         Cont
13    S13JNJOB5           S13JNJOB5:W13 # 5+ year-jobs reported                         Cont
14    S14JNJOB5           S14JNJOB5:W14 # 5+ year-jobs reported                         Cont
15    S15JNJOB5           S15JNJOB5:W15 # 5+ year-jobs reported                         Cont
16    S16JNJOB5           S16JNJOB5:W16 # 5+ year-jobs reported                         Cont
```

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JJOBS	12652	2.09	1.36	0.0	9.0
R2JJOBS	19642	2.46	1.98	0.0	9.0
R3JJOBS	17991	2.44	1.94	0.0	9.0
R4JJOBS	21384	2.35	1.79	0.0	9.0
R5JJOBS	19578	2.36	1.79	0.0	9.0
R6JJOBS	18165	2.35	1.76	0.0	9.0
R7JJOBS	20129	2.27	1.64	0.0	9.0
R8JJOBS	18469	2.26	1.60	0.0	9.0
R9JJOBS	17217	2.24	1.55	0.0	9.0
R10JJOBS	22034	2.17	1.54	0.0	9.0
R11JJOBS	20554	2.15	1.46	0.0	9.0
R12JJOBS	18747	2.15	1.43	0.0	9.0
R13JJOBS	20912	2.10	1.37	0.0	9.0
R14JJOBS	17146	2.06	1.26	0.0	9.0
R15JJOBS	15723	2.07	1.25	0.0	9.0
R16JJOBS	15787	2.06	1.31	0.0	9.0
S1JJOBS	9900	2.08	1.31	0.0	9.0
S2JJOBS	13090	2.34	1.75	0.0	9.0
S3JJOBS	11917	2.35	1.75	0.0	9.0
S4JJOBS	13980	2.29	1.63	0.0	9.0
S5JJOBS	12730	2.29	1.62	0.0	9.0
S6JJOBS	11639	2.28	1.59	0.0	9.0
S7JJOBS	12972	2.20	1.45	0.0	9.0
S8JJOBS	11735	2.19	1.42	0.0	9.0
S9JJOBS	10646	2.18	1.37	0.0	9.0
S10JJOBS	13513	2.13	1.38	0.0	9.0
S11JJOBS	12484	2.12	1.32	0.0	9.0
S12JJOBS	11012	2.12	1.29	0.0	9.0
S13JJOBS	11779	2.08	1.26	0.0	9.0
S14JJOBS	9358	2.04	1.16	0.0	9.0
S15JJOBS	8477	2.05	1.14	0.0	9.0
S16JJOBS	7840	2.03	1.13	0.0	9.0
R1JNJOB	12652	1.76	1.08	0.0	6.0
R2JNJOB	19642	1.56	1.13	0.0	7.0
R3JNJOB	17991	1.67	1.21	0.0	8.0
R4JNJOB	21384	1.81	1.28	0.0	8.0
R5JNJOB	19578	1.91	1.36	0.0	9.0
R6JNJOB	18165	2.03	1.44	0.0	10.0
R7JNJOB	20129	2.09	1.47	0.0	10.0
R8JNJOB	18469	2.20	1.53	0.0	11.0
R9JNJOB	17217	2.28	1.58	0.0	11.0
R10JNJOB	22034	2.24	1.58	0.0	11.0
R11JNJOB	20554	2.34	1.61	0.0	12.0
R12JNJOB	18747	2.44	1.66	0.0	12.0
R13JNJOB	20912	2.42	1.66	0.0	12.0
R14JNJOB	17146	2.53	1.71	0.0	13.0
R15JNJOB	15723	2.64	1.75	0.0	13.0
R16JNJOB	15787	2.59	1.77	0.0	14.0
S1JNJOB	9900	1.77	1.07	0.0	6.0
S2JNJOB	13090	1.67	1.14	0.0	7.0
S3JNJOB	11917	1.78	1.23	0.0	8.0
S4JNJOB	13980	1.91	1.28	0.0	8.0
S5JNJOB	12730	2.02	1.36	0.0	9.0

S6JNJOB	11639	2.15	1.45	0.0	10.0
S7JNJOB	12972	2.20	1.47	0.0	10.0
S8JNJOB	11735	2.31	1.54	0.0	11.0
S9JNJOB	10646	2.40	1.58	0.0	11.0
S10JNJOB	13513	2.32	1.57	0.0	11.0
S11JNJOB	12484	2.41	1.60	0.0	12.0
S12JNJOB	11012	2.51	1.65	0.0	12.0
S13JNJOB	11779	2.49	1.65	0.0	12.0
S14JNJOB	9358	2.60	1.69	0.0	12.0
S15JNJOB	8477	2.69	1.73	0.0	13.0
S16JNJOB	7840	2.67	1.75	0.0	13.0
R1JMISS	12156	0.27	0.67	0.0	6.0
R2JMISS	14140	0.40	0.84	0.0	6.0
R3JMISS	13494	0.41	0.86	0.0	7.0
R4JMISS	17848	0.46	0.90	0.0	7.0
R5JMISS	16440	0.46	0.91	0.0	7.0
R6JMISS	15506	0.46	0.90	0.0	7.0
R7JMISS	17847	0.44	0.87	0.0	7.0
R8JMISS	16570	0.44	0.87	0.0	7.0
R9JMISS	15633	0.43	0.86	0.0	7.0
R10JMISS	20525	0.42	0.85	0.0	7.0
R11JMISS	19318	0.42	0.86	0.0	7.0
R12JMISS	17729	0.43	0.86	0.0	7.0
R13JMISS	20048	0.46	0.88	0.0	7.0
R14JMISS	16564	0.46	0.87	0.0	7.0
R15JMISS	15229	0.47	0.88	0.0	7.0
R16JMISS	15329	0.50	0.90	0.0	7.0
S1JMISS	9522	0.27	0.67	0.0	6.0
S2JMISS	10275	0.39	0.83	0.0	6.0
S3JMISS	9603	0.39	0.84	0.0	6.0
S4JMISS	12219	0.43	0.88	0.0	6.0
S5JMISS	11251	0.43	0.88	0.0	6.0
S6JMISS	10433	0.43	0.87	0.0	6.0
S7JMISS	11956	0.41	0.85	0.0	6.0
S8JMISS	10920	0.41	0.84	0.0	6.0
S9JMISS	9994	0.40	0.83	0.0	6.0
S10JMISS	12864	0.41	0.83	0.0	6.0
S11JMISS	11938	0.41	0.84	0.0	6.0
S12JMISS	10578	0.41	0.84	0.0	6.0
S13JMISS	11416	0.45	0.87	0.0	6.0
S14JMISS	9120	0.45	0.86	0.0	7.0
S15JMISS	8247	0.46	0.88	0.0	7.0
S16JMISS	7676	0.49	0.90	0.0	7.0
R1JNJOB5	12652	1.38	1.07	0.0	6.0
R2JNJOB5	19616	1.05	1.16	0.0	7.0
R3JNJOB5	17983	1.13	1.19	0.0	7.0
R4JNJOB5	21384	1.28	1.21	0.0	7.0
R5JNJOB5	19578	1.34	1.23	0.0	7.0
R6JNJOB5	18165	1.40	1.25	0.0	7.0
R7JNJOB5	20129	1.45	1.24	0.0	8.0
R8JNJOB5	18469	1.51	1.25	0.0	8.0
R9JNJOB5	17217	1.56	1.26	0.0	8.0
R10JNJOB5	22034	1.57	1.28	0.0	8.0
R11JNJOB5	20554	1.63	1.29	0.0	8.0
R12JNJOB5	18747	1.67	1.30	0.0	8.0
R13JNJOB5	20912	1.67	1.31	0.0	8.0

R14JNJOB5	17146	1.72	1.31	0.0	8.0
R15JNJOB5	15723	1.78	1.33	0.0	8.0
R16JNJOB5	15787	1.75	1.34	0.0	9.0
S1JNJOB5	9900	1.40	1.07	0.0	6.0
S2JNJOB5	13072	1.19	1.17	0.0	7.0
S3JNJOB5	11912	1.26	1.18	0.0	7.0
S4JNJOB5	13980	1.40	1.19	0.0	7.0
S5JNJOB5	12730	1.46	1.21	0.0	7.0
S6JNJOB5	11639	1.52	1.22	0.0	7.0
S7JNJOB5	12972	1.56	1.21	0.0	8.0
S8JNJOB5	11735	1.62	1.23	0.0	8.0
S9JNJOB5	10646	1.68	1.24	0.0	8.0
S10JNJOB5	13513	1.66	1.26	0.0	8.0
S11JNJOB5	12484	1.71	1.27	0.0	8.0
S12JNJOB5	11012	1.75	1.29	0.0	8.0
S13JNJOB5	11779	1.75	1.30	0.0	8.0
S14JNJOB5	9358	1.80	1.31	0.0	7.0
S15JNJOB5	8477	1.85	1.32	0.0	8.0
S16JNJOB5	7840	1.85	1.33	0.0	8.0

Categorical Variable Codes

RwJJOBS: Status of R Job History

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Never worked	496	863	807	1030	872	757	811	705	637	1024
1.Worked, no 5+ year jobs	1237	1022	861	1086	980	884	1225	1055	966	1607
2.Worked, 1+ job for 5+ yrs	10365	15919	14687	17558	16154	15110	16769	15541	14589	18205
8.Worked, DK if any 5+ yr j	541	1015	998	1355	1237	1124	1072	971	865	898
9.DK if worked	13	823	638	355	335	290	252	197	160	300

Value	w11	w12	w13	w14	w15	w16
0.Never worked	896	758	940	755	628	764
1.Worked, no 5+ year jobs	1447	1277	1661	1320	1135	1208
2.Worked, 1+ job for 5+ yrs	17169	15794	17411	14448	13397	13209
8.Worked, DK if any 5+ yr j	907	811	764	577	519	530
9.DK if worked	135	107	136	46	44	76

SwJJOBS: Status of S Job History

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.Never worked	353	478	416	495	411	347	380	328	279	484
1.Worked, no 5+ year jobs	924	728	595	742	665	593	795	674	600	965
2.Worked, 1+ job for 5+ yrs	8214	10926	10012	11807	10813	9956	11115	10140	9270	11476
8.Worked, DK if any 5+ yr j	405	627	613	787	711	629	599	534	450	448
9.DK if worked	4	331	281	149	130	114	83	59	47	140

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.Never worked	424	348	418	335	265	292
1.Worked, no 5+ year jobs	843	724	900	671	569	521
2.Worked, 1+ job for 5+ yrs	10694	9496	10030	8066	7388	6804
8.Worked, DK if any 5+ yr j	471	405	381	268	241	203
9.DK if worked	52	39	50	18	14	20

How Constructed

RwJJOBS gives the status of the Respondent's job history including jobs reported as current at interviews. RwJNJOBS is the number of jobs the Respondent reports having through job history and job transition questions at each interview. RwJMISS is the number of these jobs that are missing dates, including jobs about which no questions are ever asked. RwJNJOB5 is the number of jobs the Respondent reports holding for 5 or more years, including those reported in job history, and through job transition questions.

SwJJOBS, SwJNJOBS, SwJMISS, and SwJNJOB5 are the same information for the Respondent's spouse or partner.

RwJJOBS is a categorical variable which is set to "0" if the Respondent never reports working; "1" if the Respondent has worked but has a tenure of less than 5 years on all jobs; "2" if the Respondent has had at least one job lasting 5 or more years; "8" if the Respondent has worked but there is not enough information to determine whether any job lasted 5 or more years; and "9" when whether the Respondent ever worked is missing. It is based on examination of reports on numbers of jobs in job history and the lengths of those jobs, together with the jobs reported at each interview.

RwJNJOBS includes the job last worked, if the Respondent is unemployed at their first interview, the number of jobs lasting 5 or more years as reported in job history, and the current count of jobs observed at each interview. RwJMISS includes any jobs where the reported dates are missing. It also includes jobs for which no dates are asked. For example, if the Respondent reports having 7 jobs lasting 5 or more years in job history, the questions will ask for dates on at most 3 of these jobs, so RwJMISS would be at least 4.

RwJNJOB5 counts only those jobs that are determined to last 5 or more years. The length of a job is determined by examining start and stop dates, if available. If a Respondent reports having multiple 5-year jobs in job history, those for which dates are missing or not ascertained are counted. In some cases, an individual may report having a 5-year job, but when asked for the start and stop dates for the job, provides dates that are short of the 5-year period. Such jobs are NOT counted in RwJNJOB5.

The spouse variables are taken from the Wave "w" spouse's self-report, e.g., S3JJOBS is taken from the Wave 3 spouse's RwJJOBS.

Cross Wave Differences in Original HRS Data

Questions at each interview ask the Respondent's current work status and job change information. Generally at a Respondent's first interview, information about past jobs is obtained. The types of information, question wording, and general structure of questions on job transitions and history are similar across waves but some of the details vary. For the AHEAD entry cohort, the complete set of job history questions are not asked in Waves 2A and 3A, but are asked for the first time at Wave 4.

At the Respondent's first interview, or Wave 4 for the AHEAD entry cohort, questions are asked about past jobs. If the Respondent is not working, then information is gathered about their last job, if there is one. If the last job ended more than 20 years ago, the amount of information gathered is very limited. Otherwise, questions ask about the starting date, occupation, and industry of the last job. Whether the Respondent is working or not, questions also ask about jobs held 5 or more years, besides the current or last job. If the Respondent has at least one other past job held 5 or more years, the start and stop months, occupation, and industry are collected for the most recent one. If there is more than one 5-year job, then a question asks:

"Besides the jobs you have already told me about, have you worked for any other employer where you were included in a pension or retirement plan, or in a tax-deferred savings plan of some sort?"

If the Respondent answers yes, then the start and stop years of up to two of these jobs are obtained, but industry and occupation are not asked. Altogether the retrospective job history can provide information on up to 3 jobs and a last job, if the Respondent is unemployed. The 3 jobs will only include the most recent past job that lasted at least 5 years, and 2 more that offered pension or retirement plans.

In Wave 2A, if the Respondent is not working but has worked during the last two years, information about that last job is collected, including start and stop dates and occupation. Industry of the last job is not available. In addition, most people are asked if they ever worked for ten or more years. If so, they are then asked if they worked for one employer for ten or more years, and if so, the occupation and number of years at the longest held job are collected. If not, another question asks the total years worked for pay.

Each interview obtains the Respondent's current work status. At the Respondent's first interview, questions ask the start date, industry, and occupation of their current job if they are working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date, occupation, and industry of the new one. If the Respondent reports a change in job title, then occupation and industry are asked, even if the employer is the same. Note that in Waves 2A and 3A, industry information is NOT collected for any job.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

HRS Variables Used

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HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V12718          F3:WHO WORK FOR     :IND
    V2708           F1a:MONTH UNEMPLOYED
    V2711           F1c:LAST WRK THIS JOB-MO
    V2712           F1c:LAST WRK THIS JOB-YR
    V2713           F1d:MO BECAME DISABLED
    V2714           F1d:YR BECAME DISABLED
    V2715           F1e:MONTH RETIRED
    V2716           F1e:YEAR RETIRED
    V2717           F2:ANY WRK FOR PAY  :IMP
    V2718           F3:WHO WORK FOR     :IMP
    V2816           F23:YR STARTED FOR EMPLR
    V2834           F33:YR STRT THIS BUSINES
    V3402           G1A:MO LST WRK W/PAY
    V3403           G1A:YR LST WRK W/PAY
    V3418           G13:YR STRT WRK JOB
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    V3442           G25:R/SE:YR  STRT @ BUS.
    V3604           H4:WHN STRT WRKNG JOB-YR
    V3607           H7:YEAR STP WRKNG AT JB
    V3704           H25:1ST:YR STRTD THERE
    V3705           H26:1ST:YR LEFT THERE
    V3804           H25:NXT:YR STRTD THERE
    V3805           H26:NXT:YR LEFT THERE
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1175           G1a. WORK LAST 2 YRS?
    B1178           G2. CURRENTLY SELF EMPLOYED
    B1182           G4. CURRENT WORK START YEAR
    B1183           G4. CURRENT WORK START YEARS AGO
    B1184           G4. CURRENT WORK START AT AGE
    B1207           G11. JOB LAST 2 YEARS: END MONTH
    B1208           G11. JOB LAST 2 YEARS: END YEAR
    B1221           G14. JOB LAST 2 YRS START YEAR
    B1222           G14. JOB LAST 2 YRS START YEARS AGO
    B1223           G14. JOB LAST 2 YRS START AT AGE
    B1232           G20. EVER WORK 10/+ YRS?
    B1235           G22. 10/+ YRS ONE EMP: # YEARS
HRS 1994:
    W3307           FA1a.UNEMPLOYED-MONTH
    W3308           FA1b.UNEMPLOYED-YEAR
    W3310           FA1d.LAST WORKED ON JOB-
    W3311           FA1e.LAST WORKED ON JOB-
    W3312           FA1f.DISABLED-MONTH
    W3313           FA1f.DISABLED-YEAR
    W3314           FA1h.RETIRED-MONTH
    W3315           FA1h.RETIRED-YEAR
    W3316           FA2.WORKING FOR PAY
    W3317           FA3.WORK FOR SOMEONE ELS
    W3318           FA5.STOPPED WORKING FOR
    W3319           FA5.STOPPED WORKING FOR
    W3458           FA19.STILL WORKING FOR W
    W3503           FA26.STOPPED WORKING FOR
    W3504           FA26.STOPPED WORKING FOR
    W3662           FA59.START WORK FOR EMPL
    W3663           FA59.START WORK FOR EMPL
    W4200           FB2.STOPPED WORK FOR EMP
    W4201           FB2a.STOPPED WORK FOR EM
    W4327           FB22.STARTED S-E WORK-MO
    W4328           FB22a.STARTED S-E WORK-Y
    W4800           FC2.MONTH STOPPED SELF-E
    W4801           FC2a.YEAR STOPPED SELF-E
    W4897           FC16.MONTH STOPPED WORK
    W4898           FC16a.YEAR STOPPED WORK
    W7002           G1a.LAST WORKED-YEAR
    W7003           G1a.LAST WORKED-YEARS AG
    W7004           G1a.LAST WORKED-MONTH
    W7018           G13.START WORK-YEAR
    W7019           G13.START WORK-YEARS AGO
    W7020           G13.START WORK-AGE
    W7103           H4.START WORK-YEAR
    W7104           H4.START WORK-YEARS AGO
    W7105           H4.START WORK-AGE
    W7108           H7.LEFT EMPLOYER-YEAR
    W7109           H7.LEFT EMPLOYER-YEARS A
    W7110           H7.LEFT EMPLOYER-AGE
```

W7162	EMP1. H25.START WORK-YEA
W7163	EMP1. H26.LEFT EMPLOYER-
W7196	EMP2. H25.START WORK-YEA
W7197	EMP2. H26.LEFT EMPLOYER-
AHEAD 1995:	
D2626M1	GA1. CURRENT JOB STATUS
D2626M2	GA1. CURRENT JOB STATUS
D2626M3	GA1. CURRENT JOB STATUS
D2627	GA1A. WHEN BECAME UNEMPLOYED
D2628	GA1B. YEAR BECAME UNEMPLOYED
D2633	GA1D. MONTH LAST WORKED - TEMPORARY
D2634	GA1E. YEAR LAST WORKED - TEMPORARY
D2638	GA1F. MONTH DISABLED
D2639	GA1G. YEAR DISABLED
D2643	GA1J.YEAR RETIRED
D2644	GA1J.MONTH RETIRED
D2651	GA2.WORKING ANY CURRENT
D2653	GA3. SELF/OTHER EMPLOYED
D2654	GA5. MONTH STOPPED SELF-EMPL
D2655	GA5A. YEAR STOPPED SELF-EMPL
D2747	GA19. STILL WORKING SAME EMPLOYER
D2759	GA26. MONTH STOPPED WORKING WAVE I EMPLO
D2760	GA26A. YEAR STOPPED WORKING WAVE I EMPLO
D2831	GA43. MONTH STARTED CURRENT WORK
D2832	GA43A. YEAR STARTED CURRENT WORK
D3188	GB2. MONTH STOPPED SELF-EMPL
D3189	GB2A. YEAR STOPPED SELF-EMPL
D3545	GC2. MONTH STOPPED SELF-EMPL
D3546	GC2A. YEAR STOPPED SELF-EMPL
D3639	GC16. MONTH STOPPED WORKING WAVE I EMPLO
D3640	GC16A. YEAR STOPPED WORKING WAVE I EMPLO
HRS 1996:	
E2612	G1A.UNEMPLOYED-MONTH
E2613	G1B.UNEMPLOYED-YEAR
E2616	G1D.LAST WORKED ON JOB-MONTH
E2617	G1E.LAST WORKED ON JOB-YEAR
E2619	G1F.DISABLED-MONTH
E2620	G1G.DISABLED-YEAR
E2622	G1H.RETIRED-MONTH
E2623	G1J.RETIRED-YEAR
E2627	G2.WORKING FOR PAY
E2628	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
E2630	G5.STOPPED WORKING FOR SELF-MONTH
E2631	G5A.STOPPED WORKING FOR SELF-YEAR
E2654	G19A.STILL WORKNG FOR PREV WAVE EMPLOYER
E2655	G19B.STILL WORKING PREV EMPLOYER
E2667	G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
E2668	G26A.STOP WORKING FOR PREV WAVE EMPLOYER
E2825	G63.START WORK FOR EMPLOYER-MONTH
E2826	G63A.START WORK FOR EMPLOYER-YEAR
E3127	GG1A.LAST WORKED-YEAR
E3128	GG1A.LAST WORKED-YEARS AGO
E3129	GG1A.LAST WORKED-MONTH
E3146	GG13.START WORK-YEAR
E3147	GG13.START WORK-YEARS AGO
E3148	GG13.START WORK-AGE
E3329	GH4.START WORK-YEAR
E3330	GH4.START WORK-YEARS AGO
E3331	GH4.START WORK-AGE

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    E3337           GH7.LEFT EMPLOYER-YEAR
    E3338           GH7.LEFT EMPLOYER-YEARS AGO
    E3339           GH7.LEFT EMPLOYER-AGE
HRS 1998:
    F3116           G1A.UNEMPLOYED-MONTH
    F3117           G1B.UNEMPLOYED-YEAR
    F3120           G1D.LAST WORKED ON JOB-MONTH
    F3121           G1E.LAST WORKED ON JOB-YEAR
    F3123           G1F.DISABLED-MONTH
    F3124           G1G.DISABLED-YEAR
    F3126           G1H.RETIRED-MONTH
    F3127           G1J.RETIRED-YEAR
    F3131           G2.WORKING FOR PAY
    F3132           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    F3134           G5.STOPPED WORKING FOR SELF-MONTH
    F3135           G5A.STOPPED WORKING FOR SELF-YEAR
    F3158           G19A.STILL WORKING FOR PREV WAVE EMPLOYE
    F3166           G19B.STILL WORKING PREV EMPLOYER
    F3188           G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
    F3189           G26A.STOP WORKING FOR PREV WAVE EMPLOYER
    F3348           G63.START WORK FOR EMPLOYER-MONTH
    F3349           G63A.START WORK FOR EMPLOYER-YEAR
    F3644           GG1A1.LAST WORKED WHEN-YEAR
    F3645           GG1A2.LAST WORKED WHEN-YEARS AGO
    F3647           GG1A.LAST WORKED-MONTH
    F3664           GG13.START WORK-YEAR
    F3665           GG13.START WORK-YEARS AGO
    F3666           GG13.START WORK-AGE
    F3834           GH4.START WORK-YEAR
    F3835           GH4.START WORK-YEARS AGO
    F3836           GH4.START WORK-AGE
    F3842           GH7.LEFT EMPLOYER-YEAR
    F3843           GH7.LEFT EMPLOYER-YEARS AGO
    F3844           GH7.LEFT EMPLOYER-AGE
    F3903_1         GH25.START WORK FOR EMPLOYER-YEAR
    F3903_2         GH25.START WORK FOR EMPLOYER-YEAR
    F3904_1         GH26.LEFT EMPLOYER-YEAR
    F3904_2         GH26.LEFT EMPLOYER-YEAR
HRS 2000:
    G3366           G1A.UNEMPLOYED-MONTH
    G3367           G1B.UNEMPLOYED-YEAR
    G3370           G1D.LAST WORKED ON JOB-MONTH
    G3371           G1E.LAST WORKED ON JOB-YEAR
    G3373           G1F.DISABLED-MONTH
    G3374           G1G.DISABLED-YEAR
    G3376           G1H.RETIRED-MONTH
    G3377           G1J.RETIRED-YEAR
    G3381           G2.WORKING FOR PAY
    G3382           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    G3384           G5.STOPPED WORKING FOR SELF-MONTH
    G3385           G5A.STOPPED WORKING FOR SELF-YEAR
    G3416           G19B.STILL WORKING PREV EMPLOYER
    G3437           G26.STOP WORK PREV WAVE EMPLYR-MO
    G3438           G26A.STOP WORK PREV WAVE EMPLYR-YR
    G3607           G63.START WORK FOR EMPLOYER-MONTH
    G3608           G63A.START WORK FOR EMPLOYER-YEAR
    G3954           GG1A1.LAST WORKED WHEN-YEAR
    G3955           GG1A2.LAST WORKED WHEN-YEARS AGO
    G3957           GG1A.LAST WORKED-MONTH
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	G3974	GG13.START WORK-YEAR
	G3975	GG13Y1. START WORK-YEARS AGO
	G3976	GG13Y2. START WORK-AGE
	G4096	GH4.START WORK-YEAR
	G4097	GH4Y1. START WORK-YEARS AGO
	G4098	GH4Y2. START WORK-AGE
	G4105	GH7Y1. LEFT EMPLOYER-YEARS AGO
	G4106	GH7Y2. LEFT EMPLOYER-AGE
	G4176_1	GH25.START WORK FOR EMPLOYER-YEAR
	G4176_2	GH25.START WORK FOR EMPLOYER-YEAR
	G4177_1	GH26.LEFT EMPLOYER-YEAR
	G4177_2	GH26.LEFT EMPLOYER-YEAR
HRS 2002:		
	HK002	LAST WRKED WHEN-YR
	HK018	START WRK-YR
	HK019	START WRK-YRS AGO
	HK020	START WRK- AT AGE
	HL078_1	START WRK FOR EMP- INC PENSION- YR- 1
	HL078_2	START WRK FOR EMP- INC PENSION- YR- 2
	HL079_1	LEFT EMPLOYER- INCLUDE PENSION- YR- 1
	HL079_2	LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2002-2014:		
	xK003	LAST WRKED WHEN-YRS AGO
	xK004	LAST WRKED-MO
	xL009	START WRK-YR
	xL010	START WORK-YRS AGO
	xL011	START WORK- AT AGE
	xL017	LEFT EMPLOYER-YRS AGO
	xL018	LEFT EMPLOYER- AT AGE
HRS 2002-2022:		
	xJ007	MO UNEMPLOYED
	xJ008	YR UNEMPLOYED
	xJ011	MO LAST WORKED - LAID OFF
	xJ012	YR LAST WORKED - LAID OFF
	xJ014	DISABLED-MO
	xJ015	DISABLED- YR
	xJ017	RETIRED-MO
	xJ018	RETIRED-YR
	xJ020	WORKING FOR PAY
	xJ021	WORK FOR SOMEONE ELSE/SLF-EMPLOYED
	xJ023	STOPPED WORKING FOR SLF-MO
	xJ024	STOPPED WORKING FOR SLF- YR
	xJ045	STILL WORKING PREV EMPLOYER
	xJ063	STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
	xJ064	STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
	xJ248	MO-START WORK FOR CURRENT EMPLOYER
	xJ249	YR-START WORK FOR CURRENT EMPLOYER
HRS 2004-2014:		
	xK005	LAST WRKED WHEN-YRS AGO
	xK006	LAST WRKED-MO
	xK022	START WRK-YR
	xK023	START WRK-YRS AGO
	xK024	START WRK- AT AGE
	xL034A	START WRK FOR EMP- INC PENSION- YR- 1
	xL034B	START WRK FOR EMP- INC PENSION- YR- 2
	xL035A	LEFT EMPLOYER- INCLUDE PENSION- YR- 1
	xL035B	LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2016-2022:		
	xJK003	WORK FOR PAY MORE THAN FEW MOS

xJK004	LAST WRKED WHEN-YR
xJK005	LAST WRKED WHEN-YRS AGO
xJK006	LAST WRKED-MO
xJK022	START WRK-YR
xJK023	START WRK-YRS AGO
xJK024	START WRK- AT AGE
xJL009_1	START WRK-YR
xJL009_2	LONGEST HELD JOB START WRK-YR
xJL010_1	START WORK-YRS AGO
xJL010_2	LONGEST HELD JOB START WORK-YRS AGO
xJL011_1	START WORK- AT AGE
xJL011_2	LONGEST HELD JOB START WORK- AT AGE
xJL017_1	LEFT EMPLOYER-YRS AGO
xJL017_2	LEFT LONGEST HELD JOB EMPLOYER-YRS AGO
xJL018_1	LEFT EMPLOYER- AT AGE
xJL018_2	LEFT LONGEST HELD JOB EMPLOYER- AT AGE

Total years worked from self report

Wave	Variable	Label	Type
1	R1JYEARS	R1JYEARS:W1 R Years Worked/self-rpt+jobh	Cont
2	R2JYEARS	R2JYEARS:W2 R Years Worked/self-rpt+jobh	Cont
3	R3JYEARS	R3JYEARS:W3 R Years Worked/self-rpt+jobh	Cont
4	R4JYEARS	R4JYEARS:W4 R Years Worked/self-rpt+jobh	Cont
5	R5JYEARS	R5JYEARS:W5 R Years Worked/self-rpt+jobh	Cont
6	R6JYEARS	R6JYEARS:W6 R Years Worked/self-rpt+jobh	Cont
7	R7JYEARS	R7JYEARS:W7 R Years Worked/self-rpt+jobh	Cont
8	R8JYEARS	R8JYEARS:W8 R Years Worked/self-rpt+jobh	Cont
9	R9JYEARS	R9JYEARS:W9 R Years Worked/self-rpt+jobh	Cont
10	R10JYEARS	R10JYEARS:W10 R Years Worked/self-rpt+jobh	Cont
11	R11JYEARS	R11JYEARS:W11 R Years Worked/self-rpt+jobh	Cont
12	R12JYEARS	R12JYEARS:W12 R Years Worked/self-rpt+jobh	Cont
13	R13JYEARS	R13JYEARS:W13 R Years Worked/self-rpt+jobh	Cont
14	R14JYEARS	R14JYEARS:W14 R Years Worked/self-rpt+jobh	Cont
15	R15JYEARS	R15JYEARS:W15 R Years Worked/self-rpt+jobh	Cont
16	R16JYEARS	R16JYEARS:W16 R Years Worked/self-rpt+jobh	Cont
1	S1JYEARS	S1JYEARS:W1 S Years Worked/self-rpt+jobh	Cont
2	S2JYEARS	S2JYEARS:W2 S Years Worked/self-rpt+jobh	Cont
3	S3JYEARS	S3JYEARS:W3 S Years Worked/self-rpt+jobh	Cont
4	S4JYEARS	S4JYEARS:W4 S Years Worked/self-rpt+jobh	Cont
5	S5JYEARS	S5JYEARS:W5 S Years Worked/self-rpt+jobh	Cont
6	S6JYEARS	S6JYEARS:W6 S Years Worked/self-rpt+jobh	Cont
7	S7JYEARS	S7JYEARS:W7 S Years Worked/self-rpt+jobh	Cont
8	S8JYEARS	S8JYEARS:W8 S Years Worked/self-rpt+jobh	Cont
9	S9JYEARS	S9JYEARS:W9 S Years Worked/self-rpt+jobh	Cont
10	S10JYEARS	S10JYEARS:W10 S Years Worked/self-rpt+jobh	Cont
11	S11JYEARS	S11JYEARS:W11 S Years Worked/self-rpt+jobh	Cont
12	S12JYEARS	S12JYEARS:W12 S Years Worked/self-rpt+jobh	Cont
13	S13JYEARS	S13JYEARS:W13 S Years Worked/self-rpt+jobh	Cont
14	S14JYEARS	S14JYEARS:W14 S Years Worked/self-rpt+jobh	Cont
15	S15JYEARS	S15JYEARS:W15 S Years Worked/self-rpt+jobh	Cont
16	S16JYEARS	S16JYEARS:W16 S Years Worked/self-rpt+jobh	Cont
1	R1JYEARM	R1JYEARM:W1 R Years Worked/missing flag	Categ
2	R2JYEARM	R2JYEARM:W2 R Years Worked/missing flag	Categ
3	R3JYEARM	R3JYEARM:W3 R Years Worked/missing flag	Categ
4	R4JYEARM	R4JYEARM:W4 R Years Worked/missing flag	Categ
5	R5JYEARM	R5JYEARM:W5 R Years Worked/missing flag	Categ
6	R6JYEARM	R6JYEARM:W6 R Years Worked/missing flag	Categ
7	R7JYEARM	R7JYEARM:W7 R Years Worked/missing flag	Categ
8	R8JYEARM	R8JYEARM:W8 R Years Worked/missing flag	Categ
9	R9JYEARM	R9JYEARM:W9 R Years Worked/missing flag	Categ
10	R10JYEARM	R10JYEARM:W10 R Years Worked/missing flag	Categ
11	R11JYEARM	R11JYEARM:W11 R Years Worked/missing flag	Categ
12	R12JYEARM	R12JYEARM:W12 R Years Worked/missing flag	Categ
13	R13JYEARM	R13JYEARM:W13 R Years Worked/missing flag	Categ
14	R14JYEARM	R14JYEARM:W14 R Years Worked/missing flag	Categ
15	R15JYEARM	R15JYEARM:W15 R Years Worked/missing flag	Categ
16	R16JYEARM	R16JYEARM:W16 R Years Worked/missing flag	Categ
1	S1JYEARM	S1JYEARM:W1 S Years Worked/missing flag	Categ
2	S2JYEARM	S2JYEARM:W2 S Years Worked/missing flag	Categ
3	S3JYEARM	S3JYEARM:W3 S Years Worked/missing flag	Categ
4	S4JYEARM	S4JYEARM:W4 S Years Worked/missing flag	Categ
5	S5JYEARM	S5JYEARM:W5 S Years Worked/missing flag	Categ
6	S6JYEARM	S6JYEARM:W6 S Years Worked/missing flag	Categ
7	S7JYEARM	S7JYEARM:W7 S Years Worked/missing flag	Categ
8	S8JYEARM	S8JYEARM:W8 S Years Worked/missing flag	Categ
9	S9JYEARM	S9JYEARM:W9 S Years Worked/missing flag	Categ
10	S10JYEARM	S10JYEARM:W10 S Years Worked/missing flag	Categ
11	S11JYEARM	S11JYEARM:W11 S Years Worked/missing flag	Categ
12	S12JYEARM	S12JYEARM:W12 S Years Worked/missing flag	Categ
13	S13JYEARM	S13JYEARM:W13 S Years Worked/missing flag	Categ
14	S14JYEARM	S14JYEARM:W14 S Years Worked/missing flag	Categ
15	S15JYEARM	S15JYEARM:W15 S Years Worked/missing flag	Categ

16 S16JYEARM S16JYEARM:W16 S Years Worked/missing flag Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JYEARS	12652	27.53	13.46	0.0	65.0
R2JYEARS	19642	27.37	15.83	0.0	75.0
R3JYEARS	17991	28.96	16.07	0.0	75.0
R4JYEARS	21384	30.20	15.88	0.0	78.0
R5JYEARS	19578	30.90	16.05	0.0	78.0
R6JYEARS	18165	31.75	16.10	0.0	78.0
R7JYEARS	20129	31.44	15.68	0.0	77.0
R8JYEARS	18469	32.39	15.77	0.0	79.0
R9JYEARS	17217	33.17	15.83	0.0	81.0
R10JYEARS	22034	29.49	16.51	0.0	83.0
R11JYEARS	20554	30.18	16.50	0.0	85.0
R12JYEARS	18747	30.80	16.46	0.0	87.0
R13JYEARS	20912	27.85	16.91	0.0	76.0
R14JYEARS	17146	28.65	16.90	0.0	76.0
R15JYEARS	15723	29.35	16.70	0.0	77.0
R16JYEARS	15787	27.42	16.91	0.0	78.0
S1JYEARS	9900	28.12	13.41	0.0	65.0
S2JYEARS	13090	28.99	15.18	0.0	70.0
S3JYEARS	11917	30.53	15.42	0.0	72.0
S4JYEARS	13980	31.52	15.17	0.0	74.0
S5JYEARS	12730	32.38	15.27	0.0	74.0
S6JYEARS	11639	33.35	15.32	0.0	76.0
S7JYEARS	12972	32.91	14.88	0.0	76.0
S8JYEARS	11735	33.82	14.96	0.0	75.0
S9JYEARS	10646	34.82	15.00	0.0	76.0
S10JYEARS	13513	30.74	16.12	0.0	75.0
S11JYEARS	12484	31.18	16.11	0.0	75.0
S12JYEARS	11012	31.73	16.04	0.0	73.0
S13JYEARS	11779	28.77	16.60	0.0	73.0
S14JYEARS	9358	29.50	16.64	0.0	74.0
S15JYEARS	8477	30.22	16.41	0.0	75.0
S16JYEARS	7840	28.85	16.56	0.0	75.0
R1JYEARM	12652	0.45	0.82	0.0	6.0
R2JYEARM	19642	1.20	1.66	0.0	6.0
R3JYEARM	17991	1.11	1.61	0.0	6.0
R4JYEARM	21384	0.89	1.42	0.0	6.0
R5JYEARM	19578	0.87	1.37	0.0	6.0
R6JYEARM	18165	0.83	1.32	0.0	6.0
R7JYEARM	20129	0.77	1.22	0.0	6.0
R8JYEARM	18469	0.73	1.17	0.0	6.0
R9JYEARM	17217	0.70	1.13	0.0	6.0
R10JYEARM	22034	0.99	1.14	0.0	6.0
R11JYEARM	20554	0.99	1.12	0.0	6.0
R12JYEARM	18747	0.99	1.11	0.0	6.0
R13JYEARM	20912	1.29	1.14	0.0	6.0
R14JYEARM	17146	1.30	1.13	0.0	6.0
R15JYEARM	15723	1.32	1.12	0.0	6.0
R16JYEARM	15787	1.51	1.10	0.0	6.0

S1JYEARM	9900	0.44	0.81	0.0	6.0
S2JYEARM	13090	1.01	1.54	0.0	6.0
S3JYEARM	11917	0.92	1.46	0.0	6.0
S4JYEARM	13980	0.73	1.26	0.0	6.0
S5JYEARM	12730	0.70	1.20	0.0	6.0
S6JYEARM	11639	0.67	1.14	0.0	6.0
S7JYEARM	12972	0.63	1.06	0.0	6.0
S8JYEARM	11735	0.61	1.01	0.0	6.0
S9JYEARM	10646	0.59	0.97	0.0	6.0
S10JYEARM	13513	0.94	1.08	0.0	6.0
S11JYEARM	12484	0.97	1.08	0.0	6.0
S12JYEARM	11012	0.99	1.07	0.0	6.0
S13JYEARM	11779	1.29	1.11	0.0	6.0
S14JYEARM	9358	1.32	1.11	0.0	6.0
S15JYEARM	8477	1.35	1.11	0.0	4.0
S16JYEARM	7840	1.51	1.09	0.0	3.0

Categorical Variable Codes

RwJYEARM: R Years Worked/missing flag

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No date missing	9383	11425	10834	13663	12540	11742	12939	12005	11276	11391
1.At least 1 job date missi	991	1052	983	1279	1233	1207	1699	1611	1537	1755
2.Early years worked missin	2150	3443	3267	4348	4023	3756	4223	3835	3563	7304
3.Early yrs/1+ job dt missi	117	165	152	204	183	161	227	218	215	1162
4.No job hist,w2a used		2910	2140	1287	1128	920	747	578	453	299
5.w2a>jobhist,w2a used	3	298	283	262	207	168	131	94	79	57
6.Job dt=.,w2a gt jobhist,w	8	349	332	341	264	211	163	128	94	66

Value	w11	w12	w13	w14	w15	w16
0.No date missing	10541	9521	8202	6660	5934	4797
1.At least 1 job date missi	1675	1562	1383	1135	1084	930
2.Early years worked missin	6869	6334	8641	7090	6547	7347
3.Early yrs/1+ job dt missi	1155	1107	2546	2181	2121	2692
4.No job hist,w2a used	225	162	99	56	26	14
5.w2a>jobhist,w2a used	41	28	18	10	6	4
6.Job dt=.,w2a gt jobhist,w	48	33	23	14	5	3

SwJYEARM: S Years Worked/missing flag

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7797
.V=Spouse NR	379	584	417	536	311	220	380	317	365	724
0.No date missing	7382	8163	7694	9485	8683	7958	8762	7952	7259	7092
1.At least 1 job date missi	794	832	752	946	910	875	1203	1125	1055	1176
2.Early years worked missin	1632	2173	2043	2604	2390	2239	2509	2275	2042	4405
3.Early yrs/1+ job dt missi	81	109	92	123	105	96	148	144	130	747
4.No job hist,w2a used		1458	1029	554	445	330	250	171	112	60
5.w2a>jobhist,w2a used	3	185	160	129	91	63	43	28	19	15
6.Job dt=.,w2a gt jobhist,w	8	170	147	139	106	78	57	40	29	18

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0.No date missing	6378	5483	4518	3514	3076	2347
1.At least 1 job date missi	1072	975	825	641	589	492
2.Early years worked missin	4213	3816	4938	3940	3613	3652
3.Early yrs/1+ job dt missi	756	702	1482	1257	1198	1349
4.No job hist,w2a used	45	24	11	4	1	
5.w2a>jobhist,w2a used	8	4	2	1		
6.Job dt=.,w2a gt jobhist,w	12	8	3	1		

How Constructed

RwJYEARS is the total number of self-reported years worked. RwJYEARM indicates how many missing values are encountered in the derivation of RwJYEARS.

RwJYEARS is derived using all reported jobs and variables regarding number of years worked which was obtained in Wave 3H and from Wave 4 forward. Reported jobs include those at which a Respondent is working at any interview and those reported in the retrospective job history.

Except for the AHEAD entry cohort, a Respondent is asked about past jobs retrospectively at their first interview. If the Respondent is not working, information about the last job is collected. Whether working or not, questions are asked about up to three additional jobs lasting five or more years. These job history questions were not asked in Waves 2A or 3A. For those in the AHEAD entry cohort, job history information was collected at Wave 4.

In Wave 3H and from Wave 4 forward, the Respondent is asked for the earliest year and total number of years worked before the earliest job previously reported in job history.

The derivation uses the earliest year worked and number of years worked variables, along with retrospective job history and all jobs reported since the first interview. In Waves 2A and 3A, jobs reported in the retrospective job history were collected in Wave 4, so their dates are compared to interview dates to determine whether or how long they lasted before the 2A or 3A interview.

The retrospective job history and jobs reported at interviews are compared for overlapping dates so as not to double count years of work. If both job start or stop years are missing, the years of work in those jobs are not added. If one of the years is missing and the job is reported among those lasting 5+ years, the missing year is assumed to be 5 years away from the non-missing year. If one of the years is missing, and the job is reported as the most recent job by an unemployed Respondent (as part of the job history information), then that job is counted as lasting one year. Thus RwJYEARS represents the minimum number of years worked that could be determined.

In Wave 2A some Respondents are asked about the total years worked, and others about total years at the longest held job. If, after processing the current job and job history, R2JYEARS is less than the answer to either of these direct questions, the direct question

is used to set R2JYEAR, and RwJYEARS in subsequent waves is adjusted appropriately.

RwJYEARM is a flag that indicates if any of the reported job dates are missing, or if the earliest year worked (or number of years worked up to preloaded first reported year worked) is either not available or missing. It also indicates if the Wave 2A direct question was used. Years worked counts any part of a year as a whole year.

Spouse variables are taken from the Respondent's spouse's self-reported variables, i.e., they are taken the spouse's RwJYEARS and RwJYEARM.

Cross Wave Differences in Original HRS Data

Questions at each interview ask the Respondent's current work status and job change information. Generally at a Respondent's first interview, information about past jobs is obtained. The types of information, question wording, and general structure of questions on job transitions and history are similar across waves but some of the details vary. For the AHEAD entry cohort, the complete set of job history questions are not asked in Waves 2A and 3A, but are asked for the first time at Wave 4. In Wave 3H and from Wave 4 forward, new questions ask about the Respondent's years worked before the first job reported in prior waves.

At the Respondent's first interview, or Wave 4 for the AHEAD entry cohort, questions are asked about past jobs. If the Respondent is not working, then information is gathered about their last job, if there is one. If the last job ended more than 20 years ago, the amount of information gathered is very limited. Otherwise, questions ask about the starting date, occupation, and industry of the last job. Whether the Respondent is working or not, questions also ask about jobs held 5 or more years, besides the current or last job. If the Respondent has at least one other past job held 5 or more years, the start and stop months, occupation, and industry are collected for the most recent one. If there is more than one 5-year job, then a question asks:

"Besides the jobs you have already told me about, have you worked for any other employer where you were included in a pension or retirement plan, or in a tax-deferred savings plan of some sort?"

If the Respondent answers yes, then the start and stop years of up to two of these jobs are obtained, but industry and occupation are not asked. Altogether the retrospective job history can provide information on up to 3 jobs and a last job, if the Respondent is unemployed. The 3 jobs will only include the most recent past job that lasted at least 5 years, and 2 more that offered pension or retirement plans.

In Wave 2A, if the Respondent is not working but has worked during the last two years, information about that last job is collected, including start and stop dates and occupation. Industry of the last job is not available. In addition, most people are asked if they ever worked for ten or more years. If so they are then asked if they worked for one employer for ten or more years, and if so, the occupation and number of years at the longest held job are collected. If not, another question asks the total years worked for pay.

In Wave 3H, or at the first interview from Wave 4 forward to which the Respondent responds, a question is added that asks when the Respondent first worked for 6 months or more. Follow-up questions ask how many years the Respondent worked 6 months or more between the year first worked and a preloaded value. The preloaded value is the earliest start year of all jobs reported, presumably derived from job history given at the first interview.

Each interview obtains the Respondent's current work status. At the Respondent's first interview, questions ask the start date, industry, and occupation of their current job if they are working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date, occupation, and industry of the new one. If the Respondent reports a change in job title, then occupation and industry are asked, even if the employer is the same.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

HRS Variables Used

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HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V12718          F3:WHO WORK FOR     :IND
    V2708           F1a:MONTH UNEMPLOYED
    V2709           F1a:YR UNEMPLOYED
    V2711           F1c:LAST WRK THIS JOB-MO
    V2712           F1c:LAST WRK THIS JOB-YR
    V2713           F1d:MO BECAME DISABLED
    V2714           F1d:YR BECAME DISABLED
    V2715           F1e:MONTH RETIRED
    V2716           F1e:YEAR RETIRED
    V2717           F2:ANY WRK FOR PAY  :IMP
    V2718           F3:WHO WORK FOR     :IMP
    V2816           F23:YR STARTED FOR EMPLR
    V2834           F33:YR STRT THIS BUSINES
    V3401           G1:  RK/PAY +FEW MOS:IMP
    V3402           G1A:MO LST WRK W/PAY
    V3403           G1A:YR LST WRK W/PAY
    V3418           G13:YR STRT WRK JOB
    V3442           G25:R/SE:YR  STRT @ BUS.
    V3604           H4:WHN STRT WRKNG JOB-YR
    V3607           H7:YEAR STP WRKNG AT JB
    V3704           H25:1ST:YR STRTD THERE
    V3705           H26:1ST:YR LEFT THERE
    V3804           H25:NXT:YR STRTD THERE
    V3805           H26:NXT:YR LEFT THERE
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1175           G1a. WORK LAST 2 YRS?
    B1178           G2. CURRENTLY SELF EMPLOYED
    B1182           G4. CURRENT WORK START YEAR
    B1183           G4. CURRENT WORK START YEARS AGO
    B1184           G4. CURRENT WORK START AT AGE
    B1207           G11. JOB LAST 2 YEARS: END MONTH
    B1208           G11. JOB LAST 2 YEARS: END YEAR
    B1221           G14. JOB LAST 2 YRS START YEAR
    B1222           G14. JOB LAST 2 YRS START YEARS AGO
    B1223           G14. JOB LAST 2 YRS START AT AGE
    B1232           G20. EVER WORK 10/+ YRS?
    B1234           G21. EVER WORK 10/+ YRS ONE EMPLOYER?
    B1235           G22. 10/+ YRS ONE EMP: # YEARS
    B1241           G26. 10/+YRS ONE EMP: # YEARS WORKED
HRS 1994:
    W3307           FA1a.UNEMPLOYED-MONTH
    W3308           FA1b.UNEMPLOYED-YEAR
    W3310           FA1d.LAST WORKED ON JOB-
    W3311           FA1e.LAST WORKED ON JOB-
    W3312           FA1f.DISABLED-MONTH
    W3313           FA1f.DISABLED-YEAR
    W3314           FA1h.RETIRED-MONTH
    W3315           FA1h.RETIRED-YEAR
    W3316           FA2.WORKING FOR PAY
    W3317           FA3.WORK FOR SOMEONE ELS
    W3318           FA5.STOPPED WORKING FOR
    W3319           FA5.STOPPED WORKING FOR
    W3458           FA19.STILL WORKING FOR W
    W3503           FA26.STOPPED WORKING FOR
    W3504           FA26.STOPPED WORKING FOR
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    W3662           FA59.START WORK FOR EMPL
    W3663           FA59.START WORK FOR EMPL
    W4200           FB2.STOPPED WORK FOR EMP
    W4201           FB2a.STOPPED WORK FOR EM
    W4327           FB22.STARTED S-E WORK-MO
    W4328           FB22a.STARTED S-E WORK-Y
    W4800           FC2.MONTH STOPPED SELF-E
    W4801           FC2a.YEAR STOPPED SELF-E
    W4897           FC16.MONTH STOPPED WORK
    W4898           FC16a.YEAR STOPPED WORK
    W7002           G1a.LAST WORKED-YEAR
    W7003           G1a.LAST WORKED-YEARS AG
    W7004           G1a.LAST WORKED-MONTH
    W7018           G13.START WORK-YEAR
    W7019           G13.START WORK-YEARS AGO
    W7020           G13.START WORK-AGE
    W7103           H4.START WORK-YEAR
    W7104           H4.START WORK-YEARS AGO
    W7105           H4.START WORK-AGE
    W7108           H7.LEFT EMPLOYER-YEAR
    W7109           H7.LEFT EMPLOYER-YEARS A
    W7110           H7.LEFT EMPLOYER-AGE
    W7162           EMP1. H25.START WORK-YEA
    W7163           EMP1. H26.LEFT EMPLOYER-
    W7196           EMP2. H25.START WORK-YEA
    W7197           EMP2. H26.LEFT EMPLOYER-
AHEAD 1995:
    D2626M1         GA1. CURRENT JOB STATUS
    D2626M2         GA1. CURRENT JOB STATUS
    D2626M3         GA1. CURRENT JOB STATUS
    D2627           GA1A. WHEN BECAME UNEMPLOYED
    D2628           GA1B. YEAR BECAME UNEMPLOYED
    D2633           GA1D. MONTH LAST WORKED - TEMPORARY
    D2634           GA1E. YEAR LAST WORKED - TEMPORARY
    D2638           GA1F. MONTH DISABLED
    D2639           GA1G. YEAR DISABLED
    D2643           GA1J.YEAR RETIRED
    D2644           GA1J.MONTH RETIRED
    D2651           GA2.WORKING ANY CURRENT
    D2653           GA3. SELF/OTHER EMPLOYED
    D2654           GA5. MONTH STOPPED SELF-EMPL
    D2655           GA5A. YEAR STOPPED SELF-EMPL
    D2747           GA19. STILL WORKING SAME EMPLOYER
    D2759           GA26. MONTH STOPPED WORKING WAVE I EMPLO
    D2760           GA26A. YEAR STOPPED WORKING WAVE I EMPLO
    D2831           GA43. MONTH STARTED CURRENT WORK
    D2832           GA43A. YEAR STARTED CURRENT WORK
    D3188           GB2. MONTH STOPPED SELF-EMPL
    D3189           GB2A. YEAR STOPPED SELF-EMPL
    D3545           GC2. MONTH STOPPED SELF-EMPL
    D3546           GC2A. YEAR STOPPED SELF-EMPL
    D3639           GC16. MONTH STOPPED WORKING WAVE I EMPLO
    D3640           GC16A. YEAR STOPPED WORKING WAVE I EMPLO
HRS 1996:
    E189            PREV WAVE FIRST JOB YEAR
    E2612           G1A.UNEMPLOYED-MONTH
    E2613           G1B.UNEMPLOYED-YEAR
    E2616           G1D.LAST WORKED ON JOB-MONTH
    E2617           G1E.LAST WORKED ON JOB-YEAR
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    E2619           G1F.DISABLED-MONTH
    E2620           G1G.DISABLED-YEAR
    E2622           G1H.RETIRED-MONTH
    E2623           G1J.RETIRED-YEAR
    E2627           G2.WORKING FOR PAY
    E2628           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    E2630           G5.STOPPED WORKING FOR SELF-MONTH
    E2631           G5A.STOPPED WORKING FOR SELF-YEAR
    E2654           G19A.STILL WORKNG FOR PREV WAVE EMPLOYER
    E2655           G19B.STILL WORKING PREV EMPLOYER
    E2667           G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
    E2668           G26A.STOP WORKING FOR PREV WAVE EMPLOYER
    E2825           G63.START WORK FOR EMPLOYER-MONTH
    E2826           G63A.START WORK FOR EMPLOYER-YEAR
    E3091           G161.WORK SIX MONTH OR GREATER - YEAR
    E3092           G162.BEGIN YEARS SIX MONTHS OR GREATER
    E3093           G162A.END YEAR
    E3094           G162B.YEARS
    E3095           G162A.RANGE
    E3127           GG1A.LAST WORKED-YEAR
    E3128           GG1A.LAST WORKED-YEARS AGO
    E3129           GG1A.LAST WORKED-MONTH
    E3146           GG13.START WORK-YEAR
    E3147           GG13.START WORK-YEARS AGO
    E3148           GG13.START WORK-AGE
    E3329           GH4.START WORK-YEAR
    E3330           GH4.START WORK-YEARS AGO
    E3331           GH4.START WORK-AGE
    E3337           GH7.LEFT EMPLOYER-YEAR
    E3338           GH7.LEFT EMPLOYER-YEARS AGO
    E3339           GH7.LEFT EMPLOYER-AGE
HRS 1998:
    F3116           G1A.UNEMPLOYED-MONTH
    F3117           G1B.UNEMPLOYED-YEAR
    F3120           G1D.LAST WORKED ON JOB-MONTH
    F3121           G1E.LAST WORKED ON JOB-YEAR
    F3123           G1F.DISABLED-MONTH
    F3124           G1G.DISABLED-YEAR
    F3126           G1H.RETIRED-MONTH
    F3127           G1J.RETIRED-YEAR
    F3131           G2.WORKING FOR PAY
    F3132           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    F3134           G5.STOPPED WORKING FOR SELF-MONTH
    F3135           G5A.STOPPED WORKING FOR SELF-YEAR
    F3158           G19A.STILL WORKING FOR PREV WAVE EMPLOYE
    F3166           G19B.STILL WORKING PREV EMPLOYER
    F3188           G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
    F3189           G26A.STOP WORKING FOR PREV WAVE EMPLOYER
    F3348           G63.START WORK FOR EMPLOYER-MONTH
    F3349           G63A.START WORK FOR EMPLOYER-YEAR
    F3644           GG1A1.LAST WORKED WHEN-YEAR
    F3645           GG1A2.LAST WORKED WHEN-YEARS AGO
    F3647           GG1A.LAST WORKED-MONTH
    F3664           GG13.START WORK-YEAR
    F3665           GG13.START WORK-YEARS AGO
    F3666           GG13.START WORK-AGE
    F3834           GH4.START WORK-YEAR
    F3835           GH4.START WORK-YEARS AGO
    F3836           GH4.START WORK-AGE
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F3842	GH7.LEFT EMPLOYER-YEAR
F3843	GH7.LEFT EMPLOYER-YEARS AGO
F3844	GH7.LEFT EMPLOYER-AGE
F3903_1	GH25.START WORK FOR EMPLOYER-YEAR
F3903_2	GH25.START WORK FOR EMPLOYER-YEAR
F3904_1	GH26.LEFT EMPLOYER-YEAR
F3904_2	GH26.LEFT EMPLOYER-YEAR
F3973	GH52 FIRST-FINAL
F3974	GH52.WORK SIX MONTH OR GREATER - YEAR
F3976	GH52A.BEGIN YEARS SIX MONTHS OR GREATER
F3977	GH52AA.END YEAR
F3978	GH52AB.YEARS
F3979	GH52AA.RANGE
HRS 2000:	
G3366	G1A.UNEMPLOYED-MONTH
G3367	G1B.UNEMPLOYED-YEAR
G3370	G1D.LAST WORKED ON JOB-MONTH
G3371	G1E.LAST WORKED ON JOB-YEAR
G3373	G1F.DISABLED-MONTH
G3374	G1G.DISABLED-YEAR
G3376	G1H.RETIRED-MONTH
G3377	G1J.RETIRED-YEAR
G3381	G2.WORKING FOR PAY
G3382	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
G3384	G5.STOPPED WORKING FOR SELF-MONTH
G3385	G5A.STOPPED WORKING FOR SELF-YEAR
G3416	G19B.STILL WORKING PREV EMPLOYER
G3437	G26.STOP WORK PREV WAVE EMPLYR-MO
G3438	G26A.STOP WORK PREV WAVE EMPLYR-YR
G3607	G63.START WORK FOR EMPLOYER-MONTH
G3608	G63A.START WORK FOR EMPLOYER-YEAR
G3954	GG1A1.LAST WORKED WHEN-YEAR
G3955	GG1A2.LAST WORKED WHEN-YEARS AGO
G3957	GG1A.LAST WORKED-MONTH
G3974	GG13.START WORK-YEAR
G3975	GG13Y1. START WORK-YEARS AGO
G3976	GG13Y2. START WORK-AGE
G4096	GH4.START WORK-YEAR
G4097	GH4Y1. START WORK-YEARS AGO
G4098	GH4Y2. START WORK-AGE
G4105	GH7Y1. LEFT EMPLOYER-YEARS AGO
G4106	GH7Y2. LEFT EMPLOYER-AGE
G4176_1	GH25.START WORK FOR EMPLOYER-YEAR
G4176_2	GH25.START WORK FOR EMPLOYER-YEAR
G4177_1	GH26.LEFT EMPLOYER-YEAR
G4177_2	GH26.LEFT EMPLOYER-YEAR
G4263	GH52Y3.GH52 FIRST-FINAL
G4264	GH52Y4.WORK SIX MONTH OR GREATER - YEAR
G4266	GH52A.BEGIN YEARS SIX MONTHS OR GREATER
G4267	GH52AA.END YEAR
G4268	GH52AB.YEARS
G4269	GH52AC.RANGE
HRS 2002:	
HK018	START WRK-YR
HK019	START WRK-YRS AGO
HK020	START WRK- AT AGE
HL078_1	START WRK FOR EMP- INC PENSION- YR- 1
HL078_2	START WRK FOR EMP- INC PENSION- YR- 2
HL079_1	LEFT EMPLOYER- INCLUDE PENSION- YR- 1

HL079_2	LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HL152	1ST WRK SIX MO OR GREATER- YR
HL153	BEGIN YR WORK SIX MOS OR GREATER
HL154	END YR WORK SIX MOS OR GREATER
HL155	# YRS WORK SIX MOS OR GREATER
HL156	ALL YRS WORK SIX MOS OR GREATER
HRS 2002-2014:	
xK004	LAST WRKED-MO
xL009	START WRK-YR
xL010	START WORK-YRS AGO
xL011	START WORK- AT AGE
xL017	LEFT EMPLOYER-YRS AGO
xL018	LEFT EMPLOYER- AT AGE
HRS 2002-2022:	
xJ007	MO UNEMPLOYED
xJ008	YR UNEMPLOYED
xJ011	MO LAST WORKED - LAID OFF
xJ012	YR LAST WORKED - LAID OFF
xJ014	DISABLED-MO
xJ015	DISABLED- YR
xJ017	RETIRED-MO
xJ018	RETIRED-YR
xJ020	WORKING FOR PAY
xJ021	WORK FOR SOMEONE ELSE/SLF-EMPLOYED
xJ023	STOPPED WORKING FOR SLF-MO
xJ024	STOPPED WORKING FOR SLF- YR
xJ045	STILL WORKING PREV EMPLOYER
xJ063	STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
xJ064	STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
xJ248	MO-START WORK FOR CURRENT EMPLOYER
xJ249	YR-START WORK FOR CURRENT EMPLOYER
HRS 2004-2014:	
xK005	LAST WRKED WHEN-YRS AGO
xK006	LAST WRKED-MO
xK022	START WRK-YR
xK023	START WRK-YRS AGO
xK024	START WRK- AT AGE
xL034A	START WRK FOR EMP- INC PENSION- YR- 1
xL034B	START WRK FOR EMP- INC PENSION- YR- 2
xL035A	LEFT EMPLOYER- INCLUDE PENSION- YR- 1
xL035B	LEFT EMPLOYER- INCLUDE PENSION- YR- 2
xL068	1ST WRK SIX MO OR GREATER- YR
xL069	BEGIN YR WORK SIX MOS OR GREATER
xL070	END YR WORK SIX MOS OR GREATER
xL071	# YRS WORK SIX MOS OR GREATER
xL072	ALL YRS WORK SIX MOS OR GREATER
HRS 2016-2022:	
xJK004	LAST WRKED WHEN-YR
xJK005	LAST WRKED WHEN-YRS AGO
xJK006	LAST WRKED-MO
xJK022	START WRK-YR
xJK023	START WRK-YRS AGO
xJK024	START WRK- AT AGE
xJL009_1	START WRK-YR
xJL009_2	LONGEST HELD JOB START WRK-YR
xJL010_1	START WORK-YRS AGO
xJL010_2	LONGEST HELD JOB START WORK-YRS AGO
xJL011_1	START WORK- AT AGE
xJL011_2	LONGEST HELD JOB START WORK- AT AGE

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xJL017_1        LEFT EMPLOYER-YRS AGO
xJL017_2        LEFT LONGEST HELD JOB EMPLOYER-YRS AGO
xJL018_1        LEFT EMPLOYER- AT AGE
xJL018_2        LEFT LONGEST HELD JOB EMPLOYER- AT AGE
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Month and year last job ended

Wave	Variable	Label	Type
1	R1JLASTM	R1JLASTM:W1 Month Last Worked/not workng	Cont
2	R2JLASTM	R2JLASTM:W2 Month Last Worked/not workng	Cont
3	R3JLASTM	R3JLASTM:W3 Month Last Worked/not workng	Cont
4	R4JLASTM	R4JLASTM:W4 Month Last Worked/not workng	Cont
5	R5JLASTM	R5JLASTM:W5 Month Last Worked/not workng	Cont
6	R6JLASTM	R6JLASTM:W6 Month Last Worked/not workng	Cont
7	R7JLASTM	R7JLASTM:W7 Month Last Worked/not workng	Cont
8	R8JLASTM	R8JLASTM:W8 Month Last Worked/not workng	Cont
9	R9JLASTM	R9JLASTM:W9 Month Last Worked/not workng	Cont
10	R10JLASTM	R10JLASTM:W10 Month Last Worked/not workng	Cont
11	R11JLASTM	R11JLASTM:W11 Month Last Worked/not workng	Cont
12	R12JLASTM	R12JLASTM:W12 Month Last Worked/not workng	Cont
13	R13JLASTM	R13JLASTM:W13 Month Last Worked/not workng	Cont
14	R14JLASTM	R14JLASTM:W14 Month Last Worked/not workng	Cont
15	R15JLASTM	R15JLASTM:W15 Month Last Worked/not workng	Cont
16	R16JLASTM	R16JLASTM:W16 Month Last Worked/not workng	Cont
1	S1JLASTM	S1JLASTM:W1 Month Last Worked/not workng	Cont
2	S2JLASTM	S2JLASTM:W2 Month Last Worked/not workng	Cont
3	S3JLASTM	S3JLASTM:W3 Month Last Worked/not workng	Cont
4	S4JLASTM	S4JLASTM:W4 Month Last Worked/not workng	Cont
5	S5JLASTM	S5JLASTM:W5 Month Last Worked/not workng	Cont
6	S6JLASTM	S6JLASTM:W6 Month Last Worked/not workng	Cont
7	S7JLASTM	S7JLASTM:W7 Month Last Worked/not workng	Cont
8	S8JLASTM	S8JLASTM:W8 Month Last Worked/not workng	Cont
9	S9JLASTM	S9JLASTM:W9 Month Last Worked/not workng	Cont
10	S10JLASTM	S10JLASTM:W10 Month Last Worked/not workng	Cont
11	S11JLASTM	S11JLASTM:W11 Month Last Worked/not workng	Cont
12	S12JLASTM	S12JLASTM:W12 Month Last Worked/not workng	Cont
13	S13JLASTM	S13JLASTM:W13 Month Last Worked/not workng	Cont
14	S14JLASTM	S14JLASTM:W14 Month Last Worked/not workng	Cont
15	S15JLASTM	S15JLASTM:W15 Month Last Worked/not workng	Cont
16	S16JLASTM	S16JLASTM:W16 Month Last Worked/not workng	Cont
1	R1JLASTY	R1JLASTY:W1 Year Last Worked/not working	Cont
2	R2JLASTY	R2JLASTY:W2 Year Last Worked/not working	Cont
3	R3JLASTY	R3JLASTY:W3 Year Last Worked/not working	Cont
4	R4JLASTY	R4JLASTY:W4 Year Last Worked/not working	Cont
5	R5JLASTY	R5JLASTY:W5 Year Last Worked/not working	Cont
6	R6JLASTY	R6JLASTY:W6 Year Last Worked/not working	Cont
7	R7JLASTY	R7JLASTY:W7 Year Last Worked/not working	Cont
8	R8JLASTY	R8JLASTY:W8 Year Last Worked/not working	Cont
9	R9JLASTY	R9JLASTY:W9 Year Last Worked/not working	Cont
10	R10JLASTY	R10JLASTY:W10 Year Last Worked/not working	Cont
11	R11JLASTY	R11JLASTY:W11 Year Last Worked/not working	Cont
12	R12JLASTY	R12JLASTY:W12 Year Last Worked/not working	Cont
13	R13JLASTY	R13JLASTY:W13 Year Last Worked/not working	Cont
14	R14JLASTY	R14JLASTY:W14 Year Last Worked/not working	Cont
15	R15JLASTY	R15JLASTY:W15 Year Last Worked/not working	Cont
16	R16JLASTY	R16JLASTY:W16 Year Last Worked/not working	Cont
1	S1JLASTY	S1JLASTY:W1 Year Last Worked/not working	Cont
2	S2JLASTY	S2JLASTY:W2 Year Last Worked/not working	Cont
3	S3JLASTY	S3JLASTY:W3 Year Last Worked/not working	Cont
4	S4JLASTY	S4JLASTY:W4 Year Last Worked/not working	Cont
5	S5JLASTY	S5JLASTY:W5 Year Last Worked/not working	Cont
6	S6JLASTY	S6JLASTY:W6 Year Last Worked/not working	Cont
7	S7JLASTY	S7JLASTY:W7 Year Last Worked/not working	Cont
8	S8JLASTY	S8JLASTY:W8 Year Last Worked/not working	Cont
9	S9JLASTY	S9JLASTY:W9 Year Last Worked/not working	Cont
10	S10JLASTY	S10JLASTY:W10 Year Last Worked/not working	Cont
11	S11JLASTY	S11JLASTY:W11 Year Last Worked/not working	Cont
12	S12JLASTY	S12JLASTY:W12 Year Last Worked/not working	Cont
13	S13JLASTY	S13JLASTY:W13 Year Last Worked/not working	Cont
14	S14JLASTY	S14JLASTY:W14 Year Last Worked/not working	Cont
15	S15JLASTY	S15JLASTY:W15 Year Last Worked/not working	Cont

16 S16JLASTY S16JLASTY:W16 Year Last Worked/not working Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JLASTM	2694	6.57	3.37	1.0	12.0
R2JLASTM	3045	6.41	3.39	1.0	12.0
R3JLASTM	3888	6.43	3.47	1.0	12.0
R4JLASTM	5240	6.61	3.57	1.0	12.0
R5JLASTM	5793	6.51	3.58	1.0	12.0
R6JLASTM	6395	6.46	3.52	1.0	12.0
R7JLASTM	6921	6.45	3.51	1.0	12.0
R8JLASTM	7142	6.48	3.51	1.0	12.0
R9JLASTM	7279	6.45	3.51	1.0	12.0
R10JLASTM	8455	6.51	3.48	1.0	12.0
R11JLASTM	8633	6.51	3.48	1.0	12.0
R12JLASTM	8516	6.52	3.51	1.0	12.0
R13JLASTM	8593	6.51	3.49	1.0	12.0
R14JLASTM	7753	6.59	3.48	1.0	12.0
R15JLASTM	7731	6.45	3.48	1.0	12.0
R16JLASTM	7276	6.56	3.51	1.0	12.0
S1JLASTM	2099	6.60	3.37	1.0	12.0
S2JLASTM	2284	6.44	3.36	1.0	12.0
S3JLASTM	2836	6.42	3.42	1.0	12.0
S4JLASTM	3595	6.72	3.53	1.0	12.0
S5JLASTM	3931	6.61	3.56	1.0	12.0
S6JLASTM	4264	6.55	3.50	1.0	12.0
S7JLASTM	4531	6.53	3.50	1.0	12.0
S8JLASTM	4570	6.57	3.52	1.0	12.0
S9JLASTM	4528	6.53	3.52	1.0	12.0
S10JLASTM	5114	6.55	3.51	1.0	12.0
S11JLASTM	5098	6.56	3.51	1.0	12.0
S12JLASTM	4819	6.55	3.53	1.0	12.0
S13JLASTM	4596	6.54	3.52	1.0	12.0
S14JLASTM	4048	6.63	3.49	1.0	12.0
S15JLASTM	4072	6.44	3.51	1.0	12.0
S16JLASTM	3610	6.58	3.56	1.0	12.0
R1JLASTY	3741	1984.60	8.98	1945.0	1993.0
R2JLASTY	6760	1982.64	11.86	1920.0	1995.0
R3JLASTY	9440	1983.45	11.28	1920.0	1996.0
R4JLASTY	11338	1985.84	11.36	1920.0	1999.0
R5JLASTY	10859	1987.53	11.38	1920.0	2000.0
R6JLASTY	10631	1989.68	11.34	1929.0	2003.0
R7JLASTY	10819	1991.79	11.28	1929.0	2005.0
R8JLASTY	10458	1993.56	11.16	1929.0	2007.0
R9JLASTY	10089	1995.28	11.18	1929.0	2009.0
R10JLASTY	11357	1998.72	10.79	1935.0	2011.0
R11JLASTY	11036	2000.56	10.54	1935.0	2013.0
R12JLASTY	10475	2002.31	10.49	1935.0	2014.0
R13JLASTY	10539	2005.03	10.20	1935.0	2018.0
R14JLASTY	9113	2006.97	10.09	1944.0	2019.0
R15JLASTY	8876	2009.16	10.02	1944.0	2021.0
R16JLASTY	8653	2011.26	9.79	1946.0	2023.0

S1JLASTY	2923	1984.45	9.22	1947.0	1993.0
S2JLASTY	4561	1983.43	11.36	1928.0	1995.0
S3JLASTY	5913	1984.65	10.79	1931.0	1996.0
S4JLASTY	6946	1987.01	10.82	1931.0	1999.0
S5JLASTY	6598	1988.94	10.58	1932.0	2000.0
S6JLASTY	6387	1991.17	10.48	1932.0	2003.0
S7JLASTY	6456	1993.20	10.29	1932.0	2005.0
S8JLASTY	6164	1994.90	10.23	1940.0	2007.0
S9JLASTY	5788	1996.69	10.12	1941.0	2009.0
S10JLASTY	6461	1999.97	9.80	1941.0	2011.0
S11JLASTY	6194	2001.69	9.61	1944.0	2013.0
S12JLASTY	5677	2003.47	9.62	1945.0	2014.0
S13JLASTY	5443	2006.00	9.54	1945.0	2018.0
S14JLASTY	4636	2008.02	9.46	1945.0	2019.0
S15JLASTY	4567	2010.30	9.35	1945.0	2021.0
S16JLASTY	4165	2012.29	9.09	1955.0	2023.0

How Constructed

RwJLASTM and RwJLASTY are the month and year, respectively, when the Respondent last worked. It is set to .W if the Respondent is working at Wave 'w.'

Except for the AHEAD entry cohort, a Respondent is asked about past jobs retrospectively at their first interview. If the Respondent is not working, information about the last job is collected. If the Respondent reports ever having worked, then the start and stop years of the most recent job held are obtained. Regardless of whether the Respondent is working or not, questions ask about jobs held for 5 or more years. If the Respondent worked for 5+ years on any other jobs, start and stop dates are obtained for the most recent of them. If any other of the 5+ year jobs had a retirement plan, up to 2 more job start and stop years may be asked. These job history questions were not asked in Waves 2A or 3A. For those in the AHEAD entry cohort, job history information was collected at Wave 4. In Wave 2A if the Respondent is unemployed but has worked in the last two years, then the stop date of the last job is asked.

After the first interview, the Respondent is asked when the last interview job ended if the Respondent changes work status, e.g., from employed to not.

For the first interview, the most recent job stop date is selected from among the retrospective job history dates that precede the interview, if the Respondent is not working. This is based on a comparison of the actual dates given rather than simply using the particular "most recent job" question.

At subsequent interviews where the Respondent is not working, they are asked when the previous interview job ended. The derivation uses the most recent job stop date. This is based on a comparison of the actual dates given, selecting the most recent date. If the Respondent is not working over consecutive waves, RwJLASTM and RwJLASTY are carried forward.

Job stop dates are reported as month and year or just year. If the month is missing then RwJLASTM is set to missing. To help fill in missing job stop dates between interviews, the months and years given for retirement, disability, unemployment, and temporary layoff are also examined. These dates are asked when the Respondent reports the applicable employment status.

If the Respondent is working, then RwJLASTM and RwJLASTY are set to a .W missing code. If the Respondent never worked, RwJLASTM and RwJLASTY are set to a .N missing code.

SwJLASTM and SwJLASTY are taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJLASTM and RwJLASTY.

Cross Wave Differences in Original HRS Data

Questions at each interview ask the Respondent's current work status and job change information. Generally at a Respondent's first interview, information about past jobs is obtained. The types of information, question wording, and general structure of questions on job transitions and history are similar across waves but some of the details vary. For the AHEAD entry cohort, the complete set of job history questions are not asked in Waves 2A and 3A, but are asked for the first time at Wave 4.

At the Respondent's first interview, or Wave 4 for the AHEAD entry cohort, questions are asked about past jobs. If the Respondent is not working, then information is gathered about their last job, if there is one. Whether the Respondent is working or not, questions also ask about jobs held 5 or more years, besides the current or last job. If the Respondent has at least one other past job held 5 or more years, the start and stop months, occupation, and industry are collected for the most recent one. If there is more than one 5-year job, then a question asks:

"Besides the jobs you have already told me about, have you worked for any other employer where you were included in a pension or retirement plan, or in a tax-deferred savings plan of some sort?"

If the Respondent answers yes, then the start and stop years of up to two of these jobs are obtained, but industry and occupation are not asked. Altogether the retrospective job history can provide information on up to 3 jobs and a last job, if the Respondent is unemployed. The 3 jobs will only include the most recent past job that lasted at least 5 years, and 2 more that offered pension or retirement plans.

In Wave 2A, if the Respondent is not working, but has worked during the last two years, information about that last job is collected, including the stop date.

Each interview obtains the Respondent's current work status. At the Respondent's first interview, questions ask the start date, industry, and occupation of their current job if they are working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

HRS Variables Used

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HRS 1992:
    V12717          F2:ANY WRK FOR PAY  :IND
    V12718          F3:WHO WORK FOR     :IND
    V2708           F1a:MONTH UNEMPLOYED
    V2711           F1c:LAST WRK THIS JOB-MO
    V2712           F1c:LAST WRK THIS JOB-YR
    V2713           F1d:MO BECAME DISABLED
    V2714           F1d:YR BECAME DISABLED
    V2715           F1e:MONTH RETIRED
    V2716           F1e:YEAR RETIRED
    V2717           F2:ANY WRK FOR PAY  :IMP
    V2718           F3:WHO WORK FOR     :IMP
    V3401           G1:  RK/PAY +FEW MOS:IMP
    V3402           G1A:MO LST WRK W/PAY
    V3403           G1A:YR LST WRK W/PAY
    V3607           H7:YEAR STP WRKNG AT JB
    V3705           H26:1ST:YR LEFT THERE
    V3805           H26:NXT:YR LEFT THERE
AHEAD 1993:
    B1174           G1. WORKING CURRENTLY?
    B1175           G1a. WORK LAST 2 YRS?
    B1178           G2. CURRENTLY SELF EMPLOYED
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	B1207	G11. JOB LAST 2 YEARS: END MONTH
	B1208	G11. JOB LAST 2 YEARS: END YEAR
	B1232	G20. EVER WORK 10/+ YRS?
HRS 1994:		
	W3307	FA1a.UNEMPLOYED-MONTH
	W3308	FA1b.UNEMPLOYED-YEAR
	W3310	FA1d.LAST WORKED ON JOB-
	W3311	FA1e.LAST WORKED ON JOB-
	W3312	FA1f.DISABLED-MONTH
	W3313	FA1f.DISABLED-YEAR
	W3314	FA1h.RETIRED-MONTH
	W3315	FA1h.RETIRED-YEAR
	W3316	FA2.WORKING FOR PAY
	W3317	FA3.WORK FOR SOMEONE ELS
	W3318	FA5.STOPPED WORKING FOR
	W3319	FA5.STOPPED WORKING FOR
	W3503	FA26.STOPPED WORKING FOR
	W3504	FA26.STOPPED WORKING FOR
	W4200	FB2.STOPPED WORK FOR EMP
	W4201	FB2a.STOPPED WORK FOR EM
	W4800	FC2.MONTH STOPPED SELF-E
	W4801	FC2a.YEAR STOPPED SELF-E
	W4897	FC16.MONTH STOPPED WORK
	W4898	FC16a.YEAR STOPPED WORK
	W7000	G1.EVER WRKD FOR PAY MOR
	W7002	G1a.LAST WORKED-YEAR
	W7003	G1a.LAST WORKED-YEARS AG
	W7004	G1a.LAST WORKED-MONTH
	W7108	H7.LEFT EMPLOYER-YEAR
	W7109	H7.LEFT EMPLOYER-YEARS A
	W7110	H7.LEFT EMPLOYER-AGE
	W7163	EMP1. H26.LEFT EMPLOYER-
	W7197	EMP2. H26.LEFT EMPLOYER-
AHEAD 1995:		
	D2626M1	GA1. CURRENT JOB STATUS
	D2626M2	GA1. CURRENT JOB STATUS
	D2626M3	GA1. CURRENT JOB STATUS
	D2627	GA1A. WHEN BECAME UNEMPLOYED
	D2628	GA1B. YEAR BECAME UNEMPLOYED
	D2633	GA1D. MONTH LAST WORKED - TEMPORARY
	D2634	GA1E. YEAR LAST WORKED - TEMPORARY
	D2638	GA1F. MONTH DISABLED
	D2639	GA1G. YEAR DISABLED
	D2643	GA1J.YEAR RETIRED
	D2644	GA1J.MONTH RETIRED
	D2651	GA2.WORKING ANY CURRENT
	D2653	GA3. SELF/OTHER EMPLOYED
	D2654	GA5. MONTH STOPPED SELF-EMPL
	D2655	GA5A. YEAR STOPPED SELF-EMPL
	D2759	GA26. MONTH STOPPED WORKING WAVE I EMPLO
	D2760	GA26A. YEAR STOPPED WORKING WAVE I EMPLO
	D3188	GB2. MONTH STOPPED SELF-EMPL
	D3545	GC2. MONTH STOPPED SELF-EMPL
	D3546	GC2A. YEAR STOPPED SELF-EMPL
	D3639	GC16. MONTH STOPPED WORKING WAVE I EMPLO
HRS 1996:		
	E2612	G1A.UNEMPLOYED-MONTH
	E2613	G1B.UNEMPLOYED-YEAR
	E2616	G1D.LAST WORKED ON JOB-MONTH

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    E2617           G1E.LAST WORKED ON JOB-YEAR
    E2619           G1F.DISABLED-MONTH
    E2620           G1G.DISABLED-YEAR
    E2622           G1H.RETIRED-MONTH
    E2623           G1J.RETIRED-YEAR
    E2627           G2.WORKING FOR PAY
    E2628           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    E2630           G5.STOPPED WORKING FOR SELF-MONTH
    E2631           G5A.STOPPED WORKING FOR SELF-YEAR
    E2667           G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
    E2668           G26A.STOP WORKING FOR PREV WAVE EMPLOYER
    E3125           GG1.EVER WRKD FOR PAY MORE THN FEW MTHS?
    E3127           GG1A.LAST WORKED-YEAR
    E3128           GG1A.LAST WORKED-YEARS AGO
    E3129           GG1A.LAST WORKED-MONTH
    E3337           GH7.LEFT EMPLOYER-YEAR
    E3338           GH7.LEFT EMPLOYER-YEARS AGO
    E3339           GH7.LEFT EMPLOYER-AGE
HRS 1998:
    F3116           G1A.UNEMPLOYED-MONTH
    F3117           G1B.UNEMPLOYED-YEAR
    F3120           G1D.LAST WORKED ON JOB-MONTH
    F3121           G1E.LAST WORKED ON JOB-YEAR
    F3123           G1F.DISABLED-MONTH
    F3124           G1G.DISABLED-YEAR
    F3126           G1H.RETIRED-MONTH
    F3127           G1J.RETIRED-YEAR
    F3131           G2.WORKING FOR PAY
    F3132           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    F3134           G5.STOPPED WORKING FOR SELF-MONTH
    F3135           G5A.STOPPED WORKING FOR SELF-YEAR
    F3188           G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
    F3189           G26A.STOP WORKING FOR PREV WAVE EMPLOYER
    F3643           GG1.EVER WORKED FOR PAY MORE THAN FEW MT
    F3644           GG1A1.LAST WORKED WHEN-YEAR
    F3645           GG1A2.LAST WORKED WHEN-YEARS AGO
    F3647           GG1A.LAST WORKED-MONTH
    F3842           GH7.LEFT EMPLOYER-YEAR
    F3843           GH7.LEFT EMPLOYER-YEARS AGO
    F3844           GH7.LEFT EMPLOYER-AGE
    F3904_1         GH26.LEFT EMPLOYER-YEAR
    F3904_2         GH26.LEFT EMPLOYER-YEAR
HRS 2000:
    G3366           G1A.UNEMPLOYED-MONTH
    G3367           G1B.UNEMPLOYED-YEAR
    G3370           G1D.LAST WORKED ON JOB-MONTH
    G3371           G1E.LAST WORKED ON JOB-YEAR
    G3373           G1F.DISABLED-MONTH
    G3374           G1G.DISABLED-YEAR
    G3376           G1H.RETIRED-MONTH
    G3377           G1J.RETIRED-YEAR
    G3381           G2.WORKING FOR PAY
    G3382           G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
    G3384           G5.STOPPED WORKING FOR SELF-MONTH
    G3385           G5A.STOPPED WORKING FOR SELF-YEAR
    G3437           G26.STOP WORK PREV WAVE EMPLYR-MO
    G3438           G26A.STOP WORK PREV WAVE EMPLYR-YR
    G3953           GG1.WORK FOR PAY MORE THAN FEW MOS
    G3954           GG1A1.LAST WORKED WHEN-YEAR
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    G3955           GG1A2.LAST WORKED WHEN-YEARS AGO
    G3957           GG1A.LAST WORKED-MONTH
    G4105           GH7Y1. LEFT EMPLOYER-YEARS AGO
    G4106           GH7Y2. LEFT EMPLOYER-AGE
    G4177_1         GH26.LEFT EMPLOYER-YEAR
    G4177_2         GH26.LEFT EMPLOYER-YEAR
HRS 2002:
    HK001           WORK FOR PAY MORE THAN FEW MOS
    HK002           LAST WRKED WHEN-YR
    HL079_1         LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    HL079_2         LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2002-2014:
    xK003           LAST WRKED WHEN-YRS AGO
    xK004           LAST WRKED-MO
    xL017           LEFT EMPLOYER-YRS AGO
    xL018           LEFT EMPLOYER- AT AGE
HRS 2002-2022:
    xJ007           MO UNEMPLOYED
    xJ008           YR UNEMPLOYED
    xJ011           MO LAST WORKED - LAID OFF
    xJ012           YR LAST WORKED - LAID OFF
    xJ014           DISABLED-MO
    xJ015           DISABLED- YR
    xJ017           RETIRED-MO
    xJ018           RETIRED-YR
    xJ020           WORKING FOR PAY
    xJ021           WORK FOR SOMEONE ELSE/SLF-EMPLOYED
    xJ023           STOPPED WORKING FOR SLF-MO
    xJ024           STOPPED WORKING FOR SLF- YR
    xJ063           STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
    xJ064           STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
HRS 2004-2014:
    xK005           LAST WRKED WHEN-YRS AGO
    xK006           LAST WRKED-MO
    xL035A          LEFT EMPLOYER- INCLUDE PENSION- YR- 1
    xL035B          LEFT EMPLOYER- INCLUDE PENSION- YR- 2
```

Section P: Leave Behind Psycho-Social Questionnaire

Leave-Behind Weights and Eligibility

Wave	Variable	Label	Type
8	R8LBWGTR	R8LBWGTR:W8 R weight for LB Psychosocial Survey	Cont
9	R9LBWGTR	R9LBWGTR:W9 R weight for LB Psychosocial Survey	Cont
10	R10LBWGTR	R10LBWGTR:W10 R weight for LB Psychosocial Survey	Cont
11	R11LBWGTR	R11LBWGTR:W11 R weight for LB Psychosocial Survey	Cont
12	R12LBWGTR	R12LBWGTR:W12 R weight for LB Psychosocial Survey	Cont
13	R13LBWGTR	R13LBWGTR:W13 R weight for LB Psychosocial Survey	Cont
14	R14LBWGTR	R14LBWGTR:W14 R weight for LB Psychosocial Survey	Cont
15	R15LBWGTR	R15LBWGTR:W15 R weight for LB Psychosocial Survey	Cont
16	R16LBWGTR	R16LBWGTR:W16 R weight for LB Psychosocial Survey	Cont
8	S8LBWGTR	S8LBWGTR:W8 S weight for LB Psychosocial Survey	Cont
9	S9LBWGTR	S9LBWGTR:W9 S weight for LB Psychosocial Survey	Cont
10	S10LBWGTR	S10LBWGTR:W10 S weight for LB Psychosocial Survey	Cont
11	S11LBWGTR	S11LBWGTR:W11 S weight for LB Psychosocial Survey	Cont
12	S12LBWGTR	S12LBWGTR:W12 S weight for LB Psychosocial Survey	Cont
13	S13LBWGTR	S13LBWGTR:W13 S weight for LB Psychosocial Survey	Cont
14	S14LBWGTR	S14LBWGTR:W14 S weight for LB Psychosocial Survey	Cont
15	S15LBWGTR	S15LBWGTR:W15 S weight for LB Psychosocial Survey	Cont
16	S16LBWGTR	S16LBWGTR:W16 S weight for LB Psychosocial Survey	Cont
8	R8LBELIG	R8LBELIG:W8 Eligible for LB Psychosocial Survey	Categ
9	R9LBELIG	R9LBELIG:W9 Eligible for LB Psychosocial Survey	Categ
10	R10LBELIG	R10LBELIG:W10 Eligible for LB Psychosocial Survey	Categ
11	R11LBELIG	R11LBELIG:W11 Eligible for LB Psychosocial Survey	Categ
12	R12LBELIG	R12LBELIG:W12 Eligible for LB Psychosocial Survey	Categ
13	R13LBELIG	R13LBELIG:W13 Eligible for LB Psychosocial Survey	Categ
14	R14LBELIG	R14LBELIG:W14 Eligible for LB Psychosocial Survey	Categ
15	R15LBELIG	R15LBELIG:W15 Eligible for LB Psychosocial Survey	Categ
16	R16LBELIG	R16LBELIG:W16 Eligible for LB Psychosocial Survey	Categ
8	S8LBELIG	S8LBELIG:W8 Eligible for LB Psychosocial Survey	Categ
9	S9LBELIG	S9LBELIG:W9 Eligible for LB Psychosocial Survey	Categ
10	S10LBELIG	S10LBELIG:W10 Eligible for LB Psychosocial Survey	Categ
11	S11LBELIG	S11LBELIG:W11 Eligible for LB Psychosocial Survey	Categ
12	S12LBELIG	S12LBELIG:W12 Eligible for LB Psychosocial Survey	Categ
13	S13LBELIG	S13LBELIG:W13 Eligible for LB Psychosocial Survey	Categ
14	S14LBELIG	S14LBELIG:W14 Eligible for LB Psychosocial Survey	Categ
15	S15LBELIG	S15LBELIG:W15 Eligible for LB Psychosocial Survey	Categ
16	S16LBELIG	S16LBELIG:W16 Eligible for LB Psychosocial Survey	Categ
8	R8LBCOMP	R8LBCOMP:W8 Completed LB Psychosocial Survey	Categ
9	R9LBCOMP	R9LBCOMP:W9 Completed LB Psychosocial Survey	Categ
10	R10LBCOMP	R10LBCOMP:W10 Completed LB Psychosocial Survey	Categ
11	R11LBCOMP	R11LBCOMP:W11 Completed LB Psychosocial Survey	Categ
12	R12LBCOMP	R12LBCOMP:W12 Completed LB Psychosocial Survey	Categ
13	R13LBCOMP	R13LBCOMP:W13 Completed LB Psychosocial Survey	Categ
14	R14LBCOMP	R14LBCOMP:W14 Completed LB Psychosocial Survey	Categ
15	R15LBCOMP	R15LBCOMP:W15 Completed LB Psychosocial Survey	Categ
16	R16LBCOMP	R16LBCOMP:W16 Completed LB Psychosocial Survey	Categ
8	S8LBCOMP	S8LBCOMP:W8 Completed LB Psychosocial Survey	Categ
9	S9LBCOMP	S9LBCOMP:W9 Completed LB Psychosocial Survey	Categ
10	S10LBCOMP	S10LBCOMP:W10 Completed LB Psychosocial Survey	Categ
11	S11LBCOMP	S11LBCOMP:W11 Completed LB Psychosocial Survey	Categ
12	S12LBCOMP	S12LBCOMP:W12 Completed LB Psychosocial Survey	Categ
13	S13LBCOMP	S13LBCOMP:W13 Completed LB Psychosocial Survey	Categ
14	S14LBCOMP	S14LBCOMP:W14 Completed LB Psychosocial Survey	Categ
15	S15LBCOMP	S15LBCOMP:W15 Completed LB Psychosocial Survey	Categ
16	S16LBCOMP	S16LBCOMP:W16 Completed LB Psychosocial Survey	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8LBWGTR	9571	8174.54	7219.99	0.0	35349.0
R9LBWGTR	8295	8933.09	7888.43	0.0	31063.0
R10LBWGTR	11213	8581.04	8935.62	0.0	39713.0
R11LBWGTR	10079	9134.66	9956.39	0.0	43733.0
R12LBWGTR	9549	9060.00	9282.76	0.0	43873.0
R13LBWGTR	9575	11325.80	15148.14	0.0	82800.0
R14LBWGTR	8295	12493.51	15352.70	0.0	81298.0
R15LBWGTR	6993	14081.99	17853.69	0.0	85019.0
R16LBWGTR	6418	14392.95	19706.06	0.0	82969.0
S8LBWGTR	6204	8347.29	7280.28	0.0	35349.0
S9LBWGTR	5038	9188.27	8128.54	0.0	31063.0
S10LBWGTR	6931	8854.47	9026.61	0.0	39713.0
S11LBWGTR	6045	9442.87	10075.51	0.0	40201.0
S12LBWGTR	5678	9556.10	9524.20	0.0	43873.0
S13LBWGTR	5269	12531.35	15728.46	0.0	82800.0
S14LBWGTR	4506	14023.67	16164.95	0.0	81298.0
S15LBWGTR	3587	16450.63	18742.43	0.0	85019.0
S16LBWGTR	3296	16962.38	20949.62	0.0	82969.0
R8LBELIG	18469	0.47	0.50	0.0	1.0
R9LBELIG	17217	0.48	0.50	0.0	1.0
R10LBELIG	22032	0.51	0.50	0.0	1.0
R11LBELIG	20554	0.49	0.50	0.0	1.0
R12LBELIG	18747	0.51	0.50	0.0	1.0
R13LBELIG	20912	0.49	0.50	0.0	1.0
R14LBELIG	17146	0.51	0.50	0.0	1.0
R15LBELIG	15723	0.47	0.50	0.0	1.0
R16LBELIG	15787	0.55	0.50	0.0	1.0
S8LBELIG	11735	0.49	0.50	0.0	1.0
S9LBELIG	10646	0.47	0.50	0.0	1.0
S10LBELIG	13513	0.51	0.50	0.0	1.0
S11LBELIG	12484	0.48	0.50	0.0	1.0
S12LBELIG	11012	0.52	0.50	0.0	1.0
S13LBELIG	11779	0.49	0.50	0.0	1.0
S14LBELIG	9358	0.52	0.50	0.0	1.0
S15LBELIG	8477	0.46	0.50	0.0	1.0
S16LBELIG	7840	0.55	0.50	0.0	1.0
R8LBCOMP	8705	0.89	0.32	0.0	1.0
R9LBCOMP	8307	0.85	0.36	0.0	1.0
R10LBCOMP	11235	0.74	0.44	0.0	1.0
R11LBCOMP	10080	0.74	0.44	0.0	1.0
R12LBCOMP	9554	0.79	0.41	0.0	1.0
R13LBCOMP	10252	0.62	0.49	0.0	1.0
R14LBCOMP	8807	0.65	0.48	0.0	1.0
R15LBCOMP	7444	0.63	0.48	0.0	1.0
R16LBCOMP	8739	0.51	0.50	0.0	1.0
S8LBCOMP	5718	0.91	0.29	0.0	1.0
S9LBCOMP	5045	0.88	0.33	0.0	1.0
S10LBCOMP	6940	0.77	0.42	0.0	1.0
S11LBCOMP	6045	0.77	0.42	0.0	1.0
S12LBCOMP	5679	0.82	0.39	0.0	1.0
S13LBCOMP	5738	0.66	0.47	0.0	1.0

S14LBCOMP	4872	0.70	0.46	0.0	1.0
S15LBCOMP	3901	0.69	0.46	0.0	1.0
S16LBCOMP	4406	0.56	0.50	0.0	1.0

Categorical Variable Codes

RwLBELIG: Eligible for LB Psychosocial Survey

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Other missing										2
0. Ineligible for LB								9788	8921	10819
1. Eligible for LB								8681	8296	11213

Value	w11	w12	w13	w14	w15	w16
.M=Other missing						
0. Ineligible for LB	10475	9198	10674	8340	8279	7149
1. Eligible for LB	10079	9549	10238	8806	7444	8638

SwLBELIG: Eligible for LB Psychosocial Survey

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried								6417	6206	7797
.V=Spouse NR								317	365	724
0. Ineligible for LB								6036	5608	6582
1. Eligible for LB								5699	5038	6931

Value	w11	w12	w13	w14	w15	w16
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0. Ineligible for LB	6439	5334	6047	4486	4576	3492
1. Eligible for LB	6045	5678	5732	4872	3901	4348

RwLBCOMP: Completed LB Psychosocial Survey

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB								9764	8910	10797
.M=Other missing										2
0. Did not return LB								975	1234	2903
1. Returned LB								7730	7073	8332

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	10474	9193	10660	8339	8279	7048
.M=Other missing						
0. Did not return LB	2668	2013	3882	3069	2756	4274
1. Returned LB	7412	7541	6370	5738	4688	4465

SwLBCOMP: Completed LB Psychosocial Survey

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB								6017	5601	6573
.U=Unmarried								6417	6206	7797
.V=Spouse NR								317	365	724
0. Did not return LB								526	614	1603
1. Returned LB								5192	4431	5337

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	6439	5333	6041	4486	4576	3434
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
0. Did not return LB	1407	1044	1958	1475	1219	1935
1. Returned LB	4638	4635	3780	3397	2682	2471

General Comments

RwLBWGTR, RwLBELIG, and RwLBCOMP and their corresponding spouse variables are indicators used to identify Respondents to the Leave-Behind Questionnaire in a given wave. The survey is also referred to as the "Psychosocial and Lifestyle Questionnaire," the "Questionnaire on Your Everyday Life and Well-being," the "Participant Lifestyle Questionnaire," or the "Self-Administered Questionnaire (SAQ)." More detailed information about the administration of the Leave-Behind Questionnaire can be found in the 2006-2022 HRS Psychosocial and Lifestyle Questionnaire User Guide on the HRS website.

How Constructed

The sampling weight RwLBWGTR is taken directly from the Tracker variables xLBWGTR , described in the Tracker file documentation and in the 2006-2022 HRS Psychosocial and Lifestyle Questionnaire User Guide under Section "Weights." It is the product of (1) the core nursing home weights for the given wave, (2) a non-response adjustment factor, and (3) a post stratification adjustment to the weighted HRS sample. To adjust for non-response, HRS utilized a propensity model for completing the psychosocial SAQ among all eligible cases. Predictor variables include age, sex, race/ethnicity, coupleness, education, work status, self-rated health, counts of functional limitations (Nagi, IADL and ADL), vision rating, cognitive status, and religious attendance. Weights are provided at the Respondent level.

RwLBELIG indicates whether a Respondent was eligible to receive the Leave-Behind Survey. Half of the HRS sample is eligible to receive the survey in each wave. The alternative half of the sample is eligible to receive the survey in the following wave. This results in an alternating wave pattern for each Respondent, where Respondents will be eligible in non-consecutive waves or every four years. Respondents who are eligible to take the Leave-Behind Survey are coded as 1 while Respondents assigned to the other cohort are coded as 0.

RwLBCOMP indicates whether an eligible Respondent returned the Leave-Behind Survey. Respondents who returned the Leave-Behind Survey in a given wave are coded as 1 while eligible Respondents who fail to return the questionnaire are coded as 0. Those who are ineligible are set to ".A=Ineligible for LB" Ineligible for Leave-Behind.

SwLBWGTR, SwLBELIG and SwLBCOMP are analogous variables for spouses. Beginning in Wave 9 (2008), a Respondent's eligibility matches that of their spouse or partner except in specific cases where two Respondents already part of the HRS study with existing mismatched eligibility become spouses.

Cross Wave Differences in Original HRS Data

In Wave 8 (2006), the Leave-Behind Survey was administered to Respondents who completed their HRS core interview in person as opposed to by telephone. Respondents whose interview was completed by a proxy Respondent and those residing in nursing homes were eligible as long as the interview was conducted in person. In Waves 9-12 (2008-2014) the mode restriction was lifted and all living Respondents were eligible for the Leave-Behind Questionnaire. Beginning in Wave 13 (2016), the eligibility rules were tightened to match those for the HRS Physical Measures and Biomarkers. Specifically, the Leave-Behind Questionnaire will only be administered to self-Respondents who are non-institutionalized and who complete their HRS core interview through the first section of the core interview in person.

In Wave 8 and Wave 9 (2006 and 2008), Respondents who had not returned a Leave-Behind Questionnaire after the second reminder notice were offered the option of completing the Leave-Behind Questionnaire by telephone. This practice was discontinued after Wave 9 due to cost.

Beginning in Wave 8 (2006), Respondents received a $20 incentive for the Leave-Behind Questionnaire. For most Respondents, this incentive is presented at the end of the interview when the interviewer introduces the Leave-Behind Questionnaire. However, in Wave 10 the Leave-Behind incentive was included with other interview incentives. New cohort Respondents typically received their interview incentive at the end of the interview, after the Leave-Behind questionnaire was introduced. They were not informed that part of the incentive was for the core interview and part for the Leave-Behind Questionnaire.

In Wave 8 (2006), 172 spouse pairs have mismatched eligibility. This mismatch is due to a mode switch that occurred for one Respondent in the spouse pair. Beginning in Wave 9, this mode switch no longer categorized Respondents as ineligible. Respondents who were ineligible for this reason in Wave 8 retain their original eligibility pattern and have synchronized eligibility with their spouse thereafter.

In Wave 16 (2022), new cohort Respondents (HACOHORT=8) weights have not been assigned .

In Wave 16, 100 new cohort Respondents (HACOHORT=8) may have misidentified eligibility where they are marked as ineligible but still have a returned Leave-Behind Survey. We do not recode the eligibility status for these Respondents regardless of if they have a returned survey. The use of the special missing code ".A=Ineligible for LB" is restricted in Wave 16 for psychosocial variables that have a returned survey. In cases where a Respondent is assigned to the ineligible cohort and a survey has been returned, psychosocial variable and scale inputs that have been skipped by the Respondent are set to ".M=Other Missing." These Respondents were not assigned Leave-Behind Weights by HRS for Wave 16.

HRS Variables Used

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HRS 2006-2022:
    xLBCOMP          MODE COMPLETED LEAVE BEHIND QNAIRE
    xLBELIG          2006 LEAVE BEHIND ELIGIBILITY
Tracker:
    xLBWGTR              2006-2022 RESPONDENT WEIGHT FOR THE 2006 LEAVE BEHIND QNAIRE
```

Big 5 Personality Traits

Wave	Variable	Label	Type
8	R8LBNEUR	R8LBNEUR:W8 Big 5 Neuroticism	Cont
9	R9LBNEUR	R9LBNEUR:W9 Big 5 Neuroticism	Cont
10	R10LBNEUR	R10LBNEUR:W10 Big 5 Neuroticism	Cont
11	R11LBNEUR	R11LBNEUR:W11 Big 5 Neuroticism	Cont
12	R12LBNEUR	R12LBNEUR:W12 Big 5 Neuroticism	Cont
13	R13LBNEUR	R13LBNEUR:W13 Big 5 Neuroticism	Cont
14	R14LBNEUR	R14LBNEUR:W14 Big 5 Neuroticism	Cont
15	R15LBNEUR	R15LBNEUR:W15 Big 5 Neuroticism	Cont
16	R16LBNEUR	R16LBNEUR:W16 Big 5 Neuroticism	Cont
8	S8LBNEUR	S8LBNEUR:W8 Big 5 Neuroticism	Cont
9	S9LBNEUR	S9LBNEUR:W9 Big 5 Neuroticism	Cont
10	S10LBNEUR	S10LBNEUR:W10 Big 5 Neuroticism	Cont
11	S11LBNEUR	S11LBNEUR:W11 Big 5 Neuroticism	Cont
12	S12LBNEUR	S12LBNEUR:W12 Big 5 Neuroticism	Cont
13	S13LBNEUR	S13LBNEUR:W13 Big 5 Neuroticism	Cont
14	S14LBNEUR	S14LBNEUR:W14 Big 5 Neuroticism	Cont
15	S15LBNEUR	S15LBNEUR:W15 Big 5 Neuroticism	Cont
16	S16LBNEUR	S16LBNEUR:W16 Big 5 Neuroticism	Cont
8	R8LBEXT	R8LBEXT:W8 Big 5 Extroversion	Cont
9	R9LBEXT	R9LBEXT:W9 Big 5 Extroversion	Cont
10	R10LBEXT	R10LBEXT:W10 Big 5 Extroversion	Cont
11	R11LBEXT	R11LBEXT:W11 Big 5 Extroversion	Cont
12	R12LBEXT	R12LBEXT:W12 Big 5 Extroversion	Cont
13	R13LBEXT	R13LBEXT:W13 Big 5 Extroversion	Cont
14	R14LBEXT	R14LBEXT:W14 Big 5 Extroversion	Cont
15	R15LBEXT	R15LBEXT:W15 Big 5 Extroversion	Cont
16	R16LBEXT	R16LBEXT:W16 Big 5 Extroversion	Cont
8	S8LBEXT	S8LBEXT:W8 Big 5 Extroversion	Cont
9	S9LBEXT	S9LBEXT:W9 Big 5 Extroversion	Cont
10	S10LBEXT	S10LBEXT:W10 Big 5 Extroversion	Cont
11	S11LBEXT	S11LBEXT:W11 Big 5 Extroversion	Cont
12	S12LBEXT	S12LBEXT:W12 Big 5 Extroversion	Cont
13	S13LBEXT	S13LBEXT:W13 Big 5 Extroversion	Cont
14	S14LBEXT	S14LBEXT:W14 Big 5 Extroversion	Cont
15	S15LBEXT	S15LBEXT:W15 Big 5 Extroversion	Cont
16	S16LBEXT	S16LBEXT:W16 Big 5 Extroversion	Cont
8	R8LBOPEN	R8LBOPEN:W8 Big 5 Openness to experience	Cont
9	R9LBOPEN	R9LBOPEN:W9 Big 5 Openness to experience	Cont
10	R10LBOPEN	R10LBOPEN:W10 Big 5 Openness to experience	Cont
11	R11LBOPEN	R11LBOPEN:W11 Big 5 Openness to experience	Cont
12	R12LBOPEN	R12LBOPEN:W12 Big 5 Openness to experience	Cont
13	R13LBOPEN	R13LBOPEN:W13 Big 5 Openness to experience	Cont
14	R14LBOPEN	R14LBOPEN:W14 Big 5 Openness to experience	Cont
15	R15LBOPEN	R15LBOPEN:W15 Big 5 Openness to experience	Cont
16	R16LBOPEN	R16LBOPEN:W16 Big 5 Openness to experience	Cont
8	S8LBOPEN	S8LBOPEN:W8 Big 5 Openness to experience	Cont
9	S9LBOPEN	S9LBOPEN:W9 Big 5 Openness to experience	Cont
10	S10LBOPEN	S10LBOPEN:W10 Big 5 Openness to experience	Cont
11	S11LBOPEN	S11LBOPEN:W11 Big 5 Openness to experience	Cont
12	S12LBOPEN	S12LBOPEN:W12 Big 5 Openness to experience	Cont
13	S13LBOPEN	S13LBOPEN:W13 Big 5 Openness to experience	Cont
14	S14LBOPEN	S14LBOPEN:W14 Big 5 Openness to experience	Cont
15	S15LBOPEN	S15LBOPEN:W15 Big 5 Openness to experience	Cont
16	S16LBOPEN	S16LBOPEN:W16 Big 5 Openness to experience	Cont
8	R8LBAGR	R8LBAGR:W8 Big 5 Agreeableness	Cont
9	R9LBAGR	R9LBAGR:W9 Big 5 Agreeableness	Cont
10	R10LBAGR	R10LBAGR:W10 Big 5 Agreeableness	Cont
11	R11LBAGR	R11LBAGR:W11 Big 5 Agreeableness	Cont
12	R12LBAGR	R12LBAGR:W12 Big 5 Agreeableness	Cont
13	R13LBAGR	R13LBAGR:W13 Big 5 Agreeableness	Cont

14	R14LBAGR	R14LBAGR:W14 Big 5 Agreeableness	Cont
15	R15LBAGR	R15LBAGR:W15 Big 5 Agreeableness	Cont
16	R16LBAGR	R16LBAGR:W16 Big 5 Agreeableness	Cont
8	S8LBAGR	S8LBAGR:W8 Big 5 Agreeableness	Cont
9	S9LBAGR	S9LBAGR:W9 Big 5 Agreeableness	Cont
10	S10LBAGR	S10LBAGR:W10 Big 5 Agreeableness	Cont
11	S11LBAGR	S11LBAGR:W11 Big 5 Agreeableness	Cont
12	S12LBAGR	S12LBAGR:W12 Big 5 Agreeableness	Cont
13	S13LBAGR	S13LBAGR:W13 Big 5 Agreeableness	Cont
14	S14LBAGR	S14LBAGR:W14 Big 5 Agreeableness	Cont
15	S15LBAGR	S15LBAGR:W15 Big 5 Agreeableness	Cont
16	S16LBAGR	S16LBAGR:W16 Big 5 Agreeableness	Cont
8	R8LBCON5	R8LBCON5:W8 Big 5 Conscientiousness 5 Sub-items	Cont
9	R9LBCON5	R9LBCON5:W9 Big 5 Conscientiousness 5 Sub-items	Cont
10	R10LBCON5	R10LBCON5:W10 Big 5 Conscientiousness 5 Sub-items	Cont
11	R11LBCON5	R11LBCON5:W11 Big 5 Conscientiousness 5 Sub-items	Cont
12	R12LBCON5	R12LBCON5:W12 Big 5 Conscientiousness 5 Sub-items	Cont
13	R13LBCON5	R13LBCON5:W13 Big 5 Conscientiousness 5 Sub-items	Cont
14	R14LBCON5	R14LBCON5:W14 Big 5 Conscientiousness 5 Sub-items	Cont
15	R15LBCON5	R15LBCON5:W15 Big 5 Conscientiousness 5 Sub-items	Cont
16	R16LBCON5	R16LBCON5:W16 Big 5 Conscientiousness 5 Sub-items	Cont
8	S8LBCON5	S8LBCON5:W8 Big 5 Conscientiousness 5 Sub-items	Cont
9	S9LBCON5	S9LBCON5:W9 Big 5 Conscientiousness 5 Sub-items	Cont
10	S10LBCON5	S10LBCON5:W10 Big 5 Conscientiousness 5 Sub-items	Cont
11	S11LBCON5	S11LBCON5:W11 Big 5 Conscientiousness 5 Sub-items	Cont
12	S12LBCON5	S12LBCON5:W12 Big 5 Conscientiousness 5 Sub-items	Cont
13	S13LBCON5	S13LBCON5:W13 Big 5 Conscientiousness 5 Sub-items	Cont
14	S14LBCON5	S14LBCON5:W14 Big 5 Conscientiousness 5 Sub-items	Cont
15	S15LBCON5	S15LBCON5:W15 Big 5 Conscientiousness 5 Sub-items	Cont
16	S16LBCON5	S16LBCON5:W16 Big 5 Conscientiousness 5 Sub-items	Cont
10	R10LBCON10	R10LBCON10:W10 Big 5 Conscientiousness 10 Sub-items	Cont
11	R11LBCON10	R11LBCON10:W11 Big 5 Conscientiousness 10 Sub-items	Cont
12	R12LBCON10	R12LBCON10:W12 Big 5 Conscientiousness 10 Sub-items	Cont
13	R13LBCON10	R13LBCON10:W13 Big 5 Conscientiousness 10 Sub-items	Cont
14	R14LBCON10	R14LBCON10:W14 Big 5 Conscientiousness 10 Sub-items	Cont
15	R15LBCON10	R15LBCON10:W15 Big 5 Conscientiousness 10 Sub-items	Cont
16	R16LBCON10	R16LBCON10:W16 Big 5 Conscientiousness 10 Sub-items	Cont
10	S10LBCON10	S10LBCON10:W10 Big 5 Conscientiousness 10 Sub-items	Cont
11	S11LBCON10	S11LBCON10:W11 Big 5 Conscientiousness 10 Sub-items	Cont
12	S12LBCON10	S12LBCON10:W12 Big 5 Conscientiousness 10 Sub-items	Cont
13	S13LBCON10	S13LBCON10:W13 Big 5 Conscientiousness 10 Sub-items	Cont
14	S14LBCON10	S14LBCON10:W14 Big 5 Conscientiousness 10 Sub-items	Cont
15	S15LBCON10	S15LBCON10:W15 Big 5 Conscientiousness 10 Sub-items	Cont
16	S16LBCON10	S16LBCON10:W16 Big 5 Conscientiousness 10 Sub-items	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8LBNEUR	7578	2.08	0.61	1.0	4.0
R9LBNEUR	6957	2.04	0.63	1.0	4.0
R10LBNEUR	8172	2.03	0.61	1.0	4.0
R11LBNEUR	7259	2.02	0.63	1.0	4.0
R12LBNEUR	7426	2.00	0.62	1.0	4.0
R13LBNEUR	6273	1.97	0.62	1.0	4.0
R14LBNEUR	5634	1.98	0.61	1.0	4.0
R15LBNEUR	4622	1.97	0.61	1.0	4.0
R16LBNEUR	4405	1.96	0.62	1.0	4.0
S8LBNEUR	5126	2.08	0.60	1.0	4.0

S9LBNEUR	4381	2.05	0.62	1.0	4.0
S10LBNEUR	5256	2.03	0.60	1.0	4.0
S11LBNEUR	4573	2.02	0.62	1.0	4.0
S12LBNEUR	4588	2.00	0.61	1.0	4.0
S13LBNEUR	3732	1.97	0.61	1.0	4.0
S14LBNEUR	3345	1.98	0.60	1.0	4.0
S15LBNEUR	2651	1.98	0.61	1.0	4.0
S16LBNEUR	2449	1.97	0.61	1.0	4.0
R8LBEXT	7581	3.20	0.55	1.0	4.0
R9LBEXT	6965	3.19	0.56	1.0	4.0
R10LBEXT	8181	3.17	0.57	1.0	4.0
R11LBEXT	7262	3.17	0.58	1.0	4.0
R12LBEXT	7433	3.17	0.58	1.0	4.0
R13LBEXT	6279	3.18	0.58	1.0	4.0
R14LBEXT	5649	3.18	0.58	1.0	4.0
R15LBEXT	4623	3.15	0.59	1.0	4.0
R16LBEXT	4412	3.16	0.58	1.0	4.0
S8LBEXT	5125	3.21	0.54	1.0	4.0
S9LBEXT	4379	3.20	0.56	1.0	4.0
S10LBEXT	5259	3.18	0.56	1.0	4.0
S11LBEXT	4571	3.19	0.57	1.0	4.0
S12LBEXT	4588	3.18	0.58	1.0	4.0
S13LBEXT	3737	3.18	0.58	1.0	4.0
S14LBEXT	3354	3.19	0.57	1.2	4.0
S15LBEXT	2651	3.16	0.58	1.0	4.0
S16LBEXT	2453	3.16	0.58	1.0	4.0
R8LBOPEN	7521	2.94	0.55	1.0	4.0
R9LBOPEN	6933	2.93	0.57	1.0	4.0
R10LBOPEN	8134	2.92	0.56	1.0	4.0
R11LBOPEN	7228	2.91	0.58	1.0	4.0
R12LBOPEN	7387	2.90	0.58	1.0	4.0
R13LBOPEN	6258	2.92	0.59	1.0	4.0
R14LBOPEN	5617	2.93	0.58	1.0	4.0
R15LBOPEN	4606	2.93	0.58	1.0	4.0
R16LBOPEN	4398	2.93	0.58	1.0	4.0
S8LBOPEN	5091	2.95	0.54	1.0	4.0
S9LBOPEN	4374	2.94	0.56	1.0	4.0
S10LBOPEN	5236	2.93	0.55	1.0	4.0
S11LBOPEN	4556	2.93	0.56	1.0	4.0
S12LBOPEN	4567	2.91	0.57	1.0	4.0
S13LBOPEN	3728	2.93	0.58	1.0	4.0
S14LBOPEN	3341	2.94	0.57	1.0	4.0
S15LBOPEN	2644	2.94	0.58	1.0	4.0
S16LBOPEN	2447	2.94	0.57	1.0	4.0
R8LBAGR	7596	3.52	0.47	1.0	4.0
R9LBAGR	6965	3.53	0.49	1.0	4.0
R10LBAGR	8180	3.51	0.50	1.0	4.0
R11LBAGR	7256	3.50	0.51	1.0	4.0
R12LBAGR	7427	3.48	0.51	1.0	4.0
R13LBAGR	6274	3.50	0.52	1.0	4.0
R14LBAGR	5649	3.48	0.51	1.0	4.0
R15LBAGR	4622	3.49	0.52	1.0	4.0
R16LBAGR	4405	3.48	0.52	1.0	4.0

S8LBAGR	5131	3.50	0.48	1.0	4.0
S9LBAGR	4382	3.52	0.49	1.2	4.0
S10LBAGR	5260	3.49	0.50	1.0	4.0
S11LBAGR	4570	3.50	0.50	1.0	4.0
S12LBAGR	4586	3.47	0.52	1.0	4.0
S13LBAGR	3733	3.49	0.52	1.0	4.0
S14LBAGR	3353	3.47	0.51	1.2	4.0
S15LBAGR	2650	3.48	0.53	1.0	4.0
S16LBAGR	2451	3.46	0.53	1.0	4.0
R8LBCON5	7574	3.34	0.48	1.2	4.0
R9LBCON5	6950	3.35	0.49	1.0	4.0
R10LBCON5	8169	3.37	0.49	1.2	4.0
R11LBCON5	7255	3.36	0.50	1.0	4.0
R12LBCON5	7418	3.35	0.50	1.2	4.0
R13LBCON5	6268	3.36	0.50	1.0	4.0
R14LBCON5	5638	3.37	0.50	1.2	4.0
R15LBCON5	4620	3.36	0.51	1.0	4.0
R16LBCON5	4407	3.37	0.50	1.0	4.0
S8LBCON5	5122	3.36	0.47	1.2	4.0
S9LBCON5	4377	3.37	0.48	1.2	4.0
S10LBCON5	5257	3.39	0.47	1.4	4.0
S11LBCON5	4572	3.38	0.49	1.0	4.0
S12LBCON5	4583	3.37	0.49	1.3	4.0
S13LBCON5	3733	3.37	0.50	1.0	4.0
S14LBCON5	3350	3.39	0.48	1.2	4.0
S15LBCON5	2648	3.38	0.51	1.0	4.0
S16LBCON5	2451	3.39	0.49	1.4	4.0
R10LBCON10	8166	3.22	0.39	1.3	4.0
R11LBCON10	7252	3.21	0.40	1.0	4.0
R12LBCON10	7413	3.20	0.39	1.4	4.0
R13LBCON10	6264	3.20	0.40	1.2	4.0
R14LBCON10	5635	3.20	0.40	1.6	4.0
R15LBCON10	4617	3.20	0.40	1.4	4.0
R16LBCON10	4409	3.20	0.39	1.4	4.0
S10LBCON10	5257	3.22	0.38	1.5	4.0
S11LBCON10	4569	3.22	0.39	1.0	4.0
S12LBCON10	4583	3.20	0.38	1.6	4.0
S13LBCON10	3733	3.20	0.40	1.2	4.0
S14LBCON10	3350	3.21	0.38	1.6	4.0
S15LBCON10	2646	3.21	0.40	1.4	4.0
S16LBCON10	2451	3.21	0.38	1.6	4.0

General Comments

Construction of the scales, based on information elicited in the Leave-Behind Survey, follows the instructions in HRS 2006-2022 HRS Psychosocial and Lifestyle Questionnaire User Guide unless otherwise noted. If more than half of HRS Leave-Behind components in a scale are missing, the scale is set to ".P" missing due to partial scale inputs. If a Respondent did not return the questionnaire, the scale is set to ".N" to indicate not returned.

How Constructed

RwLBNEUR, RwLBEXT, RwLBOPEN, RwLBAGR, RwLBCON5, and RwLBCON10 are scale indicators used to assess the Respondent's "Big 5" personality traits: Neuroticism, Extraversion, Openness to Experience, Agreeableness, and Conscientiousness. These scales are based on responses to questions drawn from the survey of Midlife Development in the U.S. (MIDUS) and the International Personality Item Pool (IPIP). Responses indicate how much an item describes a Respondent using one of four scored categories, "1=A lot," "2=Some," "3=A little," or "4=Not at All." Items are scored 1-4 by HRS. Note in some cases higher scores on input questions correspond to less of a personality trait. Before averaging response scores, inputs are harmonized so that responses with higher values always correspond to more of a personality trait.

RwLBNEUR averages "Calm" with the inversion of "Moody," "Worrying," and "Nervous." Thus, the higher the score, the higher the Respondent rates in Neuroticism based on the sub-dimensions asked as part of the Leave-Behind Survey. If more than two items are missing the scale is also set to missing.

RwLBEXT averages the inversion of "Outgoing," "Friendly," "Lively," "Active," and "Talkative." Thus, the higher the score, the higher the Respondent rates in Extroversion based on the sub-dimensions asked as part of the Leave-Behind Survey. If more than two items are missing the scale is also set to missing.

RwLBOPEN averages the inversion of "Creative," "Imaginative," "Intelligent," "Curious," "Broad-minded," "Sophisticated," and "Adventurous." Thus, the higher the score, the higher the Respondent rates in Openness to Experience based on the sub-dimensions asked as part of the Leave-Behind Survey. If more than two items are missing the scale is also set to missing.

RwLBAGR averages the inversion of "Helpful," "Warm," "Caring," "Softhearted," and "Sympathetic." Thus, the higher the score, the higher the Respondent rates in Agreeableness based on the sub-dimensions asked as part of the Leave-Behind Survey. If more than two items are missing the scale is also set to missing.

RwLBCON5 averages "Careless" with the inversion of "Organized," "Responsible," "Hardworking," and "Thorough." Thus, the higher the score, the higher the Respondent rates in Conscientiousness based on the sub-dimensions asked as part of the Leave-Behind Survey. If more than two items are missing the scale is also set to missing.

RwLBCON10 averages "Careless," "Reckless," and "Impulsive" with the inversion of "Organized," "Responsible," "Hardworking," "Self-disciplined," "Cautious," "Thorough," and "Thrifty." Thus, the higher the score, the higher the Respondent rates in Conscientiousness based on the sub-dimensions asked as part of the Leave-Behind Survey. The ten-item version of this scale begins in Wave 10 (2010) when these additional items were added to the Leave-Behind Questionnaire. If more than five items are missing the scale is also set to missing.

SwLBNEUR, SwLBEXT, SwLBOPEN, SwLBAGR, SwLBCON5, and SwLBCON10 are analogous spouse variables.

Cross Wave Differences in Original HRS Data

The "Big 5" personality scales are provided starting in Wave 8 (2006). While some "Big 5" inputs were asked in Wave 7 (2004), the pilot administration of the survey, responses differ significantly during this wave, so we do not produce measures for Wave 7.

In Wave 10 (2010), the HRS added five items drawn from the International Personality Item Pool (IPIP) to expand coverage of sub-facets of conscientiousness. Thus RwCON10 is produced to capture these additional items from this wave on. The original five items continue to be asked after Wave 10 and are provided in measure RwCON5.

Beginning in Wave 10 (2010), the addition of new items changes the question order of the "Big 5" section of the Leave-Behind Survey.

By design the Leave-Behind Survey is administered to select Respondents once every four years or every other wave. As a result, Respondents are only eligible to complete the survey in alternating waves. Respondents who did not respond because they are ineligible to participate in a wave are marked ".A=Ineligible for LB" to indicate they are assigned to the alternative cohort.

In Wave 16 (2022), new cohort Respondents (HACOHORT=8) may have misidentified eligibility. The use of ".A=Ineligible for LB" is restricted for psychosocial variables that have a returned survey in Wave 16. In cases where a survey has been returned and all scale inputs have been skipped by the Respondent then the scale is set to ".M=Other Missing."

HRS Variables Used

```
HRS 2006-2012:
    xLB033A         Q33A. OUTGOING
    xLB033B         Q33B. HELPFUL
    xLB033C         Q33C. MOODY
    xLB033D         Q33D. ORGANIZED
    xLB033E         Q33E. FRIENDLY
    xLB033F         Q33F. WARM
    xLB033G         Q33G. WORRYING
    xLB033H         Q33H. RESPONSIBLE
    xLB033I         Q33I. LIVELY
    xLB033J         Q33J. CARING
    xLB033K         Q33K. NERVOUS
    xLB033L         Q33L. CREATIVE
    xLB033M         Q33M. HARDWORKING
    xLB033N         Q33N. IMAGINATIVE
    xLB033O         Q33O. SOFTHEARTED
    xLB033Q         Q33Q. INTELLIGENT
    xLB033R         Q33R. CURIOUS
    xLB033S         Q33S. ACTIVE
    xLB033U         Q33U. BROAD-MINDED
    xLB033V         Q33V. SYMPATHETIC
    xLB033W         Q33W. TALKATIVE
    xLB033X         Q33X. SOPHISTICATED
    xLB033Y         Q33Y. ADVENTUROUS
    xLB033Z         Q33Z. THOROUGH
HRS 2006-2022:
    xLBCOMP         MODE COMPLETED LEAVE BEHIND QNAIRE
    xLBELIG         2006 LEAVE BEHIND ELIGIBILITY
HRS 2014-2018:
    xLB031Z_1       Q31Z. CAUTIOUS
    xLB031Z_2       Q31Z_2. TALKATIVE
    xLB031Z_3       Q31Z_3. SOPHISTICATED
    xLB031Z_4       Q31Z_4. ADVENTUROUS
    xLB031Z_5       Q31Z_5. THOROUGH
    xLB031Z_6       Q31Z_6. THRIFTY
HRS 2014-2022:
    xLB031A         Q31A. OUTGOING
    xLB031B         Q31B. HELPFUL
    xLB031D         Q31D. MOODY
    xLB031E         Q31E. ORGANIZED
    xLB031F         Q31F. FRIENDLY
    xLB031G         Q31G. WARM
    xLB031H         Q31H. WORRYING
    xLB031I         Q31I. RESPONSIBLE
    xLB031J         Q31J. LIVELY
    xLB031K         Q31K. CARING
    xLB031L         Q31L. NERVOUS
    xLB031M         Q31M. CREATIVE
    xLB031N         Q31N. HARDWORKING
    xLB031O         Q31O. IMAGINATIVE
    xLB031P         Q31P. SOFTHEARTED
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    xLB031R         Q31R. SELF-DISCIPLINED
    xLB031S         Q31S. INTELLIGENT
    xLB031T         Q31T. CURIOUS
    xLB031U         Q31U. ACTIVE
    xLB031W         Q31W. BROAD-MINDED
    xLB031X         Q31X. IMPULSIVE
    xLB031Y         Q31Y. SYMPATHETIC
HRS 2020-2022:
    xLB031Z1        Q31Z1. CAUTIOUS
    xLB031Z2        Q31Z2. TALKATIVE
    xLB031Z3        Q31Z3. SOPHISTICATED
    xLB031Z4        Q31Z4. ADVENTUROUS
    xLB031Z5        Q31Z5. THOROUGH
    xLB031Z6        Q31Z6. THRIFTY
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Loneliness

Wave	Variable	Label	Type
8	R8LBLONELY3	R8LBLONELY3:W8 Loneliness 3-item scale	Cont
9	R9LBLONELY3	R9LBLONELY3:W9 Loneliness 3-item scale	Cont
10	R10LBLONELY3	R10LBLONELY3:W10 Loneliness 3-item scale	Cont
11	R11LBLONELY3	R11LBLONELY3:W11 Loneliness 3-item scale	Cont
12	R12LBLONELY3	R12LBLONELY3:W12 Loneliness 3-item scale	Cont
13	R13LBLONELY3	R13LBLONELY3:W13 Loneliness 3-item scale	Cont
14	R14LBLONELY3	R14LBLONELY3:W14 Loneliness 3-item scale	Cont
15	R15LBLONELY3	R15LBLONELY3:W15 Loneliness 3-item scale	Cont
16	R16LBLONELY3	R16LBLONELY3:W16 Loneliness 3-item scale	Cont
8	S8LBLONELY3	S8LBLONELY3:W8 Loneliness 3-item scale	Cont
9	S9LBLONELY3	S9LBLONELY3:W9 Loneliness 3-item scale	Cont
10	S10LBLONELY3	S10LBLONELY3:W10 Loneliness 3-item scale	Cont
11	S11LBLONELY3	S11LBLONELY3:W11 Loneliness 3-item scale	Cont
12	S12LBLONELY3	S12LBLONELY3:W12 Loneliness 3-item scale	Cont
13	S13LBLONELY3	S13LBLONELY3:W13 Loneliness 3-item scale	Cont
14	S14LBLONELY3	S14LBLONELY3:W14 Loneliness 3-item scale	Cont
15	S15LBLONELY3	S15LBLONELY3:W15 Loneliness 3-item scale	Cont
16	S16LBLONELY3	S16LBLONELY3:W16 Loneliness 3-item scale	Cont
9	R9LBLONELY11	R9LBLONELY11:W9 Loneliness 11-item scale	Cont
10	R10LBLONELY11	R10LBLONELY11:W10 Loneliness 11-item scale	Cont
11	R11LBLONELY11	R11LBLONELY11:W11 Loneliness 11-item scale	Cont
12	R12LBLONELY11	R12LBLONELY11:W12 Loneliness 11-item scale	Cont
13	R13LBLONELY11	R13LBLONELY11:W13 Loneliness 11-item scale	Cont
14	R14LBLONELY11	R14LBLONELY11:W14 Loneliness 11-item scale	Cont
15	R15LBLONELY11	R15LBLONELY11:W15 Loneliness 11-item scale	Cont
16	R16LBLONELY11	R16LBLONELY11:W16 Loneliness 11-item scale	Cont
9	S9LBLONELY11	S9LBLONELY11:W9 Loneliness 11-item scale	Cont
10	S10LBLONELY11	S10LBLONELY11:W10 Loneliness 11-item scale	Cont
11	S11LBLONELY11	S11LBLONELY11:W11 Loneliness 11-item scale	Cont
12	S12LBLONELY11	S12LBLONELY11:W12 Loneliness 11-item scale	Cont
13	S13LBLONELY11	S13LBLONELY11:W13 Loneliness 11-item scale	Cont
14	S14LBLONELY11	S14LBLONELY11:W14 Loneliness 11-item scale	Cont
15	S15LBLONELY11	S15LBLONELY11:W15 Loneliness 11-item scale	Cont
16	S16LBLONELY11	S16LBLONELY11:W16 Loneliness 11-item scale	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8LBLONELY3	7601	1.49	0.55	1.0	3.0
R9LBLONELY3	6912	1.49	0.54	1.0	3.0
R10LBLONELY3	8186	1.48	0.54	1.0	3.0
R11LBLONELY3	7294	1.49	0.55	1.0	3.0
R12LBLONELY3	7439	1.48	0.55	1.0	3.0
R13LBLONELY3	6244	1.49	0.55	1.0	3.0
R14LBLONELY3	5651	1.48	0.55	1.0	3.0
R15LBLONELY3	4628	1.51	0.55	1.0	3.0
R16LBLONELY3	4425	1.49	0.55	1.0	3.0
S8LBLONELY3	5118	1.41	0.51	1.0	3.0
S9LBLONELY3	4364	1.40	0.50	1.0	3.0
S10LBLONELY3	5274	1.40	0.50	1.0	3.0
S11LBLONELY3	4583	1.40	0.50	1.0	3.0
S12LBLONELY3	4592	1.39	0.51	1.0	3.0
S13LBLONELY3	3717	1.40	0.50	1.0	3.0
S14LBLONELY3	3347	1.38	0.50	1.0	3.0

S15LBLONELY3	2656	1.40	0.50	1.0	3.0
S16LBLONELY3	2449	1.38	0.49	1.0	3.0
R9LBLONELY11	6942	1.52	0.43	1.0	3.0
R10LBLONELY11	8205	1.53	0.44	1.0	3.0
R11LBLONELY11	7309	1.53	0.44	1.0	3.0
R12LBLONELY11	7451	1.54	0.44	1.0	3.0
R13LBLONELY11	6261	1.55	0.44	1.0	3.0
R14LBLONELY11	5659	1.54	0.45	1.0	3.0
R15LBLONELY11	4635	1.55	0.44	1.0	3.0
R16LBLONELY11	4430	1.56	0.45	1.0	3.0
S9LBLONELY11	4372	1.48	0.42	1.0	3.0
S10LBLONELY11	5282	1.48	0.42	1.0	3.0
S11LBLONELY11	4590	1.48	0.42	1.0	3.0
S12LBLONELY11	4592	1.50	0.43	1.0	3.0
S13LBLONELY11	3723	1.50	0.42	1.0	3.0
S14LBLONELY11	3350	1.49	0.43	1.0	3.0
S15LBLONELY11	2660	1.49	0.42	1.0	3.0
S16LBLONELY11	2451	1.50	0.43	1.0	3.0

General Comments

Construction of the scales, based on information elicited in the Leave-Behind Survey, follows the instructions in HRS 2006-2022 HRS Psychosocial and Lifestyle Questionnaire User Guide unless otherwise noted. If more than half of HRS Leave-Behind components in a scale are missing, the scale is set to ".P" missing due to partial scale inputs. If a Respondent did not return the questionnaire, the scale is set to ".N" to indicate not returned.

How Constructed

RwLBLONELY3 and RwLBLONELY11 are scale indicators used to assess the Respondent's feelings of loneliness. These scales are based on responses to questions drawn from the Revised UCLA Loneliness Scale. Responses indicate how much of the time an item is felt using one of three categories, "1=Often," "2=Some of the time," or "3=Hardly ever or never." Items are scored 1-3 by HRS. Note in some cases higher scores on input questions correspond to less loneliness. Before averaging response scores, inputs are harmonized so that responses with higher values always correspond to more loneliness.

RwLBLONELY3 averages the inversion of the questions "You lack companionship," "Left out," and "Isolated from others." Thus, the higher the score, the higher the Respondent rates in Loneliness based on the sub-dimensions asked as part of the Leave-Behind Survey. If more than one item is missing the scale is also set to missing.

RwLBLONELY11 averages the questions "That you are in "in tune" with the people around you," "That there are people you can talk to," "That there are people you can turn to," "That there are people who really understand you," "That there are people you feel close to," "Part of a group of friends," and "That you have a lot in common with the people around you" with the inversion of the questions "You lack companionship," "Left out," "Isolated from others," and "Alone." Thus, the higher the score, the higher the Respondent rates in Loneliness based on the sub-dimensions asked as part of the Leave-Behind Survey. If more than five items are missing the scale is also set to missing.

SwLBLONELY3 and SwLBLONELY11 are analogous spouse variables.

Cross Wave Differences in Original HRS Data

Loneliness scales are provided starting in Wave 8 (2006). While some Loneliness inputs were asked in Wave 7, the pilot administration of the survey, responses differ significantly during this wave, so we do not produce measures for Wave 7. Interested users may reconstruct the 3-question Loneliness Scale for Wave 7 (2004) from HRS data.

In Wave 9 (2008), the HRS added 8 items to enhance reliability and expand the sub-dimensions of loneliness being captured. Thus, beginning in Wave 9, RwLBLONELY11 is produced to capture these additional items. The original three items continue to be asked after Wave 9 in the same question order and are provided in measure RwLBLONELY3.

By design the Leave-Behind Survey is administered to select Respondents once every four years or every other wave. As a result, Respondents are only eligible to complete the survey in alternating waves. Respondents who did not respond because they are ineligible to participate in a wave are marked ".A=Ineligible for LB" to indicate they are assigned to the alternative cohort.

In Wave 16 (2022), new cohort Respondents (HACOHORT=8) may have misidentified eligibility. The use of ".A=Ineligible for LB" is restricted in this wave for psychosocial variables that have a returned survey in Wave 16. In cases where a survey has been returned and all scale inputs have been skipped by the Respondent then the scale is set to ".M=Other Missing."

HRS Variables Used

```
HRS 2006-2012:
    xLB020A         Q20A. LACK COMPANIONSHIP
    xLB020B         Q20B. FEEL LEFT OUT
    xLB020C         Q20C. FEEL ISOLATED FROM OTHERS
HRS 2006-2022:
    xLBCOMP         MODE COMPLETED LEAVE BEHIND QNAIRE
    xLBELIG         2006 LEAVE BEHIND ELIGIBILITY
HRS 2008-2012:
    xLB020F         Q20F. PEOPLE CAN TALK TO
    xLB020G         Q20G. PEOPLE CAN TURN TO
    xLB020H         Q20H. PEOPLE UNDERSTAND YOU
    xLB020I         Q20I. PEOPLE FEEL CLOSE TO
    xLB020J         Q20J. FEEL PART OF GROUP
    xLB020K         Q20K. A LOT IN COMMON WITH FRIENDS
HRS 2008-2022:
    xLB020D         Q20D. IN TUNE WITH OTHERS
    xLB020E         Q20E. ALONE
HRS 2014-2022:
    xLB019A         Q19A. LACK COMPANIONSHIP
    xLB019B         Q19B. FEEL LEFT OUT
    xLB019C         Q19C. FEEL ISOLATED FROM OTHERS
    xLB019F         Q19F. PEOPLE CAN TALK TO
    xLB019G         Q19G. PEOPLE CAN TURN TO
    xLB019H         Q19H. PEOPLE UNDERSTAND YOU
    xLB019I         Q19I. PEOPLE FEEL CLOSE TO
    xLB019J         Q19J. FEEL PART OF GROUP
    xLB019K         Q19K. A LOT IN COMMON WITH FRIENDS
```

Ongoing Chronic Stressors

Wave	Variable	Label	Type
8	R8LBONCHRSTR	R8LBONCHRSTR:W8 Ongoing Chronic Stress Scale	Cont
10	R10LBONCHRSTR	R10LBONCHRSTR:W10 Ongoing Chronic Stress Scale	Cont
11	R11LBONCHRSTR	R11LBONCHRSTR:W11 Ongoing Chronic Stress Scale	Cont
12	R12LBONCHRSTR	R12LBONCHRSTR:W12 Ongoing Chronic Stress Scale	Cont
13	R13LBONCHRSTR	R13LBONCHRSTR:W13 Ongoing Chronic Stress Scale	Cont
14	R14LBONCHRSTR	R14LBONCHRSTR:W14 Ongoing Chronic Stress Scale	Cont
15	R15LBONCHRSTR	R15LBONCHRSTR:W15 Ongoing Chronic Stress Scale	Cont
16	R16LBONCHRSTR	R16LBONCHRSTR:W16 Ongoing Chronic Stress Scale	Cont
8	S8LBONCHRSTR	S8LBONCHRSTR:W8 Ongoing Chronic Stress Scale	Cont
10	S10LBONCHRSTR	S10LBONCHRSTR:W10 Ongoing Chronic Stress Scale	Cont
11	S11LBONCHRSTR	S11LBONCHRSTR:W11 Ongoing Chronic Stress Scale	Cont
12	S12LBONCHRSTR	S12LBONCHRSTR:W12 Ongoing Chronic Stress Scale	Cont
13	S13LBONCHRSTR	S13LBONCHRSTR:W13 Ongoing Chronic Stress Scale	Cont
14	S14LBONCHRSTR	S14LBONCHRSTR:W14 Ongoing Chronic Stress Scale	Cont
15	S15LBONCHRSTR	S15LBONCHRSTR:W15 Ongoing Chronic Stress Scale	Cont
16	S16LBONCHRSTR	S16LBONCHRSTR:W16 Ongoing Chronic Stress Scale	Cont
8	R8LBHLTHPRB	R8LBHLTHPRB:W8 Self ongoing health problems	Categ
10	R10LBHLTHPRB	R10LBHLTHPRB:W10 Self ongoing health problems	Categ
11	R11LBHLTHPRB	R11LBHLTHPRB:W11 Self ongoing health problems	Categ
12	R12LBHLTHPRB	R12LBHLTHPRB:W12 Self ongoing health problems	Categ
13	R13LBHLTHPRB	R13LBHLTHPRB:W13 Self ongoing health problems	Categ
14	R14LBHLTHPRB	R14LBHLTHPRB:W14 Self ongoing health problems	Categ
15	R15LBHLTHPRB	R15LBHLTHPRB:W15 Self ongoing health problems	Categ
16	R16LBHLTHPRB	R16LBHLTHPRB:W16 Self ongoing health problems	Categ
8	S8LBHLTHPRB	S8LBHLTHPRB:W8 Self ongoing health problems	Categ
10	S10LBHLTHPRB	S10LBHLTHPRB:W10 Self ongoing health problems	Categ
11	S11LBHLTHPRB	S11LBHLTHPRB:W11 Self ongoing health problems	Categ
12	S12LBHLTHPRB	S12LBHLTHPRB:W12 Self ongoing health problems	Categ
13	S13LBHLTHPRB	S13LBHLTHPRB:W13 Self ongoing health problems	Categ
14	S14LBHLTHPRB	S14LBHLTHPRB:W14 Self ongoing health problems	Categ
15	S15LBHLTHPRB	S15LBHLTHPRB:W15 Self ongoing health problems	Categ
16	S16LBHLTHPRB	S16LBHLTHPRB:W16 Self ongoing health problems	Categ
8	R8LBFAMHLTHPRB	R8LBFAMHLTHPRB:W8 Ongoing phy/emot problems in sp/chld	Categ
10	R10LBFAMHLTHPRB	R10LBFAMHLTHPRB:W10 Ongoing phy/emot problems in sp/chld	Categ
11	R11LBFAMHLTHPRB	R11LBFAMHLTHPRB:W11 Ongoing phy/emot problems in sp/chld	Categ
12	R12LBFAMHLTHPRB	R12LBFAMHLTHPRB:W12 Ongoing phy/emot problems in sp/chld	Categ
13	R13LBFAMHLTHPRB	R13LBFAMHLTHPRB:W13 Ongoing phy/emot problems in sp/chld	Categ
14	R14LBFAMHLTHPRB	R14LBFAMHLTHPRB:W14 Ongoing phy/emot problems in sp/chld	Categ
15	R15LBFAMHLTHPRB	R15LBFAMHLTHPRB:W15 Ongoing phy/emot problems in sp/chld	Categ
16	R16LBFAMHLTHPRB	R16LBFAMHLTHPRB:W16 Ongoing phy/emot problems in sp/chld	Categ
8	S8LBFAMHLTHPRB	S8LBFAMHLTHPRB:W8 Ongoing phy/emot problems in sp/chld	Categ
10	S10LBFAMHLTHPRB	S10LBFAMHLTHPRB:W10 Ongoing phy/emot problems in sp/chld	Categ
11	S11LBFAMHLTHPRB	S11LBFAMHLTHPRB:W11 Ongoing phy/emot problems in sp/chld	Categ
12	S12LBFAMHLTHPRB	S12LBFAMHLTHPRB:W12 Ongoing phy/emot problems in sp/chld	Categ
13	S13LBFAMHLTHPRB	S13LBFAMHLTHPRB:W13 Ongoing phy/emot problems in sp/chld	Categ
14	S14LBFAMHLTHPRB	S14LBFAMHLTHPRB:W14 Ongoing phy/emot problems in sp/chld	Categ
15	S15LBFAMHLTHPRB	S15LBFAMHLTHPRB:W15 Ongoing phy/emot problems in sp/chld	Categ
16	S16LBFAMHLTHPRB	S16LBFAMHLTHPRB:W16 Ongoing phy/emot problems in sp/chld	Categ
8	R8LBFAMDRUGPRB	R8LBFAMDRUGPRB:W8 Ongoing drug/alcohol probs fam mbr	Categ
10	R10LBFAMDRUGPRB	R10LBFAMDRUGPRB:W10 Ongoing drug/alcohol probs fam mbr	Categ
11	R11LBFAMDRUGPRB	R11LBFAMDRUGPRB:W11 Ongoing drug/alcohol probs fam mbr	Categ
12	R12LBFAMDRUGPRB	R12LBFAMDRUGPRB:W12 Ongoing drug/alcohol probs fam mbr	Categ
13	R13LBFAMDRUGPRB	R13LBFAMDRUGPRB:W13 Ongoing drug/alcohol probs fam mbr	Categ
14	R14LBFAMDRUGPRB	R14LBFAMDRUGPRB:W14 Ongoing drug/alcohol probs fam mbr	Categ
15	R15LBFAMDRUGPRB	R15LBFAMDRUGPRB:W15 Ongoing drug/alcohol probs fam mbr	Categ
16	R16LBFAMDRUGPRB	R16LBFAMDRUGPRB:W16 Ongoing drug/alcohol probs fam mbr	Categ
8	S8LBFAMDRUGPRB	S8LBFAMDRUGPRB:W8 Ongoing drug/alcohol probs fam mbr	Categ
10	S10LBFAMDRUGPRB	S10LBFAMDRUGPRB:W10 Ongoing drug/alcohol probs fam mbr	Categ
11	S11LBFAMDRUGPRB	S11LBFAMDRUGPRB:W11 Ongoing drug/alcohol probs fam mbr	Categ

12	S12LBFAMDRUGPRB	S12LBFAMDRUGPRB:W12 Ongoing drug/alcohol probs fam mbr	Categ
13	S13LBFAMDRUGPRB	S13LBFAMDRUGPRB:W13 Ongoing drug/alcohol probs fam mbr	Categ
14	S14LBFAMDRUGPRB	S14LBFAMDRUGPRB:W14 Ongoing drug/alcohol probs fam mbr	Categ
15	S15LBFAMDRUGPRB	S15LBFAMDRUGPRB:W15 Ongoing drug/alcohol probs fam mbr	Categ
16	S16LBFAMDRUGPRB	S16LBFAMDRUGPRB:W16 Ongoing drug/alcohol probs fam mbr	Categ
8	R8LBWORKPRB	R8LBWORKPRB:W8 Ongoing difficulties at work	Categ
10	R10LBWORKPRB	R10LBWORKPRB:W10 Ongoing difficulties at work	Categ
11	R11LBWORKPRB	R11LBWORKPRB:W11 Ongoing difficulties at work	Categ
12	R12LBWORKPRB	R12LBWORKPRB:W12 Ongoing difficulties at work	Categ
13	R13LBWORKPRB	R13LBWORKPRB:W13 Ongoing difficulties at work	Categ
14	R14LBWORKPRB	R14LBWORKPRB:W14 Ongoing difficulties at work	Categ
15	R15LBWORKPRB	R15LBWORKPRB:W15 Ongoing difficulties at work	Categ
16	R16LBWORKPRB	R16LBWORKPRB:W16 Ongoing difficulties at work	Categ
8	S8LBWORKPRB	S8LBWORKPRB:W8 Ongoing difficulties at work	Categ
10	S10LBWORKPRB	S10LBWORKPRB:W10 Ongoing difficulties at work	Categ
11	S11LBWORKPRB	S11LBWORKPRB:W11 Ongoing difficulties at work	Categ
12	S12LBWORKPRB	S12LBWORKPRB:W12 Ongoing difficulties at work	Categ
13	S13LBWORKPRB	S13LBWORKPRB:W13 Ongoing difficulties at work	Categ
14	S14LBWORKPRB	S14LBWORKPRB:W14 Ongoing difficulties at work	Categ
15	S15LBWORKPRB	S15LBWORKPRB:W15 Ongoing difficulties at work	Categ
16	S16LBWORKPRB	S16LBWORKPRB:W16 Ongoing difficulties at work	Categ
8	R8LBFINPRB	R8LBFINPRB:W8 Ongoing financial strain	Categ
10	R10LBFINPRB	R10LBFINPRB:W10 Ongoing financial strain	Categ
11	R11LBFINPRB	R11LBFINPRB:W11 Ongoing financial strain	Categ
12	R12LBFINPRB	R12LBFINPRB:W12 Ongoing financial strain	Categ
13	R13LBFINPRB	R13LBFINPRB:W13 Ongoing financial strain	Categ
14	R14LBFINPRB	R14LBFINPRB:W14 Ongoing financial strain	Categ
15	R15LBFINPRB	R15LBFINPRB:W15 Ongoing financial strain	Categ
16	R16LBFINPRB	R16LBFINPRB:W16 Ongoing financial strain	Categ
8	S8LBFINPRB	S8LBFINPRB:W8 Ongoing financial strain	Categ
10	S10LBFINPRB	S10LBFINPRB:W10 Ongoing financial strain	Categ
11	S11LBFINPRB	S11LBFINPRB:W11 Ongoing financial strain	Categ
12	S12LBFINPRB	S12LBFINPRB:W12 Ongoing financial strain	Categ
13	S13LBFINPRB	S13LBFINPRB:W13 Ongoing financial strain	Categ
14	S14LBFINPRB	S14LBFINPRB:W14 Ongoing financial strain	Categ
15	S15LBFINPRB	S15LBFINPRB:W15 Ongoing financial strain	Categ
16	S16LBFINPRB	S16LBFINPRB:W16 Ongoing financial strain	Categ
8	R8LBHOUSEPRB	R8LBHOUSEPRB:W8 Ongoing housing problems	Categ
10	R10LBHOUSEPRB	R10LBHOUSEPRB:W10 Ongoing housing problems	Categ
11	R11LBHOUSEPRB	R11LBHOUSEPRB:W11 Ongoing housing problems	Categ
12	R12LBHOUSEPRB	R12LBHOUSEPRB:W12 Ongoing housing problems	Categ
13	R13LBHOUSEPRB	R13LBHOUSEPRB:W13 Ongoing housing problems	Categ
14	R14LBHOUSEPRB	R14LBHOUSEPRB:W14 Ongoing housing problems	Categ
15	R15LBHOUSEPRB	R15LBHOUSEPRB:W15 Ongoing housing problems	Categ
16	R16LBHOUSEPRB	R16LBHOUSEPRB:W16 Ongoing housing problems	Categ
8	S8LBHOUSEPRB	S8LBHOUSEPRB:W8 Ongoing housing problems	Categ
10	S10LBHOUSEPRB	S10LBHOUSEPRB:W10 Ongoing housing problems	Categ
11	S11LBHOUSEPRB	S11LBHOUSEPRB:W11 Ongoing housing problems	Categ
12	S12LBHOUSEPRB	S12LBHOUSEPRB:W12 Ongoing housing problems	Categ
13	S13LBHOUSEPRB	S13LBHOUSEPRB:W13 Ongoing housing problems	Categ
14	S14LBHOUSEPRB	S14LBHOUSEPRB:W14 Ongoing housing problems	Categ
15	S15LBHOUSEPRB	S15LBHOUSEPRB:W15 Ongoing housing problems	Categ
16	S16LBHOUSEPRB	S16LBHOUSEPRB:W16 Ongoing housing problems	Categ
8	R8LBRLTNSHPRB	R8LBRLTNSHPRB:W8 Ongoing problems close relationship	Categ
10	R10LBRLTNSHPRB	R10LBRLTNSHPRB:W10 Ongoing problems close relationship	Categ
11	R11LBRLTNSHPRB	R11LBRLTNSHPRB:W11 Ongoing problems close relationship	Categ
12	R12LBRLTNSHPRB	R12LBRLTNSHPRB:W12 Ongoing problems close relationship	Categ
13	R13LBRLTNSHPRB	R13LBRLTNSHPRB:W13 Ongoing problems close relationship	Categ
14	R14LBRLTNSHPRB	R14LBRLTNSHPRB:W14 Ongoing problems close relationship	Categ
15	R15LBRLTNSHPRB	R15LBRLTNSHPRB:W15 Ongoing problems close relationship	Categ
16	R16LBRLTNSHPRB	R16LBRLTNSHPRB:W16 Ongoing problems close relationship	Categ
8	S8LBRLTNSHPRB	S8LBRLTNSHPRB:W8 Ongoing problems close relationship	Categ
10	S10LBRLTNSHPRB	S10LBRLTNSHPRB:W10 Ongoing problems close relationship	Categ
11	S11LBRLTNSHPRB	S11LBRLTNSHPRB:W11 Ongoing problems close relationship	Categ

12	S12LBRLTNSHPRB	S12LBRLTNSHPRB:W12 Ongoing problems close relationship	Categ
13	S13LBRLTNSHPRB	S13LBRLTNSHPRB:W13 Ongoing problems close relationship	Categ
14	S14LBRLTNSHPRB	S14LBRLTNSHPRB:W14 Ongoing problems close relationship	Categ
15	S15LBRLTNSHPRB	S15LBRLTNSHPRB:W15 Ongoing problems close relationship	Categ
16	S16LBRLTNSHPRB	S16LBRLTNSHPRB:W16 Ongoing problems close relationship	Categ
8	R8LBASSISTPRB	R8LBASSISTPRB:W8 Reg help ailing friend/fam	Categ
10	R10LBASSISTPRB	R10LBASSISTPRB:W10 Reg help ailing friend/fam	Categ
11	R11LBASSISTPRB	R11LBASSISTPRB:W11 Reg help ailing friend/fam	Categ
12	R12LBASSISTPRB	R12LBASSISTPRB:W12 Reg help ailing friend/fam	Categ
13	R13LBASSISTPRB	R13LBASSISTPRB:W13 Reg help ailing friend/fam	Categ
14	R14LBASSISTPRB	R14LBASSISTPRB:W14 Reg help ailing friend/fam	Categ
15	R15LBASSISTPRB	R15LBASSISTPRB:W15 Reg help ailing friend/fam	Categ
16	R16LBASSISTPRB	R16LBASSISTPRB:W16 Reg help ailing friend/fam	Categ
8	S8LBASSISTPRB	S8LBASSISTPRB:W8 Reg help ailing friend/fam	Categ
10	S10LBASSISTPRB	S10LBASSISTPRB:W10 Reg help ailing friend/fam	Categ
11	S11LBASSISTPRB	S11LBASSISTPRB:W11 Reg help ailing friend/fam	Categ
12	S12LBASSISTPRB	S12LBASSISTPRB:W12 Reg help ailing friend/fam	Categ
13	S13LBASSISTPRB	S13LBASSISTPRB:W13 Reg help ailing friend/fam	Categ
14	S14LBASSISTPRB	S14LBASSISTPRB:W14 Reg help ailing friend/fam	Categ
15	S15LBASSISTPRB	S15LBASSISTPRB:W15 Reg help ailing friend/fam	Categ
16	S16LBASSISTPRB	S16LBASSISTPRB:W16 Reg help ailing friend/fam	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8LBONCHRSTR	7567	0.37	0.82	0.0	8.0
R10LBONCHRSTR	8191	0.39	0.85	0.0	8.0
R11LBONCHRSTR	7227	0.39	0.86	0.0	7.0
R12LBONCHRSTR	7402	0.39	0.89	0.0	8.0
R13LBONCHRSTR	6237	0.43	0.95	0.0	8.0
R14LBONCHRSTR	5594	0.36	0.86	0.0	8.0
R15LBONCHRSTR	4621	0.30	0.77	0.0	8.0
R16LBONCHRSTR	4387	0.34	0.82	0.0	8.0
S8LBONCHRSTR	5113	0.33	0.76	0.0	8.0
S10LBONCHRSTR	5268	0.35	0.80	0.0	8.0
S11LBONCHRSTR	4546	0.37	0.83	0.0	7.0
S12LBONCHRSTR	4582	0.36	0.85	0.0	8.0
S13LBONCHRSTR	3722	0.38	0.88	0.0	7.0
S14LBONCHRSTR	3323	0.32	0.78	0.0	7.0
S15LBONCHRSTR	2661	0.28	0.74	0.0	8.0
S16LBONCHRSTR	2435	0.28	0.75	0.0	8.0
R8LBHLTHPRB	7494	2.10	1.00	1.0	4.0
R10LBHLTHPRB	8139	2.14	0.99	1.0	4.0
R11LBHLTHPRB	7165	2.18	1.00	1.0	4.0
R12LBHLTHPRB	7349	2.18	0.97	1.0	4.0
R13LBHLTHPRB	6184	2.20	0.97	1.0	4.0
R14LBHLTHPRB	5546	2.17	0.96	1.0	4.0
R15LBHLTHPRB	4598	2.18	0.93	1.0	4.0
R16LBHLTHPRB	4357	2.19	0.95	1.0	4.0
S8LBHLTHPRB	5072	2.04	0.99	1.0	4.0
S10LBHLTHPRB	5235	2.09	0.97	1.0	4.0
S11LBHLTHPRB	4505	2.11	0.99	1.0	4.0
S12LBHLTHPRB	4557	2.14	0.97	1.0	4.0
S13LBHLTHPRB	3693	2.12	0.96	1.0	4.0
S14LBHLTHPRB	3299	2.11	0.95	1.0	4.0

S15LBHLTHPRB	2651	2.13	0.92	1.0	4.0
S16LBHLTHPRB	2427	2.13	0.94	1.0	4.0
R8LBFAMHLTHPRB	7388	1.72	1.03	1.0	4.0
R10LBFAMHLTHPR	8016	1.74	1.01	1.0	4.0
R11LBFAMHLTHPR	7082	1.75	1.01	1.0	4.0
R12LBFAMHLTHPR	7230	1.84	1.02	1.0	4.0
R13LBFAMHLTHPR	6074	1.88	1.03	1.0	4.0
R14LBFAMHLTHPR	5491	1.83	1.01	1.0	4.0
R15LBFAMHLTHPR	4538	1.81	0.98	1.0	4.0
R16LBFAMHLTHPR	4296	1.81	0.98	1.0	4.0
S8LBFAMHLTHPRB	5051	1.77	1.03	1.0	4.0
S10LBFAMHLTHPR	5214	1.80	1.01	1.0	4.0
S11LBFAMHLTHPR	4490	1.81	1.02	1.0	4.0
S12LBFAMHLTHPR	4538	1.92	1.02	1.0	4.0
S13LBFAMHLTHPR	3675	1.95	1.03	1.0	4.0
S14LBFAMHLTHPR	3288	1.91	1.01	1.0	4.0
S15LBFAMHLTHPR	2634	1.89	0.99	1.0	4.0
S16LBFAMHLTHPR	2414	1.88	0.98	1.0	4.0
R8LBFAMDRUGPRB	7456	1.33	0.81	1.0	4.0
R10LBFAMDRUGPR	8080	1.31	0.77	1.0	4.0
R11LBFAMDRUGPR	7132	1.31	0.77	1.0	4.0
R12LBFAMDRUGPR	7290	1.36	0.81	1.0	4.0
R13LBFAMDRUGPR	6145	1.41	0.87	1.0	4.0
R14LBFAMDRUGPR	5535	1.38	0.83	1.0	4.0
R15LBFAMDRUGPR	4581	1.33	0.78	1.0	4.0
R16LBFAMDRUGPR	4335	1.36	0.81	1.0	4.0
S8LBFAMDRUGPRB	5068	1.31	0.80	1.0	4.0
S10LBFAMDRUGPR	5222	1.29	0.75	1.0	4.0
S11LBFAMDRUGPR	4513	1.31	0.78	1.0	4.0
S12LBFAMDRUGPR	4530	1.35	0.80	1.0	4.0
S13LBFAMDRUGPR	3697	1.41	0.87	1.0	4.0
S14LBFAMDRUGPR	3298	1.34	0.79	1.0	4.0
S15LBFAMDRUGPR	2644	1.34	0.79	1.0	4.0
S16LBFAMDRUGPR	2421	1.34	0.78	1.0	4.0
R8LBWORKPRB	7255	1.21	0.58	1.0	4.0
R10LBWORKPRB	7877	1.28	0.67	1.0	4.0
R11LBWORKPRB	7053	1.27	0.66	1.0	4.0
R12LBWORKPRB	7053	1.30	0.70	1.0	4.0
R13LBWORKPRB	5903	1.37	0.75	1.0	4.0
R14LBWORKPRB	5337	1.29	0.66	1.0	4.0
R15LBWORKPRB	4425	1.26	0.64	1.0	4.0
R16LBWORKPRB	4212	1.27	0.65	1.0	4.0
S8LBWORKPRB	4962	1.22	0.60	1.0	4.0
S10LBWORKPRB	5126	1.28	0.66	1.0	4.0
S11LBWORKPRB	4461	1.27	0.67	1.0	4.0
S12LBWORKPRB	4412	1.32	0.71	1.0	4.0
S13LBWORKPRB	3586	1.38	0.73	1.0	4.0
S14LBWORKPRB	3190	1.29	0.66	1.0	4.0
S15LBWORKPRB	2565	1.28	0.64	1.0	4.0
S16LBWORKPRB	2354	1.25	0.62	1.0	4.0
R8LBFINPRB	7432	1.63	0.92	1.0	4.0
R10LBFINPRB	8059	1.81	0.99	1.0	4.0

R11LBFINPRB	7149	1.78	0.98	1.0	4.0
R12LBFINPRB	7280	1.74	0.96	1.0	4.0
R13LBFINPRB	6134	1.82	0.98	1.0	4.0
R14LBFINPRB	5518	1.69	0.92	1.0	4.0
R15LBFINPRB	4561	1.55	0.85	1.0	4.0
R16LBFINPRB	4325	1.62	0.89	1.0	4.0
S8LBFINPRB	5038	1.56	0.87	1.0	4.0
S10LBFINPRB	5213	1.75	0.96	1.0	4.0
S11LBFINPRB	4503	1.73	0.95	1.0	4.0
S12LBFINPRB	4531	1.69	0.93	1.0	4.0
S13LBFINPRB	3680	1.74	0.92	1.0	4.0
S14LBFINPRB	3284	1.61	0.88	1.0	4.0
S15LBFINPRB	2634	1.46	0.78	1.0	4.0
S16LBFINPRB	2412	1.52	0.82	1.0	4.0
R8LBHOUSEPRB	7422	1.17	0.55	1.0	4.0
R10LBHOUSEPRB	8046	1.28	0.67	1.0	4.0
R11LBHOUSEPRB	7140	1.29	0.69	1.0	4.0
R12LBHOUSEPRB	7251	1.31	0.70	1.0	4.0
R13LBHOUSEPRB	6134	1.37	0.75	1.0	4.0
R14LBHOUSEPRB	5511	1.32	0.71	1.0	4.0
R15LBHOUSEPRB	4562	1.26	0.64	1.0	4.0
R16LBHOUSEPRB	4323	1.32	0.71	1.0	4.0
S8LBHOUSEPRB	5038	1.13	0.48	1.0	4.0
S10LBHOUSEPRB	5205	1.23	0.62	1.0	4.0
S11LBHOUSEPRB	4500	1.24	0.63	1.0	4.0
S12LBHOUSEPRB	4512	1.26	0.64	1.0	4.0
S13LBHOUSEPRB	3679	1.30	0.67	1.0	4.0
S14LBHOUSEPRB	3282	1.26	0.63	1.0	4.0
S15LBHOUSEPRB	2636	1.20	0.54	1.0	4.0
S16LBHOUSEPRB	2410	1.23	0.59	1.0	4.0
R8LBRLTNSHPRB	7425	1.33	0.75	1.0	4.0
R10LBRLTNSHPRB	8044	1.38	0.78	1.0	4.0
R11LBRLTNSHPRB	7134	1.40	0.79	1.0	4.0
R12LBRLTNSHPRB	7287	1.42	0.80	1.0	4.0
R13LBRLTNSHPRB	6137	1.49	0.85	1.0	4.0
R14LBRLTNSHPRB	5518	1.43	0.81	1.0	4.0
R15LBRLTNSHPRB	4561	1.39	0.76	1.0	4.0
R16LBRLTNSHPRB	4330	1.43	0.81	1.0	4.0
S8LBRLTNSHPRB	5045	1.33	0.74	1.0	4.0
S10LBRLTNSHPRB	5216	1.38	0.76	1.0	4.0
S11LBRLTNSHPRB	4509	1.39	0.78	1.0	4.0
S12LBRLTNSHPRB	4542	1.43	0.79	1.0	4.0
S13LBRLTNSHPRB	3692	1.50	0.84	1.0	4.0
S14LBRLTNSHPRB	3284	1.43	0.79	1.0	4.0
S15LBRLTNSHPRB	2633	1.40	0.76	1.0	4.0
S16LBRLTNSHPRB	2419	1.44	0.80	1.0	4.0
R8LBASSISTPRB	7404	1.53	0.82	1.0	4.0
R10LBASSISTPRB	8048	1.48	0.78	1.0	4.0
R11LBASSISTPRB	7123	1.49	0.79	1.0	4.0
R12LBASSISTPRB	7294	1.51	0.80	1.0	4.0
R13LBASSISTPRB	6144	1.54	0.80	1.0	4.0
R14LBASSISTPRB	5520	1.52	0.79	1.0	4.0
R15LBASSISTPRB	4559	1.49	0.77	1.0	4.0

R16LBASSISTPRB	4331	1.50	0.78	1.0	4.0
S8LBASSISTPRB	5029	1.54	0.81	1.0	4.0
S10LBASSISTPRB	5209	1.49	0.78	1.0	4.0
S11LBASSISTPRB	4493	1.51	0.79	1.0	4.0
S12LBASSISTPRB	4542	1.53	0.80	1.0	4.0
S13LBASSISTPRB	3689	1.56	0.80	1.0	4.0
S14LBASSISTPRB	3295	1.53	0.79	1.0	4.0
S15LBASSISTPRB	2631	1.52	0.79	1.0	4.0
S16LBASSISTPRB	2416	1.51	0.78	1.0	4.0

Categorical Variable Codes

RwLBHLTHPRB: Self ongoing health problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB								9765		10799
.M=Other missing								235		193
.N=Did not return LB								975		2903
1. No did not happen								2703		2648
2. Yes but not upsetting								2084		2483
3. Yes somewhat upsetting								1983		2196
4. Yes very upsetting								724		812

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	10474	9193	10660	8338	8279	7048
.M=Other missing	247	192	186	193	90	108
.N=Did not return LB	2668	2013	3882	3069	2756	4274
1. No did not happen	2280	2178	1816	1662	1282	1254
2. Yes but not upsetting	2101	2392	1982	1784	1600	1417
3. Yes somewhat upsetting	2012	2052	1749	1613	1335	1298
4. Yes very upsetting	772	727	637	487	381	388

SwLBHLTHPRB: Self ongoing health problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB								6018		6573
.M=Other missing								119		102
.N=Did not return LB								526		1603
.U=Unmarried								6417		7797
.V=Spouse NR								317		724
1. No did not happen								1964		1809
2. Yes but not upsetting								1381		1600
3. Yes somewhat upsetting								1309		1365
4. Yes very upsetting								418		461

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	6439	5333	6041	4485	4576	3434
.M=Other missing	133	78	87	99	31	44
.N=Did not return LB	1407	1044	1958	1475	1219	1935
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1. No did not happen	1563	1436	1171	1060	785	741
2. Yes but not upsetting	1315	1482	1224	1067	934	808
3. Yes somewhat upsetting	1193	1213	976	914	738	690
4. Yes very upsetting	434	426	322	258	194	188

RwLBFAMHLTHPRB: Ongoing phy/emot problems in sp/chld

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB								9765		10800
.M=Other missing								341		315
.N=Did not return LB								975		2903
1. No did not happen								4625		4796
2. Yes but not upsetting								823		1131
3. Yes somewhat upsetting								1342		1498
4. Yes very upsetting								598		591

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	10474	9193	10660	8338	8279	7048
.M=Other missing	330	311	296	248	150	169
.N=Did not return LB	2668	2013	3882	3069	2756	4274
1. No did not happen	4212	3848	3119	2938	2427	2312
2. Yes but not upsetting	981	1237	1072	939	833	776
3. Yes somewhat upsetting	1355	1581	1358	1212	993	939
4. Yes very upsetting	534	564	525	402	285	269

SwLBFAMHLTHPRB: Ongoing phy/emot problems in sp/chld

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB								6018		6574
.M=Other missing								140		122
.N=Did not return LB								526		1603
.U=Unmarried								6417		7797
.V=Spouse NR								317		724
1. No did not happen								2984		2918
2. Yes but not upsetting								640		815
3. Yes somewhat upsetting								1035		1096
4. Yes very upsetting								392		385

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	6439	5333	6041	4485	4576	3434
.M=Other missing	148	97	105	110	48	57
.N=Did not return LB	1407	1044	1958	1475	1219	1935
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1. No did not happen	2485	2202	1707	1591	1266	1174
2. Yes but not upsetting	700	874	742	647	570	502
3. Yes somewhat upsetting	961	1095	913	811	623	588
4. Yes very upsetting	344	367	313	239	175	150

RwLBFAMDRUGPRB: Ongoing drug/alcohol probs fam mbr

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB								9765		10799
.M=Other missing								273		252
.N=Did not return LB								975		2903
1. No did not happen								6307		6799
2. Yes but not upsetting								242		382
3. Yes somewhat upsetting								537		579
4. Yes very upsetting								370		320

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	10474	9193	10660	8338	8279	7048
.M=Other missing	280	251	225	204	107	130
.N=Did not return LB	2668	2013	3882	3069	2756	4274
1. No did not happen	5994	5927	4851	4457	3760	3502
2. Yes but not upsetting	308	426	390	345	286	283
3. Yes somewhat upsetting	560	633	568	464	365	372
4. Yes very upsetting	270	304	336	269	170	178

SwLBFAMDRUGPRB: Ongoing drug/alcohol probs fam mbr

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB								6018		6573
.M=Other missing								123		115
.N=Did not return LB								526		1603
.U=Unmarried								6417		7797
.V=Spouse NR								317		724
1. No did not happen								4309		4439
2. Yes but not upsetting								157		233
3. Yes somewhat upsetting								371		359
4. Yes very upsetting								231		191

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	6439	5333	6041	4485	4576	3434
.M=Other missing	125	105	83	100	38	50
.N=Did not return LB	1407	1044	1958	1475	1219	1935
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1. No did not happen	3808	3696	2924	2697	2163	1974
2. Yes but not upsetting	180	260	223	207	162	150
3. Yes somewhat upsetting	339	392	349	262	216	216
4. Yes very upsetting	186	182	201	132	103	81

RwLBWORKPRB: Ongoing difficulties at work

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB								9765		10799
.M=Other missing								474		455
.N=Did not return LB								975		2903
1. No did not happen								6310		6497
2. Yes but not upsetting								476		710
3. Yes somewhat upsetting								382		520
4. Yes very upsetting								87		150

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	10474	9193	10661	8338	8279	7048
.M=Other missing	359	488	466	402	263	253
.N=Did not return LB	2668	2013	3882	3069	2756	4274
1. No did not happen	5894	5730	4507	4333	3654	3486
2. Yes but not upsetting	581	697	731	558	439	385
3. Yes somewhat upsetting	439	457	515	358	265	273
4. Yes very upsetting	139	169	150	88	67	68

SwLBWORKPRB: Ongoing difficulties at work

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB								6018		6573
.M=Other missing								229		211
.N=Did not return LB								526		1603
.U=Unmarried								6417		7797
.V=Spouse NR								317		724
1. No did not happen								4269		4196
2. Yes but not upsetting								356		493
3. Yes somewhat upsetting								272		352
4. Yes very upsetting								65		85

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	6439	5333	6042	4485	4576	3434
.M=Other missing	177	223	193	208	117	117
.N=Did not return LB	1407	1044	1958	1475	1219	1935
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1. No did not happen	3706	3526	2704	2578	2094	1973
2. Yes but not upsetting	374	472	491	345	271	201
3. Yes somewhat upsetting	294	311	316	221	163	152
4. Yes very upsetting	87	103	75	46	37	28

RwLBFINPRB: Ongoing financial strain

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB								9765		10799
.M=Other missing								297		273
.N=Did not return LB								975		2903
1. No did not happen								4625		4251
2. Yes but not upsetting								1305		1705
3. Yes somewhat upsetting								1102		1481
4. Yes very upsetting								400		622

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	10474	9194	10660	8338	8279	7048
.M=Other missing	263	260	236	221	127	140
.N=Did not return LB	2668	2013	3882	3069	2756	4274
1. No did not happen	3887	4037	3163	3193	2961	2655
2. Yes but not upsetting	1440	1547	1363	1144	880	846
3. Yes somewhat upsetting	1330	1219	1176	888	545	633
4. Yes very upsetting	492	477	432	293	175	191

SwLBFINPRB: Ongoing financial strain

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB								6018		6573
.M=Other missing								153		124
.N=Did not return LB								526		1603
.U=Unmarried								6417		7797
.V=Spouse NR								317		724
1. No did not happen								3306		2884
2. Yes but not upsetting								852		1098
3. Yes somewhat upsetting								674		895
4. Yes very upsetting								206		336

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	6439	5334	6041	4485	4576	3434
.M=Other missing	135	103	100	114	48	59
.N=Did not return LB	1407	1044	1958	1475	1219	1935
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1. No did not happen	2552	2630	1988	2023	1827	1606
2. Yes but not upsetting	891	918	848	650	473	440
3. Yes somewhat upsetting	806	747	657	480	265	293
4. Yes very upsetting	254	236	187	131	69	73

RwLBHOUSEPRB: Ongoing housing problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB								9765		10800
.M=Other missing								307		285
.N=Did not return LB								975		2903
1. No did not happen								6634		6670
2. Yes but not upsetting								404		705
3. Yes somewhat upsetting								278		500
4. Yes very upsetting								106		171

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	10474	9193	10660	8338	8279	7048
.M=Other missing	272	290	236	228	126	142
.N=Did not return LB	2668	2013	3882	3069	2756	4274
1. No did not happen	5876	5836	4686	4383	3799	3462
2. Yes but not upsetting	638	776	788	623	432	452
3. Yes somewhat upsetting	463	456	479	371	252	308
4. Yes very upsetting	163	183	181	134	79	101

SwLBHOUSEPRB: Ongoing housing problems

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB								6018		6573
.M=Other missing								153		132
.N=Did not return LB								526		1603
.U=Unmarried								6417		7797
.V=Spouse NR								317		724
1. No did not happen								4606		4446
2. Yes but not upsetting								241		396
3. Yes somewhat upsetting								142		277
4. Yes very upsetting								49		86

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	6439	5333	6041	4485	4576	3434
.M=Other missing	138	123	101	116	46	61
.N=Did not return LB	1407	1044	1958	1475	1219	1935
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1. No did not happen	3835	3745	2940	2720	2271	2037
2. Yes but not upsetting	337	442	438	328	232	215
3. Yes somewhat upsetting	248	246	230	182	109	132
4. Yes very upsetting	80	79	71	52	24	26

RwLBRLTNSHPRB: Ongoing problems close relationship

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB								9765		10799
.M=Other missing								304		288
.N=Did not return LB								975		2903
1. No did not happen								6037		6191
2. Yes but not upsetting								566		860
3. Yes somewhat upsetting								602		750
4. Yes very upsetting								220		243

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	10474	9193	10661	8338	8279	7048
.M=Other missing	278	254	232	221	127	135
.N=Did not return LB	2668	2013	3882	3069	2756	4274
1. No did not happen	5470	5407	4311	4072	3449	3176
2. Yes but not upsetting	745	915	893	707	557	575
3. Yes somewhat upsetting	680	717	684	551	443	431
4. Yes very upsetting	239	248	249	188	112	148

SwLBRLTNSHPRB: Ongoing problems close relationship

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB								6018		6573
.M=Other missing								146		121
.N=Did not return LB								526		1603
.U=Unmarried								6417		7797
.V=Spouse NR								317		724
1. No did not happen								4092		4003
2. Yes but not upsetting								392		590
3. Yes somewhat upsetting								421		497
4. Yes very upsetting								140		126

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	6439	5333	6041	4485	4576	3434
.M=Other missing	129	93	88	114	49	52
.N=Did not return LB	1407	1044	1958	1475	1219	1935
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1. No did not happen	3434	3334	2558	2405	1970	1760
2. Yes but not upsetting	502	622	571	448	336	336
3. Yes somewhat upsetting	441	448	425	339	271	246
4. Yes very upsetting	132	138	138	92	56	77

RwLBASSISTPRB: Reg help ailing friend/fam

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB								9765		10800
.M=Other missing								325		283
.N=Did not return LB								975		2903
1. No did not happen								4772		5413
2. Yes but not upsetting								1631		1684
3. Yes somewhat upsetting								710		692
4. Yes very upsetting								291		259

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	10474	9193	10660	8338	8279	7048
.M=Other missing	289	247	226	219	129	134
.N=Did not return LB	2668	2013	3882	3069	2756	4274
1. No did not happen	4732	4737	3807	3546	2978	2830
2. Yes but not upsetting	1519	1643	1518	1276	1047	973
3. Yes somewhat upsetting	640	671	632	523	409	400
4. Yes very upsetting	232	243	187	175	125	128

SwLBASSISTPRB: Reg help ailing friend/fam

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB								6018		6573
.M=Other missing								162		128
.N=Did not return LB								526		1603
.U=Unmarried								6417		7797
.V=Spouse NR								317		724
1. No did not happen								3188		3441
2. Yes but not upsetting								1164		1137
3. Yes somewhat upsetting								497		474
4. Yes very upsetting								180		157

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	6439	5333	6041	4485	4576	3434
.M=Other missing	145	93	91	103	51	55
.N=Did not return LB	1407	1044	1958	1475	1219	1935
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1. No did not happen	2910	2844	2254	2065	1669	1554
2. Yes but not upsetting	1018	1108	934	804	632	570
3. Yes somewhat upsetting	420	450	384	327	254	222
4. Yes very upsetting	145	140	117	99	76	70

General Comments

Construction of the scale, based on information elicited in the Leave-Behind Survey, follows the instructions in the HRS 2006-2022 HRS Psychosocial and Lifestyle Questionnaire User Guide and relevant literature. Harmonization and processing occurs for all Leave-Behind measures. If a Respondent did not return the questionnaire, scales and measures are set to ".N" to indicate not returned.

How Constructed

RwLBHLTHPRB, RwLBFAMHLTHPRB, RwLBFAMDRUGPRB, RwLBWORKPRB, RwLBFINPRB, RwLBHOUSEPRB, RwLBRLTNSHPRB, and RwLBASSISTPRB are questions used to assess a Respondent's exposure and perception of common chronic stressors. Responses indicate if a problem has lasted at least twelve months and how upsetting each problem has been using one of four categories, "1=No, didn't happen," "2=Yes, but not upsetting," "3=Yes, somewhat upsetting," or "4=Yes, very upsetting." Items are scored 1-4 by HRS.

RwLBONCHRSTR is a scale indicator that assesses the Respondent's cumulative chronic stress. It identifies instances of chronic stress using the categorization method found in "Chronic stress burden, discrimination, and subclinical carotid artery disease in African American and Caucasian women." (Troxel et al., 2003) that identifies the response "Yes, very upsetting" as indicating chronic stress. The scale counts each instance of a "Yes, very upsetting" response for the eight input questions. This method uses the scale construction suggested in 2006-2022 HRS Psychosocial and Lifestyle Questionnaire User Guide "Ongoing Chronic Stressors" in combination with Troxel's method for identifying chronic stress responses.

RwLBHLTHPRB, RwLBFAMHLTHPRB, RwLBFAMDRUGPRB, RwLBWORKPRB, RwLBFINPRB, RwLBHOUSEPRB, RwLBRLTNSHPRB, and RwLBASSISTPRB provide reports of ongoing stressful problems and perception of associated stress. RwLBHLTHPRB identifies if a Respondent reports "Ongoing health problems (in yourself)." RwLBFAMHLTHPRB identifies if a Respondent reports "Ongoing physical or emotional problems (in spouse or child)." RwLBFAMDRUGPRB identifies if a Respondent reports "Ongoing problems with alcohol or drug use in family member." RwLBWORKPRB identifies if a Respondent reports "Ongoing difficulties at work." RwLBFINPRB identifies if a Respondent reports "Ongoing financial strain." RwLBHOUSEPRB identifies if a

Respondent reports "Ongoing housing problems." RwLBRLTNSHPRB identifies if a Respondent reports "Ongoing problems in a close relationship." RwLBASSISTPRB identifies if a Respondent reports "Helping at least one sick, limited, or frail family member or friend on a regular basis."

RwLBONCHRSTR counts all responses of "Yes, very upsetting" to the eight chronic stress input questions. The scale dichotomously treats lower levels of perceived stress, nonoccurrence of problems, or non-response as a zero value. Thus, the higher the score, the higher the Respondent rates in ongoing chronic stress.

SwLBHLTHPRB, SwLBFAMHLTHPRB, SwLBFAMDRUGPRB, SwLBWORKPRB, SwLBFINPRB, SwLBHOUSEPRB, SwLBRLTNSHPRB, SwLBASSISTPRB, and SwLBONCHRSTR are analogous spouse variables.

Cross Wave Differences in Original HRS Data

The Ongoing Chronic Stressor Scale and its input questions are provided starting in Wave 8 (2006). In Wave 9 (2008) HRS did not ask Leave-Behind Respondents the input questions for the scale, so they are not provided for this wave.

By design the Leave-Behind Survey is administered to select Respondents once every four years or every other wave. As a result, Respondents are only eligible to complete the survey in alternating waves. Respondents who did not respond because they are ineligible to participate in a wave are marked ".A=Ineligible for LB" to indicate they are assigned to the alternative cohort.

In Wave 16 (2022), new cohort Respondents (HACOHORT=8) may have misidentified eligibility. The use of ".A=Ineligible for LB" is restricted in this wave for psychosocial variables that have a returned survey in Wave 16. In cases where a survey has been returned and variables and scales have been skipped by the Respondent, the scale or variable is set to ".M=Other Missing."

HRS Variables Used

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HRS 2006:
    KLB040A         Q40A. ONGOING HEALTH PROBLEM - YOURSELF
    KLB040B         Q40B. ONGOING PHYSICAL PROBLEM -SP/CHILD
    KLB040C         Q40C. ONGOING PROBLEM WITH ALCOHOL -FAM
    KLB040D         Q40D. ONGOING DIFFICULTIES AT WORK
    KLB040E         Q40E. ONGOING FINANCIAL STRAIN
    KLB040F         Q40F. ONGOING HOUSING PROBLEMS
    KLB040G         Q40G. ONGOING PROB IN CLOSE RELATIONSHIP
    KLB040H         Q40H. HELP ONE SICK FAM MEMBER OR FRIEND
HRS 2006-2022:
    xLBCOMP         MODE COMPLETED LEAVE BEHIND QNAIRE
    xLBELIG         2006 LEAVE BEHIND ELIGIBILITY
HRS 2010-2012:
    xLB040A_A       Q40A_A. SELF ONGOING HEALTH PROBLEMS
    xLB040A_B       Q40A_B. ONGOING PHY/EMOT PROBLEMS IN SP/CHLD
    xLB040A_C       Q40A_C. ONGOING DRUG/ALCOHOL PROBS FAM MBR
    xLB040A_D       Q40A_D. ONGOING DIFFICULTIES AT WORK
    xLB040A_E       Q40A_E. ONGOING FINANCIAL STRAIN
    xLB040A_F       Q40A_F. ONGOING HOUSING PREOBLEMS
    xLB040A_G       Q40A_G. ONGOING PROBLEMS CLOSE RELATIONSHIP
    xLB040A_H       Q40A_H. REG HELP AILING FRIEND/FAM
HRS 2014-2018:
    xLB035A_1       Q35A_A. SELF ONGOING HEALTH PROBLEMS
    xLB035A_2       Q35A_B. ONGOING PHY/EMOT PROBLEMS IN SP/CHLD
    xLB035A_3       Q35A_C. ONGOING DRUG/ALCOHOL PROBS FAM MBR
    xLB035A_4       Q35A_D. ONGOING DIFFICULTIES AT WORK
    xLB035A_5       Q35A_E. ONGOING FINANCIAL STRAIN
    xLB035A_6       Q35A_F. ONGOING HOUSING PREOBLEMS
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    xLB035A_7       Q35A_G. ONGOING PROBLEMS CLOSE RELATIONSHIP
    xLB035A_8       Q35A_H. REG HELP AILING FRIEND/FAM
HRS 2020-2022:
    xLB035A1        Q35A1. SELF HEALTH PROBLEMS
    xLB035A2        Q35A2. PHY/EMOT PROBLEMS IN SP/CHLD
    xLB035A3        Q35A3. DRUG/ALCOHOL PROBS FAM MBR
    xLB035A4        Q35A4. DIFFICULTIES AT WORK
    xLB035A5        Q35A5. FINANCIAL STRAIN
    xLB035A6        Q35A6. HOUSING PREOBLEMS
    xLB035A7        Q35A7. PROBLEMS IN RELATIONSHIP
    xLB035A8        Q35A8. REG HELP AILING FRIEND/FAM
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Emotional Well-being

Wave	Variable	Label	Type
8	R8LBPOSAFFECT6	R8LBPOSAFFECT6:W8 Positive affect 6-question scales	Cont
8	S8LBPOSAFFECT6	S8LBPOSAFFECT6:W8 Positive affect 6-question scales	Cont
8	R8LBNEGAFFECT6	R8LBNEGAFFECT6:W8 Negative affect 6-question scales	Cont
8	S8LBNEGAFFECT6	S8LBNEGAFFECT6:W8 Negative affect 6-question scales	Cont
9	R9LBPOSAFFECT	R9LBPOSAFFECT:W9 Positive affect 13-question scale	Cont
10	R10LBPOSAFFECT	R10LBPOSAFFECT:W10 Positive affect 13-question scale	Cont
11	R11LBPOSAFFECT	R11LBPOSAFFECT:W11 Positive affect 13-question scale	Cont
12	R12LBPOSAFFECT	R12LBPOSAFFECT:W12 Positive affect 13-question scale	Cont
13	R13LBPOSAFFECT	R13LBPOSAFFECT:W13 Positive affect 13-question scale	Cont
14	R14LBPOSAFFECT	R14LBPOSAFFECT:W14 Positive affect 13-question scale	Cont
15	R15LBPOSAFFECT	R15LBPOSAFFECT:W15 Positive affect 13-question scale	Cont
16	R16LBPOSAFFECT	R16LBPOSAFFECT:W16 Positive affect 13-question scale	Cont
9	S9LBPOSAFFECT	S9LBPOSAFFECT:W9 Positive affect 13-question scale	Cont
10	S10LBPOSAFFECT	S10LBPOSAFFECT:W10 Positive affect 13-question scale	Cont
11	S11LBPOSAFFECT	S11LBPOSAFFECT:W11 Positive affect 13-question scale	Cont
12	S12LBPOSAFFECT	S12LBPOSAFFECT:W12 Positive affect 13-question scale	Cont
13	S13LBPOSAFFECT	S13LBPOSAFFECT:W13 Positive affect 13-question scale	Cont
14	S14LBPOSAFFECT	S14LBPOSAFFECT:W14 Positive affect 13-question scale	Cont
15	S15LBPOSAFFECT	S15LBPOSAFFECT:W15 Positive affect 13-question scale	Cont
16	S16LBPOSAFFECT	S16LBPOSAFFECT:W16 Positive affect 13-question scale	Cont
9	R9LBNEGAFFECT	R9LBNEGAFFECT:W9 Negative affect 12-question scale	Cont
10	R10LBNEGAFFECT	R10LBNEGAFFECT:W10 Negative affect 12-question scale	Cont
11	R11LBNEGAFFECT	R11LBNEGAFFECT:W11 Negative affect 12-question scale	Cont
12	R12LBNEGAFFECT	R12LBNEGAFFECT:W12 Negative affect 12-question scale	Cont
13	R13LBNEGAFFECT	R13LBNEGAFFECT:W13 Negative affect 12-question scale	Cont
14	R14LBNEGAFFECT	R14LBNEGAFFECT:W14 Negative affect 12-question scale	Cont
15	R15LBNEGAFFECT	R15LBNEGAFFECT:W15 Negative affect 12-question scale	Cont
16	R16LBNEGAFFECT	R16LBNEGAFFECT:W16 Negative affect 12-question scale	Cont
9	S9LBNEGAFFECT	S9LBNEGAFFECT:W9 Negative affect 12-question scale	Cont
10	S10LBNEGAFFECT	S10LBNEGAFFECT:W10 Negative affect 12-question scale	Cont
11	S11LBNEGAFFECT	S11LBNEGAFFECT:W11 Negative affect 12-question scale	Cont
12	S12LBNEGAFFECT	S12LBNEGAFFECT:W12 Negative affect 12-question scale	Cont
13	S13LBNEGAFFECT	S13LBNEGAFFECT:W13 Negative affect 12-question scale	Cont
14	S14LBNEGAFFECT	S14LBNEGAFFECT:W14 Negative affect 12-question scale	Cont
15	S15LBNEGAFFECT	S15LBNEGAFFECT:W15 Negative affect 12-question scale	Cont
16	S16LBNEGAFFECT	S16LBNEGAFFECT:W16 Negative affect 12-question scale	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8LBPOSAFFECT6	7623	3.57	0.70	1.0	5.0
S8LBPOSAFFECT6	5138	3.61	0.68	1.0	5.0
R8LBNEGAFFECT6	7594	1.65	0.68	1.0	5.0
S8LBNEGAFFECT6	5123	1.60	0.64	1.0	5.0
R9LBPOSAFFECT	6929	3.56	0.81	1.0	5.0
R10LBPOSAFFECT	8178	3.54	0.81	1.0	5.0
R11LBPOSAFFECT	7240	3.53	0.82	1.0	5.0

R12LBPOSAFFECT	7436	3.52	0.82	1.0	5.0
R13LBPOSAFFECT	6244	3.56	0.81	1.0	5.0
R14LBPOSAFFECT	5608	3.60	0.81	1.0	5.0
R15LBPOSAFFECT	4615	3.56	0.81	1.0	5.0
R16LBPOSAFFECT	4394	3.59	0.81	1.0	5.0
S9LBPOSAFFECT	4360	3.61	0.78	1.0	5.0
S10LBPOSAFFECT	5261	3.60	0.79	1.0	5.0
S11LBPOSAFFECT	4555	3.59	0.80	1.0	5.0
S12LBPOSAFFECT	4584	3.57	0.80	1.0	5.0
S13LBPOSAFFECT	3724	3.61	0.79	1.0	5.0
S14LBPOSAFFECT	3331	3.65	0.79	1.0	5.0
S15LBPOSAFFECT	2649	3.61	0.81	1.0	5.0
S16LBPOSAFFECT	2437	3.65	0.79	1.0	5.0
R9LBNEGAFFECT	6938	1.75	0.63	1.0	5.0
R10LBNEGAFFECT	8181	1.77	0.64	1.0	5.0
R11LBNEGAFFECT	7244	1.78	0.66	1.0	5.0
R12LBNEGAFFECT	7448	1.76	0.65	1.0	5.0
R13LBNEGAFFECT	6251	1.77	0.65	1.0	5.0
R14LBNEGAFFECT	5610	1.75	0.64	1.0	5.0
R15LBNEGAFFECT	4617	1.80	0.64	1.0	5.0
R16LBNEGAFFECT	4396	1.74	0.63	1.0	5.0
S9LBNEGAFFECT	4365	1.72	0.61	1.0	4.8
S10LBNEGAFFECT	5263	1.74	0.62	1.0	5.0
S11LBNEGAFFECT	4557	1.74	0.63	1.0	5.0
S12LBNEGAFFECT	4589	1.74	0.63	1.0	5.0
S13LBNEGAFFECT	3727	1.73	0.62	1.0	5.0
S14LBNEGAFFECT	3326	1.71	0.62	1.0	4.8
S15LBNEGAFFECT	2653	1.77	0.62	1.0	4.9
S16LBNEGAFFECT	2438	1.71	0.59	1.0	4.8

General Comments

Construction of the scales, based on information elicited in the Leave-Behind Survey, follows the instructions in HRS 2006-2022 HRS Psychosocial and Lifestyle Questionnaire User Guide unless otherwise noted. If more than half of HRS Leave-Behind components in a scale are missing, the scale is set to ".P" missing due to partial scale inputs. If a Respondent did not return the questionnaire, the scale is set to ".N" to indicate not returned.

How Constructed

R8LBPOSAFFECT6, R8LBNEGAFFECT6, R8LBPOSAFFECT, and R8LBNEGAFFECT are scale indicators used to assess the positive and negative dimensions of emotional well-being. R8LBPOSAFFECT6 and R8LBNEGAFFECT6 scales are based on items drawn from the survey of Midlife Development in the U.S. (MIDUS). Responses indicate how frequently an item is felt using one of five categories, "1=All of the time," "2=Most of the time," "3=Some of the time," "4=A little of the time," or "5=None of the time." Items are scored 1-5 by HRS. Note higher scores on input questions correspond to less affect. Before averaging response scores, inputs are therefore inverted so that responses with higher values correspond to more affect.

RwLBPOSAFFECT and RwLBNEGAFFECT scales are based on items drawn from Positive and Negative Affect Schedule – Expanded Form (PANAS-X; Watson & Clark, 1994). Responses indicate how much an item is felt using one of five categories, "1=Very much," "2=Quite a bit," "3=Moderately," "4=A little," or "5=Not at all." Items are scored 1-5 by HRS. Note higher scores on input questions correspond to less affect. Before averaging response scores, inputs are therefore inverted so that responses with higher values

correspond to more affect.

R8LBPOSAFFECT6 averages the inversion of "cheerful," "in good spirits," "extremely happy," "calm and peaceful," "satisfied," and "full of life." Thus, the higher the score, the higher the Respondent rates in the positive affect dimension of emotional well-being based on the sub-components asked as part of the Leave-Behind Survey. If more than three items are missing the scale is also set to missing.

R8LBNEGAFFECT6 averages the inversion of "so depressed that nothing could cheer you up," "hopeless," "restless or fidgety," "that everything was an effort," "worthless," and "nervous." Thus, the higher the score, the higher the Respondent rates in the negative affect dimension of emotional well-being based on the sub-components asked as part of the Leave-Behind Survey. If more than three items are missing the scale is also set to missing.

RwLBPOSAFFECT averages the inversion of "Determined," "Enthusiastic," "Active," "Proud," "Interested," "Happy," "Attentive," "Content," "Inspired," "Hopeful," "Alert," "Calm," and "Excited." Thus, the higher the score, the higher the Respondent rates in the positive affect dimension of emotional well-being based on the sub-components asked as part of the Leave-Behind Survey. If more than six items are missing the scale is also set to missing.

RwLBNEGAFFECT averages the inversion of questions "Afraid," "Upset," "Guilty," "Scared," "Frustrated," "Bored," "Hostile," "Jittery," "Ashamed," "Nervous," "Sad," and "Distressed." Thus, the higher the score, the higher the Respondent rates in the negative affect dimension of emotional well-being based on the sub-components asked as part of the Leave-Behind Survey. If more than six items are missing the scale is also set to missing.

S8LBPOSAFFECT6, S8LBNEGAFFECT6, SwLBPOSAFFECT, and SwLBNEGAFFECT are analogous spouse variables.

Cross Wave Differences in Original HRS Data

Scales measuring different dimensions of emotional well-being are provided starting in Wave 8 (2006). While some emotional well-being components were asked in Wave 7 (2004), the pilot administration of the survey, responses differ significantly during this wave, so we do not produce measures for Wave 7.

In Wave 9 (2008), the HRS significantly revised the components used to assess the dimensions of emotional well-being choosing 25 components selected from the Positive and Negative Affect Schedule – Expanded Form (PANAS-X; Watson & Clark, 1994). Thus, beginning in Wave 9, RwLBPOSAFFECT and RwLBNEGAFFECT are produced. The 6-item scale is only produced for Wave 8 (2006) as R8LBPOSAFFECT6 and R8LBNEGAFFECT6 since the components used in these scales were also revised.

Beginning in Wave 9 (2008), the response scale for input questions also changes as part of the adoption of new input PANAS-X questions. Response options continue to be graded on a five-point scale, but they no longer range from "1=All of the time" to "5=None of the time" and instead range from "1=Very much" to "5=Not at all."

By design the Leave-Behind Survey is administered to select Respondents once every four years or every other wave. As a result, Respondents are only eligible to complete the survey in alternating waves. Respondents who did not respond because they are ineligible to participate in a wave are marked ".A=Ineligible for LB" to indicate they are assigned to the alternative cohort.

In Wave 16 (2022), new cohort Respondents (HACOHORT=8) may have misidentified eligibility. The use of ".A=Ineligible for LB" is restricted for psychosocial variables that have a returned survey in Wave 16. In cases where a survey has been returned and all scale inputs have been skipped by the Respondent then the scale is set to ".M=Other Missing."

HRS Variables Used

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HRS 2006-2012:
    xLB027A         Q27A. FEEL CHEERFUL
    xLB027B         Q27B. IN GOOD SPIRITS
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    xLB027C         Q27C. EXTREMELY HAPPY
    xLB027D         Q27D. CALM AND PEACEFUL
    xLB027E         Q27E. SATISFIED
    xLB027F         Q27F. FULL OF LIFE
    xLB027I         Q27I. DEPRESSED NOTHING CHEERING
    xLB027J         Q27J. HOPELESS
    xLB027K         Q27K. RESTLESS OR FIDGETY
    xLB027L         Q27L. EVERYTHING WAS AN EFFORT
    xLB027M         Q27M. WORTHLESS
    xLB027N         Q27N. NERVOUS
HRS 2006-2022:
    xLBCOMP         MODE COMPLETED LEAVE BEHIND QNAIRE
    xLBELIG         2006 LEAVE BEHIND ELIGIBILITY
HRS 2008-2012:
    xLB027G         Q27G. PROUD
    xLB027H         Q27H. INTERESTED
    xLB027O         Q27O. ASHAMED
    xLB027P         Q27P. ATTENTIVE
    xLB027Q         Q27Q. CONTENT
    xLB027R         Q27R. NERVOUS
    xLB027S         Q27S. SAD
    xLB027T         Q27T. INSPIRED
    xLB027U         Q27U. HOPEFUL
    xLB027V         Q27V. ALERT
    xLB027W         Q27W. DISTRESSED
    xLB027X         Q27X. CALM
    xLB027Y         Q27Y. EXCITED
HRS 2014-2022:
    xLB026A         Q26A. AFRAID
    xLB026B         Q26B. UPSET
    xLB026C         Q26C. DETERMINED
    xLB026D         Q26D. ENTHUSIASTIC
    xLB026E         Q26E. GUILTY
    xLB026F         Q26F. ACTIVE
    xLB026G         Q26G. PROUD
    xLB026H         Q26H. INTERESTED
    xLB026I         Q26I. SCARED
    xLB026J         Q26J. FRUSTRATED
    xLB026K         Q26K. HAPPY
    xLB026L         Q26L. BORED
    xLB026M         Q26M. HOSTILE
    xLB026N         Q26N. JITTERY
    xLB026O         Q26O. ASHAMED
    xLB026P         Q26P. ATTENTIVE
    xLB026Q         Q26Q. CONTENT
    xLB026R         Q26R. NERVOUS
    xLB026S         Q26S. SAD
    xLB026T         Q26T. INSPIRED
    xLB026U         Q26U. HOPEFUL
    xLB026V         Q26V. ALERT
    xLB026W         Q26W. DISTRESSED
    xLB026X         Q26X. CALM
    xLB026Y         Q26Y. EXCITED
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Subjective Well-being

Wave	Variable	Label	Type
8	R8LBSATWLF	R8LBSATWLF:W8 Life satisfaction scale	Cont
9	R9LBSATWLF	R9LBSATWLF:W9 Life satisfaction scale	Cont
10	R10LBSATWLF	R10LBSATWLF:W10 Life satisfaction scale	Cont
11	R11LBSATWLF	R11LBSATWLF:W11 Life satisfaction scale	Cont
12	R12LBSATWLF	R12LBSATWLF:W12 Life satisfaction scale	Cont
13	R13LBSATWLF	R13LBSATWLF:W13 Life satisfaction scale	Cont
14	R14LBSATWLF	R14LBSATWLF:W14 Life satisfaction scale	Cont
15	R15LBSATWLF	R15LBSATWLF:W15 Life satisfaction scale	Cont
16	R16LBSATWLF	R16LBSATWLF:W16 Life satisfaction scale	Cont
8	S8LBSATWLF	S8LBSATWLF:W8 Life satisfaction scale	Cont
9	S9LBSATWLF	S9LBSATWLF:W9 Life satisfaction scale	Cont
10	S10LBSATWLF	S10LBSATWLF:W10 Life satisfaction scale	Cont
11	S11LBSATWLF	S11LBSATWLF:W11 Life satisfaction scale	Cont
12	S12LBSATWLF	S12LBSATWLF:W12 Life satisfaction scale	Cont
13	S13LBSATWLF	S13LBSATWLF:W13 Life satisfaction scale	Cont
14	S14LBSATWLF	S14LBSATWLF:W14 Life satisfaction scale	Cont
15	S15LBSATWLF	S15LBSATWLF:W15 Life satisfaction scale	Cont
16	S16LBSATWLF	S16LBSATWLF:W16 Life satisfaction scale	Cont
9	R9LBSATHOME	R9LBSATHOME:W9 Sat w/Condition of home	Categ
10	R10LBSATHOME	R10LBSATHOME:W10 Sat w/Condition of home	Categ
11	R11LBSATHOME	R11LBSATHOME:W11 Sat w/Condition of home	Categ
12	R12LBSATHOME	R12LBSATHOME:W12 Sat w/Condition of home	Categ
13	R13LBSATHOME	R13LBSATHOME:W13 Sat w/Condition of home	Categ
14	R14LBSATHOME	R14LBSATHOME:W14 Sat w/Condition of home	Categ
15	R15LBSATHOME	R15LBSATHOME:W15 Sat w/Condition of home	Categ
16	R16LBSATHOME	R16LBSATHOME:W16 Sat w/Condition of home	Categ
9	S9LBSATHOME	S9LBSATHOME:W9 Sat w/Condition of home	Categ
10	S10LBSATHOME	S10LBSATHOME:W10 Sat w/Condition of home	Categ
11	S11LBSATHOME	S11LBSATHOME:W11 Sat w/Condition of home	Categ
12	S12LBSATHOME	S12LBSATHOME:W12 Sat w/Condition of home	Categ
13	S13LBSATHOME	S13LBSATHOME:W13 Sat w/Condition of home	Categ
14	S14LBSATHOME	S14LBSATHOME:W14 Sat w/Condition of home	Categ
15	S15LBSATHOME	S15LBSATHOME:W15 Sat w/Condition of home	Categ
16	S16LBSATHOME	S16LBSATHOME:W16 Sat w/Condition of home	Categ
9	R9LBSATCITY	R9LBSATCITY:W9 Sat w/City town live	Categ
10	R10LBSATCITY	R10LBSATCITY:W10 Sat w/City town live	Categ
11	R11LBSATCITY	R11LBSATCITY:W11 Sat w/City town live	Categ
12	R12LBSATCITY	R12LBSATCITY:W12 Sat w/City town live	Categ
13	R13LBSATCITY	R13LBSATCITY:W13 Sat w/City town live	Categ
14	R14LBSATCITY	R14LBSATCITY:W14 Sat w/City town live	Categ
15	R15LBSATCITY	R15LBSATCITY:W15 Sat w/City town live	Categ
16	R16LBSATCITY	R16LBSATCITY:W16 Sat w/City town live	Categ
9	S9LBSATCITY	S9LBSATCITY:W9 Sat w/City town live	Categ
10	S10LBSATCITY	S10LBSATCITY:W10 Sat w/City town live	Categ
11	S11LBSATCITY	S11LBSATCITY:W11 Sat w/City town live	Categ
12	S12LBSATCITY	S12LBSATCITY:W12 Sat w/City town live	Categ
13	S13LBSATCITY	S13LBSATCITY:W13 Sat w/City town live	Categ
14	S14LBSATCITY	S14LBSATCITY:W14 Sat w/City town live	Categ
15	S15LBSATCITY	S15LBSATCITY:W15 Sat w/City town live	Categ
16	S16LBSATCITY	S16LBSATCITY:W16 Sat w/City town live	Categ
9	R9LBSATLEISURE	R9LBSATLEISURE:W9 Sat w/Daily leisure acts	Categ
10	R10LBSATLEISURE	R10LBSATLEISURE:W10 Sat w/Daily leisure acts	Categ
11	R11LBSATLEISURE	R11LBSATLEISURE:W11 Sat w/Daily leisure acts	Categ
12	R12LBSATLEISURE	R12LBSATLEISURE:W12 Sat w/Daily leisure acts	Categ
13	R13LBSATLEISURE	R13LBSATLEISURE:W13 Sat w/Daily leisure acts	Categ
14	R14LBSATLEISURE	R14LBSATLEISURE:W14 Sat w/Daily leisure acts	Categ
15	R15LBSATLEISURE	R15LBSATLEISURE:W15 Sat w/Daily leisure acts	Categ
16	R16LBSATLEISURE	R16LBSATLEISURE:W16 Sat w/Daily leisure acts	Categ
9	S9LBSATLEISURE	S9LBSATLEISURE:W9 Sat w/Daily leisure acts	Categ

10	S10LBSATLEISURE	S10LBSATLEISURE:W10 Sat w/Daily leisure acts	Categ
11	S11LBSATLEISURE	S11LBSATLEISURE:W11 Sat w/Daily leisure acts	Categ
12	S12LBSATLEISURE	S12LBSATLEISURE:W12 Sat w/Daily leisure acts	Categ
13	S13LBSATLEISURE	S13LBSATLEISURE:W13 Sat w/Daily leisure acts	Categ
14	S14LBSATLEISURE	S14LBSATLEISURE:W14 Sat w/Daily leisure acts	Categ
15	S15LBSATLEISURE	S15LBSATLEISURE:W15 Sat w/Daily leisure acts	Categ
16	S16LBSATLEISURE	S16LBSATLEISURE:W16 Sat w/Daily leisure acts	Categ
9	R9LBSATFAM	R9LBSATFAM:W9 Sat w/Family life	Categ
10	R10LBSATFAM	R10LBSATFAM:W10 Sat w/Family life	Categ
11	R11LBSATFAM	R11LBSATFAM:W11 Sat w/Family life	Categ
12	R12LBSATFAM	R12LBSATFAM:W12 Sat w/Family life	Categ
13	R13LBSATFAM	R13LBSATFAM:W13 Sat w/Family life	Categ
14	R14LBSATFAM	R14LBSATFAM:W14 Sat w/Family life	Categ
15	R15LBSATFAM	R15LBSATFAM:W15 Sat w/Family life	Categ
16	R16LBSATFAM	R16LBSATFAM:W16 Sat w/Family life	Categ
9	S9LBSATFAM	S9LBSATFAM:W9 Sat w/Family life	Categ
10	S10LBSATFAM	S10LBSATFAM:W10 Sat w/Family life	Categ
11	S11LBSATFAM	S11LBSATFAM:W11 Sat w/Family life	Categ
12	S12LBSATFAM	S12LBSATFAM:W12 Sat w/Family life	Categ
13	S13LBSATFAM	S13LBSATFAM:W13 Sat w/Family life	Categ
14	S14LBSATFAM	S14LBSATFAM:W14 Sat w/Family life	Categ
15	S15LBSATFAM	S15LBSATFAM:W15 Sat w/Family life	Categ
16	S16LBSATFAM	S16LBSATFAM:W16 Sat w/Family life	Categ
8	R8LBSATFIN	R8LBSATFIN:W8 Sat w/Present fin situation	Categ
9	R9LBSATFIN	R9LBSATFIN:W9 Sat w/Present fin situation	Categ
10	R10LBSATFIN	R10LBSATFIN:W10 Sat w/Present fin situation	Categ
11	R11LBSATFIN	R11LBSATFIN:W11 Sat w/Present fin situation	Categ
12	R12LBSATFIN	R12LBSATFIN:W12 Sat w/Present fin situation	Categ
13	R13LBSATFIN	R13LBSATFIN:W13 Sat w/Present fin situation	Categ
14	R14LBSATFIN	R14LBSATFIN:W14 Sat w/Present fin situation	Categ
15	R15LBSATFIN	R15LBSATFIN:W15 Sat w/Present fin situation	Categ
16	R16LBSATFIN	R16LBSATFIN:W16 Sat w/Present fin situation	Categ
8	S8LBSATFIN	S8LBSATFIN:W8 Sat w/Present fin situation	Categ
9	S9LBSATFIN	S9LBSATFIN:W9 Sat w/Present fin situation	Categ
10	S10LBSATFIN	S10LBSATFIN:W10 Sat w/Present fin situation	Categ
11	S11LBSATFIN	S11LBSATFIN:W11 Sat w/Present fin situation	Categ
12	S12LBSATFIN	S12LBSATFIN:W12 Sat w/Present fin situation	Categ
13	S13LBSATFIN	S13LBSATFIN:W13 Sat w/Present fin situation	Categ
14	S14LBSATFIN	S14LBSATFIN:W14 Sat w/Present fin situation	Categ
15	S15LBSATFIN	S15LBSATFIN:W15 Sat w/Present fin situation	Categ
16	S16LBSATFIN	S16LBSATFIN:W16 Sat w/Present fin situation	Categ
10	R10LBSATINC	R10LBSATINC:W10 Sat w/Total household income	Categ
11	R11LBSATINC	R11LBSATINC:W11 Sat w/Total household income	Categ
12	R12LBSATINC	R12LBSATINC:W12 Sat w/Total household income	Categ
13	R13LBSATINC	R13LBSATINC:W13 Sat w/Total household income	Categ
14	R14LBSATINC	R14LBSATINC:W14 Sat w/Total household income	Categ
15	R15LBSATINC	R15LBSATINC:W15 Sat w/Total household income	Categ
16	R16LBSATINC	R16LBSATINC:W16 Sat w/Total household income	Categ
10	S10LBSATINC	S10LBSATINC:W10 Sat w/Total household income	Categ
11	S11LBSATINC	S11LBSATINC:W11 Sat w/Total household income	Categ
12	S12LBSATINC	S12LBSATINC:W12 Sat w/Total household income	Categ
13	S13LBSATINC	S13LBSATINC:W13 Sat w/Total household income	Categ
14	S14LBSATINC	S14LBSATINC:W14 Sat w/Total household income	Categ
15	S15LBSATINC	S15LBSATINC:W15 Sat w/Total household income	Categ
16	S16LBSATINC	S16LBSATINC:W16 Sat w/Total household income	Categ
9	R9LBSATHLTH	R9LBSATHLTH:W9 Sat w/Health	Categ
10	R10LBSATHLTH	R10LBSATHLTH:W10 Sat w/Health	Categ
11	R11LBSATHLTH	R11LBSATHLTH:W11 Sat w/Health	Categ
12	R12LBSATHLTH	R12LBSATHLTH:W12 Sat w/Health	Categ
13	R13LBSATHLTH	R13LBSATHLTH:W13 Sat w/Health	Categ
14	R14LBSATHLTH	R14LBSATHLTH:W14 Sat w/Health	Categ
15	R15LBSATHLTH	R15LBSATHLTH:W15 Sat w/Health	Categ
16	R16LBSATHLTH	R16LBSATHLTH:W16 Sat w/Health	Categ
9	S9LBSATHLTH	S9LBSATHLTH:W9 Sat w/Health	Categ

10	S10LBSATHLTH	S10LBSATHLTH:W10 Sat w/Health	Categ
11	S11LBSATHLTH	S11LBSATHLTH:W11 Sat w/Health	Categ
12	S12LBSATHLTH	S12LBSATHLTH:W12 Sat w/Health	Categ
13	S13LBSATHLTH	S13LBSATHLTH:W13 Sat w/Health	Categ
14	S14LBSATHLTH	S14LBSATHLTH:W14 Sat w/Health	Categ
15	S15LBSATHLTH	S15LBSATHLTH:W15 Sat w/Health	Categ
16	S16LBSATHLTH	S16LBSATHLTH:W16 Sat w/Health	Categ
9	R9LBSATLIFE	R9LBSATLIFE:W9 Sat w/Life as a whole LB	Categ
10	R10LBSATLIFE	R10LBSATLIFE:W10 Sat w/Life as a whole LB	Categ
11	R11LBSATLIFE	R11LBSATLIFE:W11 Sat w/Life as a whole LB	Categ
9	S9LBSATLIFE	S9LBSATLIFE:W9 Sat w/Life as a whole LB	Categ
10	S10LBSATLIFE	S10LBSATLIFE:W10 Sat w/Life as a whole LB	Categ
11	S11LBSATLIFE	S11LBSATLIFE:W11 Sat w/Life as a whole LB	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8LBSATWLF	7594	4.36	1.22	1.0	6.0
R9LBSATWLF	6953	4.92	1.53	1.0	7.0
R10LBSATWLF	8254	4.84	1.57	1.0	7.0
R11LBSATWLF	7252	4.75	1.57	1.0	7.0
R12LBSATWLF	7465	4.97	1.53	1.0	7.0
R13LBSATWLF	6306	4.97	1.51	1.0	7.0
R14LBSATWLF	5674	5.03	1.51	1.0	7.0
R15LBSATWLF	4638	5.02	1.48	1.0	7.0
R16LBSATWLF	4425	5.05	1.49	1.0	7.0
S8LBSATWLF	5124	4.50	1.17	1.0	6.0
S9LBSATWLF	4373	5.11	1.47	1.0	7.0
S10LBSATWLF	5307	5.04	1.50	1.0	7.0
S11LBSATWLF	4572	4.94	1.52	1.0	7.0
S12LBSATWLF	4602	5.15	1.47	1.0	7.0
S13LBSATWLF	3750	5.17	1.45	1.0	7.0
S14LBSATWLF	3365	5.22	1.45	1.0	7.0
S15LBSATWLF	2665	5.25	1.39	1.0	7.0
S16LBSATWLF	2445	5.29	1.42	1.0	7.0
R9LBSATHOME	6956	4.17	0.90	1.0	5.0
R10LBSATHOME	8205	4.10	0.93	1.0	5.0
R11LBSATHOME	7269	4.08	0.95	1.0	5.0
R12LBSATHOME	7395	4.04	0.96	1.0	5.0
R13LBSATHOME	6207	3.85	1.01	1.0	5.0
R14LBSATHOME	5633	3.93	1.00	1.0	5.0
R15LBSATHOME	4589	3.97	0.98	1.0	5.0
R16LBSATHOME	4398	4.00	0.98	1.0	5.0
S9LBSATHOME	4376	4.23	0.85	1.0	5.0
S10LBSATHOME	5271	4.16	0.89	1.0	5.0
S11LBSATHOME	4566	4.13	0.91	1.0	5.0
S12LBSATHOME	4572	4.08	0.92	1.0	5.0
S13LBSATHOME	3701	3.92	0.96	1.0	5.0
S14LBSATHOME	3346	4.00	0.95	1.0	5.0
S15LBSATHOME	2634	4.06	0.92	1.0	5.0
S16LBSATHOME	2437	4.08	0.92	1.0	5.0
R9LBSATCITY	6923	4.16	0.88	1.0	5.0

R10LBSATCITY	8173	4.10	0.90	1.0	5.0
R11LBSATCITY	7252	4.08	0.90	1.0	5.0
R12LBSATCITY	7387	4.03	0.92	1.0	5.0
R13LBSATCITY	6211	3.91	0.96	1.0	5.0
R14LBSATCITY	5622	3.95	0.95	1.0	5.0
R15LBSATCITY	4581	3.99	0.94	1.0	5.0
R16LBSATCITY	4396	4.00	0.93	1.0	5.0
S9LBSATCITY	4352	4.17	0.87	1.0	5.0
S10LBSATCITY	5259	4.12	0.88	1.0	5.0
S11LBSATCITY	4554	4.10	0.88	1.0	5.0
S12LBSATCITY	4569	4.06	0.89	1.0	5.0
S13LBSATCITY	3710	3.92	0.95	1.0	5.0
S14LBSATCITY	3344	3.97	0.92	1.0	5.0
S15LBSATCITY	2629	4.02	0.93	1.0	5.0
S16LBSATCITY	2434	4.02	0.90	1.0	5.0
R9LBSATLEISURE	6904	3.87	0.94	1.0	5.0
R10LBSATLEISUR	8148	3.81	0.95	1.0	5.0
R11LBSATLEISUR	7242	3.79	0.95	1.0	5.0
R12LBSATLEISUR	7361	3.75	0.96	1.0	5.0
R13LBSATLEISUR	6203	3.62	0.95	1.0	5.0
R14LBSATLEISUR	5603	3.69	0.96	1.0	5.0
R15LBSATLEISUR	4573	3.64	0.98	1.0	5.0
R16LBSATLEISUR	4388	3.71	0.96	1.0	5.0
S9LBSATLEISURE	4358	3.94	0.91	1.0	5.0
S10LBSATLEISUR	5248	3.87	0.92	1.0	5.0
S11LBSATLEISUR	4550	3.86	0.92	1.0	5.0
S12LBSATLEISUR	4557	3.81	0.92	1.0	5.0
S13LBSATLEISUR	3704	3.68	0.91	1.0	5.0
S14LBSATLEISUR	3330	3.76	0.93	1.0	5.0
S15LBSATLEISUR	2628	3.71	0.94	1.0	5.0
S16LBSATLEISUR	2431	3.78	0.92	1.0	5.0
R9LBSATFAM	6913	4.06	0.91	1.0	5.0
R10LBSATFAM	8152	4.00	0.94	1.0	5.0
R11LBSATFAM	7225	3.98	0.94	1.0	5.0
R12LBSATFAM	7365	3.95	0.96	1.0	5.0
R13LBSATFAM	6198	3.86	0.96	1.0	5.0
R14LBSATFAM	5599	3.90	0.98	1.0	5.0
R15LBSATFAM	4568	3.91	0.97	1.0	5.0
R16LBSATFAM	4381	3.91	0.98	1.0	5.0
S9LBSATFAM	4370	4.17	0.84	1.0	5.0
S10LBSATFAM	5259	4.12	0.86	1.0	5.0
S11LBSATFAM	4552	4.09	0.88	1.0	5.0
S12LBSATFAM	4562	4.06	0.89	1.0	5.0
S13LBSATFAM	3709	3.98	0.88	1.0	5.0
S14LBSATFAM	3340	4.03	0.91	1.0	5.0
S15LBSATFAM	2620	4.05	0.89	1.0	5.0
S16LBSATFAM	2437	4.07	0.88	1.0	5.0
R8LBSATFIN	7567	3.22	1.08	1.0	5.0
R9LBSATFIN	6932	3.44	1.15	1.0	5.0
R10LBSATFIN	8170	3.28	1.16	1.0	5.0
R11LBSATFIN	7244	3.32	1.15	1.0	5.0
R12LBSATFIN	7365	3.33	1.14	1.0	5.0
R13LBSATFIN	6199	3.23	1.14	1.0	5.0

R14LBSATFIN	5608	3.34	1.14	1.0	5.0
R15LBSATFIN	4586	3.51	1.10	1.0	5.0
R16LBSATFIN	4395	3.46	1.10	1.0	5.0
S8LBSATFIN	5113	3.30	1.04	1.0	5.0
S9LBSATFIN	4372	3.53	1.11	1.0	5.0
S10LBSATFIN	5250	3.38	1.12	1.0	5.0
S11LBSATFIN	4551	3.39	1.11	1.0	5.0
S12LBSATFIN	4563	3.42	1.10	1.0	5.0
S13LBSATFIN	3700	3.34	1.09	1.0	5.0
S14LBSATFIN	3331	3.45	1.11	1.0	5.0
S15LBSATFIN	2635	3.61	1.04	1.0	5.0
S16LBSATFIN	2432	3.61	1.06	1.0	5.0
R10LBSATINC	8132	3.22	1.18	1.0	5.0
R11LBSATINC	7229	3.26	1.17	1.0	5.0
R12LBSATINC	7348	3.25	1.17	1.0	5.0
R13LBSATINC	6200	3.17	1.17	1.0	5.0
R14LBSATINC	5598	3.28	1.19	1.0	5.0
R15LBSATINC	4571	3.44	1.15	1.0	5.0
R16LBSATINC	4392	3.41	1.15	1.0	5.0
S10LBSATINC	5239	3.33	1.14	1.0	5.0
S11LBSATINC	4547	3.35	1.12	1.0	5.0
S12LBSATINC	4564	3.35	1.13	1.0	5.0
S13LBSATINC	3707	3.29	1.12	1.0	5.0
S14LBSATINC	3332	3.42	1.14	1.0	5.0
S15LBSATINC	2630	3.57	1.08	1.0	5.0
S16LBSATINC	2434	3.57	1.09	1.0	5.0
R9LBSATHLTH	6934	3.36	1.06	1.0	5.0
R10LBSATHLTH	8192	3.31	1.07	1.0	5.0
R11LBSATHLTH	7255	3.28	1.06	1.0	5.0
R12LBSATHLTH	7392	3.26	1.04	1.0	5.0
R13LBSATHLTH	6217	3.24	1.03	1.0	5.0
R14LBSATHLTH	5627	3.26	1.04	1.0	5.0
R15LBSATHLTH	4595	3.30	1.02	1.0	5.0
R16LBSATHLTH	4404	3.30	1.00	1.0	5.0
S9LBSATHLTH	4366	3.43	1.03	1.0	5.0
S10LBSATHLTH	5265	3.37	1.04	1.0	5.0
S11LBSATHLTH	4557	3.36	1.03	1.0	5.0
S12LBSATHLTH	4573	3.31	1.02	1.0	5.0
S13LBSATHLTH	3711	3.30	0.99	1.0	5.0
S14LBSATHLTH	3344	3.32	1.02	1.0	5.0
S15LBSATHLTH	2638	3.34	0.99	1.0	5.0
S16LBSATHLTH	2440	3.38	0.96	1.0	5.0
R9LBSATLIFE	6925	3.73	0.95	1.0	5.0
R10LBSATLIFE	8183	3.66	0.97	1.0	5.0
R11LBSATLIFE	7249	3.62	0.97	1.0	5.0
S9LBSATLIFE	4360	3.82	0.91	1.0	5.0
S10LBSATLIFE	5258	3.75	0.92	1.0	5.0
S11LBSATLIFE	4547	3.72	0.92	1.0	5.0

Categorical Variable Codes

RwLBSATHOME: Sat w/Condition of home

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB									8910	10799
.M=Other missing									117	127
.N=Did not return LB									1234	2903
1. Not at all satisfied									72	106
2. Not very satisfied									242	370
3. Somewhat satisfied									1164	1475
4. Very satisfied									2405	2914
5. Completely satisfied									3073	3340

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	10474	9193	10660	8338	8279	7048
.M=Other missing	143	146	163	106	99	67
.N=Did not return LB	2668	2013	3882	3069	2756	4274
1. Not at all satisfied	112	134	166	125	80	93
2. Not very satisfied	312	344	419	338	268	234
3. Somewhat satisfied	1393	1444	1439	1235	969	863
4. Very satisfied	2552	2658	2315	2041	1650	1603
5. Completely satisfied	2900	2815	1868	1894	1622	1605

SwLBSATHOME: Sat w/Condition of home

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB									5601	6573
.M=Other missing									55	66
.N=Did not return LB									614	1603
.U=Unmarried									6206	7797
.V=Spouse NR									365	724
1. Not at all satisfied									35	54
2. Not very satisfied									122	186
3. Somewhat satisfied									628	865
4. Very satisfied									1589	1909
5. Completely satisfied									2002	2257

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	6439	5333	6041	4485	4576	3434
.M=Other missing	72	63	79	52	48	34
.N=Did not return LB	1407	1044	1958	1475	1219	1935
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1. Not at all satisfied	57	60	71	52	34	28
2. Not very satisfied	167	196	220	170	113	114
3. Somewhat satisfied	779	825	794	691	495	418
4. Very satisfied	1690	1708	1461	1255	1003	946
5. Completely satisfied	1873	1783	1155	1178	989	931

RwLBSATCITY: Sat w/City town live

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB									8910	10799
.M=Other missing									150	159
.N=Did not return LB									1234	2903

1. Not at all satisfied									68	81
2. Not very satisfied									218	326
3. Somewhat satisfied									1191	1497
4. Very satisfied									2533	3094
5. Completely satisfied									2913	3175

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	10474	9193	10660	8338	8279	7048
.M=Other missing	160	154	159	117	107	69
.N=Did not return LB	2668	2013	3882	3069	2756	4274
1. Not at all satisfied	68	82	115	96	70	63
2. Not very satisfied	278	343	363	293	221	220
3. Somewhat satisfied	1414	1489	1412	1219	957	883
4. Very satisfied	2758	2826	2426	2182	1762	1734
5. Completely satisfied	2734	2647	1895	1832	1571	1496

SwLBSATCITY: Sat w/City town live

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB									5601	6573
.M=Other missing									79	78
.N=Did not return LB									614	1603
.U=Unmarried									6206	7797
.V=Spouse NR									365	724
1. Not at all satisfied									39	43
2. Not very satisfied									123	192
3. Somewhat satisfied									718	922
4. Very satisfied									1645	2033
5. Completely satisfied									1827	2069

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	6439	5333	6041	4485	4576	3434
.M=Other missing	84	66	70	54	53	37
.N=Did not return LB	1407	1044	1958	1475	1219	1935
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1. Not at all satisfied	41	34	61	41	42	22
2. Not very satisfied	149	198	214	174	109	127
3. Somewhat satisfied	838	889	807	708	523	443
4. Very satisfied	1790	1796	1501	1335	1032	1029
5. Completely satisfied	1736	1652	1127	1086	923	813

RwLBSATLEISURE: Sat w/Daily leisure acts

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB									8910	10799
.M=Other missing									169	184
.N=Did not return LB									1234	2903
1. Not at all satisfied									84	98
2. Not very satisfied									413	561
3. Somewhat satisfied									1818	2325
4. Very satisfied									2575	2979
5. Completely satisfied									2014	2185

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	10474	9193	10660	8338	8279	7048
.M=Other missing	170	180	167	136	115	77
.N=Did not return LB	2668	2013	3882	3069	2756	4274

1. Not at all satisfied	135	116	114	100	100	68
2. Not very satisfied	417	537	551	448	408	364
3. Somewhat satisfied	2128	2174	2091	1771	1518	1343
4. Very satisfied	2680	2742	2265	2045	1577	1629
5. Completely satisfied	1882	1792	1182	1239	970	984

SwLBSATLEISURE: Sat w/Daily leisure acts

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB									5601	6573
.M=Other missing									73	89
.N=Did not return LB									614	1603
.U=Unmarried									6206	7797
.V=Spouse NR									365	724
1. Not at all satisfied									42	46
2. Not very satisfied									222	318
3. Somewhat satisfied									1048	1384
4. Very satisfied									1711	2014
5. Completely satisfied									1335	1486

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	6439	5333	6041	4485	4576	3434
.M=Other missing	88	78	76	68	54	40
.N=Did not return LB	1407	1044	1958	1475	1219	1935
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1. Not at all satisfied	64	55	48	40	42	22
2. Not very satisfied	223	282	271	245	187	174
3. Somewhat satisfied	1242	1272	1201	971	836	692
4. Very satisfied	1772	1798	1464	1287	979	972
5. Completely satisfied	1249	1150	720	787	584	571

RwLBSATFAM: Sat w/Family life

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB									8910	10799
.M=Other missing									160	180
.N=Did not return LB									1234	2903
1. Not at all satisfied									76	100
2. Not very satisfied									288	431
3. Somewhat satisfied									1353	1668
4. Very satisfied									2605	3110
5. Completely satisfied									2591	2843

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	10474	9193	10662	8338	8279	7048
.M=Other missing	187	176	170	140	120	84
.N=Did not return LB	2668	2013	3882	3069	2756	4274
1. Not at all satisfied	106	122	117	101	76	87
2. Not very satisfied	354	410	403	379	280	277
3. Somewhat satisfied	1568	1627	1452	1279	1067	954
4. Very satisfied	2736	2793	2473	2076	1694	1672
5. Completely satisfied	2461	2413	1753	1764	1451	1391

SwLBSATFAM: Sat w/Family life

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB									5601	6573
.M=Other missing									61	78
.N=Did not return LB									614	1603
.U=Unmarried									6206	7797
.V=Spouse NR									365	724
1. Not at all satisfied									25	31
2. Not very satisfied									119	197
3. Somewhat satisfied									728	901
4. Very satisfied									1698	2092
5. Completely satisfied									1800	2038

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	6439	5333	6041	4485	4576	3434
.M=Other missing	86	73	71	58	62	34
.N=Did not return LB	1407	1044	1958	1475	1219	1935
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1. Not at all satisfied	40	49	33	32	19	19
2. Not very satisfied	165	165	155	156	111	104
3. Somewhat satisfied	844	873	802	660	513	446
4. Very satisfied	1802	1836	1590	1326	1042	998
5. Completely satisfied	1701	1639	1129	1166	935	870

RwLBSATFIN: Sat w/Present fin situation

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB								9765	8910	10800
.M=Other missing								162	141	161
.N=Did not return LB								975	1234	2903
1. Not at all satisfied								637	447	672
2. Not very satisfied								1001	892	1275
3. Somewhat satisfied								2870	2275	2740
4. Very satisfied								2182	1834	2069
5. Completely satisfied								877	1484	1414

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	10474	9193	10660	8338	8279	7048
.M=Other missing	168	176	171	131	102	70
.N=Did not return LB	2668	2013	3882	3069	2756	4274
1. Not at all satisfied	535	511	515	407	240	247
2. Not very satisfied	1086	1151	996	828	526	529
3. Somewhat satisfied	2473	2428	2161	1829	1431	1413
4. Very satisfied	1857	1979	1596	1547	1433	1352
5. Completely satisfied	1293	1296	931	997	956	854

SwLBSATFIN: Sat w/Present fin situation

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB								6018	5601	6573
.M=Other missing								78	59	87
.N=Did not return LB								526	614	1603
.U=Unmarried								6417	6206	7797
.V=Spouse NR								317	365	724
1. Not at all satisfied								332	203	337
2. Not very satisfied								599	521	730
3. Somewhat satisfied								1973	1407	1766
4. Very satisfied								1599	1241	1457
5. Completely satisfied								610	1000	960

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	6439	5333	6041	4485	4576	3434
.M=Other missing	87	72	80	67	47	39
.N=Did not return LB	1407	1044	1958	1475	1219	1935
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1. Not at all satisfied	262	238	228	186	101	87
2. Not very satisfied	630	643	536	426	237	261
3. Somewhat satisfied	1556	1492	1280	1059	818	709
4. Very satisfied	1267	1348	1078	1018	900	833
5. Completely satisfied	836	842	578	642	579	542

RwLBSATINC: Sat w/Total household income

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB										10800
.M=Other missing										199
.N=Did not return LB										2903
1. Not at all satisfied										751
2. Not very satisfied										1353
3. Somewhat satisfied										2722
4. Very satisfied										1940
5. Completely satisfied										1366

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	10474	9193	10660	8338	8279	7048
.M=Other missing	183	193	170	141	117	73
.N=Did not return LB	2668	2013	3882	3069	2756	4274
1. Not at all satisfied	605	642	594	490	302	321
2. Not very satisfied	1184	1211	1105	900	584	570
3. Somewhat satisfied	2414	2397	2070	1738	1441	1352
4. Very satisfied	1803	1865	1516	1477	1300	1300
5. Completely satisfied	1223	1233	915	993	944	849

SwLBSATINC: Sat w/Total household income

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB										6573
.M=Other missing										98
.N=Did not return LB										1603
.U=Unmarried										7797
.V=Spouse NR										724
1. Not at all satisfied										375
2. Not very satisfied										776
3. Somewhat satisfied										1767
4. Very satisfied										1380
5. Completely satisfied										941

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	6439	5333	6041	4485	4576	3434
.M=Other missing	91	71	73	66	52	37
.N=Did not return LB	1407	1044	1958	1475	1219	1935
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1. Not at all satisfied	290	303	252	213	119	113
2. Not very satisfied	679	680	613	456	271	277
3. Somewhat satisfied	1548	1488	1232	1029	823	694
4. Very satisfied	1230	1282	1035	979	825	807
5. Completely satisfied	800	811	575	655	592	543

RwLBSATHLTH: Sat w/Health

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB									8910	10799
.M=Other missing									139	140
.N=Did not return LB									1234	2903
1. Not at all satisfied									393	500
2. Not very satisfied									912	1167
3. Somewhat satisfied									2469	2943
4. Very satisfied									2135	2464
5. Completely satisfied									1025	1118

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	10474	9193	10660	8338	8279	7048
.M=Other missing	157	149	153	112	93	61
.N=Did not return LB	2668	2013	3882	3069	2756	4274
1. Not at all satisfied	465	458	389	361	253	218
2. Not very satisfied	1077	1085	919	805	643	585
3. Somewhat satisfied	2570	2763	2346	2093	1702	1743
4. Very satisfied	2250	2253	1930	1737	1486	1368
5. Completely satisfied	893	833	633	631	511	490

SwLBSATHLTH: Sat w/Health

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB									5601	6573
.M=Other missing									65	72
.N=Did not return LB									614	1603
.U=Unmarried									6206	7797
.V=Spouse NR									365	724
1. Not at all satisfied									204	279
2. Not very satisfied									520	653
3. Somewhat satisfied									1510	1899
4. Very satisfied									1466	1695
5. Completely satisfied									666	739

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	6439	5333	6041	4485	4576	3434
.M=Other missing	81	62	69	54	44	31
.N=Did not return LB	1407	1044	1958	1475	1219	1935
.U=Unmarried	7473	7125	8024	6678	6193	6541
.V=Spouse NR	597	610	1109	1110	1053	1406
1. Not at all satisfied	225	248	178	181	125	86
2. Not very satisfied	626	611	521	451	334	300
3. Somewhat satisfied	1575	1710	1388	1223	967	947
4. Very satisfied	1541	1477	1255	1105	930	820
5. Completely satisfied	590	527	369	384	282	287

RwLBSATLIFE: Sat w/Life as a whole LB

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB									8910	10799
.M=Other missing									148	149
.N=Did not return LB									1234	2903
1. Not at all satisfied									135	216
2. Not very satisfied									468	623
3. Somewhat satisfied									2061	2542
4. Very satisfied									2711	3167
5. Completely satisfied									1550	1635

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	10474					
.M=Other missing	163					
.N=Did not return LB	2668					
1. Not at all satisfied	228					
2. Not very satisfied	518					
3. Somewhat satisfied	2346					
4. Very satisfied	2815					
5. Completely satisfied	1342					

SwLBSATLIFE: Sat w/Life as a whole LB

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Ineligible for LB									5601	6573
.M=Other missing									71	79
.N=Did not return LB									614	1603
.U=Unmarried									6206	7797
.V=Spouse NR									365	724
1. Not at all satisfied									61	105
2. Not very satisfied									235	306
3. Somewhat satisfied									1183	1510
4. Very satisfied									1828	2198
5. Completely satisfied									1053	1139

Value	w11	w12	w13	w14	w15	w16
.A=Ineligible for LB	6439					
.M=Other missing	91					
.N=Did not return LB	1407					
.U=Unmarried	7473					
.V=Spouse NR	597					
1. Not at all satisfied	101					
2. Not very satisfied	255					
3. Somewhat satisfied	1375					
4. Very satisfied	1907					
5. Completely satisfied	909					

General Comments

Construction of the scales based on information elicited in the Leave-Behind Survey following the instructions in the HRS 2006-2022 HRS Psychosocial and Lifestyle Questionnaire User Guide unless otherwise noted. Harmonization and processing occur for all Leave-Behind Measures. If more than half of HRS Leave-Behind components in a scale are missing, the scale is set to ".P" missing due to partial scale inputs. If a Respondent did not return the questionnaire, scales and measure are set to ".N" to indicate not returned. The range for the RwLBSATWLF scale changes beginning in Wave 9 (2008) from 1-6 to 1-7. It is recommended that users carefully consider making adjustments to Wave 8 (2006) or to their analytic methods to account for this change when using data from multiple waves.

How Constructed

RwLBSATWLF is a scale indicator used to assess the Respondent's self-assessed quality of life. It is based on items drawn from Diener's measure of Satisfaction with Life. In Wave 8 (2006) responses indicate agreement with an item is using one of six categories, "1=Strongly Disagree," "2=Somewhat Disagree," "3=Slightly disagree," "4=Slightly agree," "5=Somewhat agree," or "6=Strongly agree." Items are scored 1-6 and then averaged to create the scale. Beginning in Wave 9 (2008) an additional category "4=Neither agree nor disagree" was added as a midpoint for the response scale and all items were scored 1-7 and then averaged.

RwLBSATHOME, RwLBSATCITY, RwLBSATLEISURE, RwLBSATFAM, RwLBSATFIN, RwLBSATINC, RwLBSATHLTH, and RwLBSATLIFE measure individual's subjective evaluations of well-being in important domains of life. Responses indicate domain specific satisfaction using one of five categories, "1=Completely satisfied," "2=Very satisfied," "3=Some what satisfied," "4=Not very satisfied," or "5=Not at all satisfied." Responses are reverse coded 1-5 so that higher scores correspond to greater satisfaction. R8LBSATFIN is an exception and has reversed response items from "1=Not at all satisfied" to "5=Completely satisfied" only in Wave 8 (2006) is therefore not inverted to be harmonized consistently.

RwLBSATWLF averages the following items: "In most ways my life is close to ideal," "The conditions of my life are excellent," "I

am satisfied with my life," "So far, I have gotten the important things I want in life," and "If I could live my life again, I would change almost nothing," Thus, the higher the score, the higher the Respondent's self-assessed quality of life based on the components asked as part of the Leave-Behind Survey. If more than two items are missing the scale is also set to missing.

RwLBSATHOME, RwLBSATCITY, RwLBSATLEISURE, RwLBSATFAM, RwLBSATFIN, RwLBSATINC, RwLBSATHLTH, and RwLBSATLIFE measure how satisfied the Respondent is with certain domains of life. RwLBSATHOME inverts satisfaction with "The condition of the place where you live (house or apartment)," RwLBSATCITY inverts satisfaction with "The city or town you live in," RwLBSATLEISURE inverts satisfaction with "Your daily life and leisure activities," RwLBSATFAM inverts satisfaction with "Your family life," RwLBSATINC inverts satisfaction with "The total income of your household," RwLBSATHLTH inverts satisfaction with "Your health," and RwLBSATLIFE inverts satisfaction with "Your life as a whole these days." RwLBSATFIN inverts satisfaction with "Your present financial situation" except in Wave 8 (2006) where the response scale already corresponds to higher levels of satisfaction. Thus, the higher the score, the higher the Respondent's satisfaction in a given life domain based on the questions included in the Leave-Behind Survey.

SwLBSATWLF, SwLBSATHOME, SwLBSATCITY, SwLBSATLEISURE, SwLBSATFAM, SwLBSATFIN, SwLBSATINC, SwLBSATHLTH,and SwLBSATLIFE provide analogous spouse variables.

Cross Wave Differences in Original HRS Data

Life satisfaction, a component of subjective well-being, is provided starting in Wave 8 (2006). While some subjective well-being measures were asked in Wave 7 (2004), the pilot administration of the survey, responses differ significantly during this wave, so we do not produce measures for Wave 7.

RwLBSATFIN is also provided beginning in Wave 8 (2006). While it shares the same response scale as later waves, the LB survey presents the response options in the opposite order of other waves. The harmonized variable adjusts for this difference so that greater satisfaction is always scored higher.

Beginning in Wave 9 (2008), the HRS changed the response scale for input variables of RwLBSATWLF from a six-point to a seven-point scale. This change is important to note when comparing Wave 8 (2006) to subsequent waves. Researchers may consider rescaling R8LBSATWLF for better comparisons or adapting their analytic approach in other ways to adjust for this difference.

Beginning in Wave 10 (2010), HRS added a life domain question about satisfaction with income which is provided as RwLBSATINC.

In Wave 12 (2014), HRS stopped asking Respondents to rate their life as a whole as part of the Leave-Behind Survey and included this question in the core survey where it is asked of all Respondents. See xB000 in the HRS core survey.

By design the Leave-Behind Survey is administered to select Respondents once every four years or every other wave. As a result, Respondents are only eligible to complete the survey in alternating waves. Respondents who did not respond because they are ineligible to participate in a wave are marked ".A=Ineligible for LB" to indicate they are assigned to the alternative cohort.

In Wave 16 (2022), new cohort Respondents (HACOHORT=8) may have misidentified eligibility. The use of ".A=Ineligible for LB" is restricted for psychosocial variables that have a returned survey in Wave 16. In cases where a survey has been returned and variables and scales have been skipped by the Respondent, the scale or variable is set to ".M=Other Missing."

HRS Variables Used

```
HRS 2006-2012:
    xLB003A         Q03A. LIFE IS CLOSE TO IDEAL
    xLB003B         Q03B. CONDITIONS OF LIFE ARE EXCELLENT
    xLB003C         Q03C. SATISFIED WITH LIFE
    xLB003D         Q03D. HAVE IMPORTANT THINGS IN LIFE
    xLB003E         Q03E. CHANGE NOTHING IF LIVED LIFE OVER
HRS 2006-2022:
```

```
    xLBCOMP         MODE COMPLETED LEAVE BEHIND QNAIRE
    xLBELIG         2006 LEAVE BEHIND ELIGIBILITY
HRS 2008-2012:
    xLB039A         Q39A.  CONDITION OF HOME
    xLB039B         Q39B.  CITY TOWN LIVE
    xLB039C         Q39C. DAILY LEISURE ACTS
    xLB039D         Q39D. FAMILY LIFE
    xLB039E         Q39E. PRESENT FIN SITUATION
    xLB039F         Q39F. HEALTH
    xLB039G         Q39G. LIFE AS A WHOLE
HRS 2010-2012:
    xLB039H         Q39G_2. LIFE AS A WHOLE
HRS 2014-2018:
    xLB034A         Q34A. CONDITION OF HOME
    xLB034B         Q34B. CITY TOWN LIVE
    xLB034C         Q34C. DAILY LEISURE ACTS
    xLB034D         Q34D. FAMILY LIFE
    xLB034E         Q34E. PRESENT FIN SITUATION
    xLB034F         Q34F. TOTAL HOUSEHOLD INCOME
    xLB034G         Q34G. HEALTH
HRS 2014-2022:
    xLB002A         Q02A. LIFE IS CLOSE TO IDEAL
    xLB002B         Q02B. CONDITIONS OF LIFE ARE EXCELLENT
    xLB002C         Q02C. SATISFIED WITH LIFE
    xLB002D         Q02D. HAVE IMPORTANT THINGS IN LIFE
    xLB002E         Q02E. CHANGE NOTHING IF LIVED LIFE OVER
HRS 2020-2022:
    xLB034_1        Q34A. CONDITION OF HOME
    xLB034_2        Q34B. CITY TOWN LIVE
    xLB034_3        Q34C. DAILY LEISURE ACTS
    xLB034_4        Q34D. FAMILY LIFE
    xLB034_5        Q34E. PRESENT FIN SITUATION
    xLB034_6        Q34F. TOTAL HOUSEHOLD INCOME
    xLB034_7        Q34G. HEALTH
```

Appendix A

Section A: Demographics

ID Adjustments

In 2022, there were significant revisions to the IDs included in the final release of the HRS 2022 Core data. 69 Respondents in the early release of the RAND HRS Longitudinal File 2022 (V1) were dropped after they were determined by HRS to not be eligible for either the Early Generation X cohort or the minority oversample collection. 8 HHIDPNS were adjusted to better clarify their household arrangement. Five respondents were determined to not have a participating partner and had changes to their PN:
HHIDPN=552891020 changed to 552891010
HHIDPN=554875020 changed to 554875010
HHIDPN=555445020 changed to 555445010
HHIDPN=559295020 changed to 559295010
HHIDPN=554415010 changed to 554415020

Three cases had incorrectly identified households IDs and were changed to correctly restore them to their original HHID:
HHIDPN=551797010 changed to 550385020
HHIDPN=556833010 changed to 556222020
HHIDPN=553512010 changed to 555731020

In 2020, one Respondent married another HRS Respondent. HHIDPN=541986010, who entered the survey in 2016, married HHIDPN=541110010. We changed HHIDPN=541986010 to be HHIDPN=541110020 and set RAOHRSID=541986010, RAOVRLAP=3 and RAOVRAYR=2016. We set the sub-household ID for HHIDPN=541110020 to 1 until they marry in 2020, at which point we set it to 0, to match their spouse. This ensures they are recorded as a separate household until they marry in 2020. For example, for HHIDPN=541110020, H13HHID=5411101, H14HHID=5411101, and H15HHID= 5411100.

In 2018, two Respondents married another HRS Respondent. HHIDPN=906126010, who entered the survey in 2010, married HHIDPN=906543010. We changed HHIDPN=906126010 to be HHIDPN=906543020 and set RAOHRSID=906126010, RAOVRLAP=3 and RAOVRAYR=2010. HHIDPN=544849010, who entered the survey in 2016, married HHIDPN=540162010. We changed HHIDPN= 544849010 to be HHIDPN=540162020 and set RAOHRSID=544849010, RAOVRLAP=3 and RAOVRAYR=2016. For both cases we set the sub-household ID to 1 until they marry in 2018, at which point we set it to 0, to match their spouse. This ensures they are recorded as a separate household until they marry in 2018. For example, for HHIDPN=540162020, H13HHID=5401621 and H14HHID= 5401620.

In 2012, based on information from HRS, HHID=202173 in all household level modules should be HHID=202073 and NPN_FIN=010. HHIDPN=202147020 was dropped and the following ID changes were made:
HHIDPN=59855021 changed to 59855010
HHIDPN=95650041 changed to 95650010
HHIDPN=502432021 changed to 502432010
HHIDPN=520845011 changed to 520845020

In 2010, based on information from HRS, HHIDPN= 526934010 changed to 525520020 and HHIDPN= 529766010 changed to 520845020. The following cases were dropped: HHIDPN=920337010, 920337020, 902054010 and 532056010.

One case is married to an HRS-AHEAD overlap case in Wave 1 but not identified as an overlap on the Tracker file. We flag them as an HRS-AHEAD overlap case (RAOVRLAP = 1) with RAOHRSID = 20582020 and HHIDPN = 204940020. The only wave to which this case responds is Wave 1. Otherwise, all HRS-AHEAD overlap cases are identified by their AHEAD HHIDPNs on the RAND HRS Longitudinal File.

The AHEAD-AHEAD overlap cases are 205906010 who becomes 205864011 in 1998, and 205399010 who becomes 208545010 in 2000. On the RAND HRS Longitudinal File these cases are identified as 205864011 and 208545010, with RAOVRAYR set to 1995 and 1998, respectively. RAOAHDID holds their original 1993 HHIDPNs.

In 2004, two households were identified and selected to be in the HRS survey. Both these households were 2-person households containing a married couple. However, there is a lag between when a household is identified and when they actually start to answer survey questions. So, it was 2010 before they actually responded to any HRS survey questions. By 2010, these households had split and so, in the 2010 Core data we had the following IDs HHIDPN=526934010 split from HHIDPN=525520010 and HHIDPN=529766010 split from HHIDPN=520845010.

By 2012, these couples had reunited and so in the 2012 Tracker file, their IDs change from
HHIDPN=526934010 to HHIDPN=525520020
HHIDPN=529766010 to HHIDPN=520845020

In the RAND HRS data products, these cases are referenced by their 2012 IDs. The IDs they had in the 2010 Core data can be found in RAOHRSID.

Based on data alerts from HRS, we have made several changes to cases in 2000 and 2002. In 2002, HHIDPNs 22965040 and 22965041 are deleted. This was the only wave where 22965041 responded so this case has been deleted from the RAND HRS Longitudinal File. In the other case, 22965040 responds to other waves so is still included in the RAND HRS Longitudinal File but has INW6=0. In 2000, HHIDPN 211430021 is deleted and 211430020 is set to not partnered. Also in 2000, HHIDPN 75573041 is changed to 75573010 as is S5HHIDPN for 75573040, and HHIDPN 56354031 has been dropped because it was found to be a duplicate of 56354020.

In Wave 3H, there are a few households that appear to be reunited based on answers to questions in the CoverSheet section. They are reunited in Wave 4, but have different sub-household IDs in Wave 3. We reunite them in Wave 3. These households are: 17520 (PNs 010 and 040), 22999 (PNs 010 and 020), 40609 (PNs 010 and 020), 40441 (PNs 010 and 020), 50945 (PNs 010 and 040). These cases will have different sub-household IDs in H3HHID from the ESUBHH found in the Tracker and core 1996 files. The spouse PNs will also differ.

In 1994, one household, 15730 is split in the core data, but together in Tracker file. In this household, 15730.020 was interviewed, then died before the widow (15730.030) was interviewed. We treat these two cases as being in separate households, as they are in the core data.

In some other households, the Tracker file shows a non-responding spouse, but the core data indicates that the couple being split. We treat these couples as split. In most households, this involves a change for the non-responding spouse so that the sub-household ID on this file differs from that on the Tracker file but still matches that on the core data. For two households, 10646 and 65564, FSUBHH in H4HHID also differs from that on the core 1998 data for the responding ex-spouse. For these two households, and for 23476 and 84287, the spouse PN also differs from that in the Tracker, but the FPN_SP for these cases is blank in the 1998 core data.

In some cases the Tracker file assigns a spouse PN for a deceased spouse. In other cases the spouse PN is missing on the Tracker file but available in the core data. We set spouse PN to missing if it refers to a deceased spouse, and we fill missing spouse PNs from core data if they are missing on the Tracker file.

Section B: Employment History

Some adjustments are made to specific cases that seemed to have unreasonable wage data. They are listed below.

/* One case in Wave 1 apparently reports an annual income as a biweekly rate */

```
if hhidpn=72106010 then V2736=6 ;
```

/* One case in W2H reports making 9994 hourly in w2 this looks like a missing value, doesn't fit with income, other waves, Make it missing */

```
if HHIDPN=64609040 and W3637=9994 then W3637=99994 ;
```

/* One case in Wave 2H apparently reports their annual income as an hourly rate */

```
if hhidpn=76493010 then do ;
   w3631=1 ;      /* make howpd salaried */
   w3632=w3637 ;  /* set to hourly rate reported */
   w3633=6 ;      /* set period to yearly */
end ;
```

/* Two cases in Wave 2H apparently reports their annual income as an hourly rate */

```
if hhidpn=13631020 and W3633=2 then W3633=6;
if hhidpn=49393010 and W3633=2 then W3633=6;
```

/* Two case in Wave 3H apparently reported their annual income in the hourly variable. */

```
if hhidpn=61179011 then e3140=6 ;
if hhidpn=65169010 then do ;
   e2772=1 ;      /* make howpd salaried */
   e2774=e2781 ;  /* set to hourly rate reported */
   e2775=6 ;      /* set period to yearly */
end ;
```

/* One case in Wave 3H reports monthly rate that, when compared to amount earned LCY, seems to be 100x the actual */

```
if hhidpn=18048010 then E2774=E2774/100 ;
```

/* One case in Wave 3A has an unusual and high hourly rate. No earnings information is available; We set wages to missing */

```
if HHIDPN=203514010 then D2870=. ;
```

/* One case in Wave 7 apparently reports their annual income as monthly */

```
if hhidpn=200661020 and KJ192=4 then KJ192=6;
```

/* Two case in Wave 7 has a typo in their hourly rate. Forgot the decimal place for dollars and cents */

```
if hhidpn=51554030 and KJ216=1300 then KJ216=13;
if hhidpn=502205010 and KJ206=539292 then KJ206=53929.2;
```

/* Two cases in Wave 7 apparently reported their annual income in the hourly variable. */

```
if hhidpn in (123505010 124383010) then JJ216 = JJ216/JJ172/JJ179 ;
```

/* Four cases in Wave 7 reported seemingly annual income in JJ206 */

```
if hhidpn in (45438010 137183010 179842020 501770020) then JJ210=6 ;
```

/* One case in Wave 7 reports receiving $100,000 a week from SE */

```
if hhidpn=501311020 then do;
jj188=.m ;
jj192=.m ;
end;
```

/* One case in Wave 7 reports receiving 36 million in overtime per month */

```
if hhidpn = 501770020 then do ;
jj225 = .m ;
jj226 = .m ;
end;
```

/* One case in Wave 8 apparently reports their annual income as bi-monthly */

```
if hhidpn=12967010 and KJ210=5 then KJ210=6;
```

/* One case in Wave 9 apparently reports their annual income as monthly */

```
if hhidpn=501707020 and LJ210=4 then LJ210=6;
```

/* One case in Wave 10 apparently reports their annual income as hourly */

```
if hhidpn=903516010 and MJ216=55000 then MJ216=26.45;
```

Section C: Medicare Part B and Part D Premiums

To determine both whether, and for how many months, Part B and/or Part D premiums were deducted from Social Security income in the last calendar year (LCY), we developed several rules that incorporate information from the RAND HRS Fat Files, the RAND HRS Detailed Imputations File, and the RAND HRS Longitudinal File. Central to these rules is when people become eligible for Medicare, which is generally 65 years of age. However, people can become eligible sooner, as is the case for those who have been receiving SSDI for more than 24 months. To address this requirement, we assume that anyone who received SSDI for all 12 months in the last calendar year (and meets the other criteria described below) had Part B and/or Part D premiums deducted from their Social Security income. Otherwise, we assume these premiums were deducted only in those months when the individual was 65 years of age (or more) in the last calendar year. The rules are as follows:

1). First, flag Respondents who meet the minimum criteria for whether Part B and/or Part D premiums should be added back to reported Social Security income:

a). Part B:

- Covered by Medicare Part B (xN004[47] = 1 (Yes)), **and**
- No Medicaid coverage in the last two years/since previous interview (xN005[48] = 5 (No)), **and**
- Received Social Security Retirement income ([R/S]wIOSS = 1 (Yes)) for at least one month in LCY ([R/S]wNSS[49] > 0), **or**
- Received Social Security Disability income ([R/S]wIOSDI = 1 (Yes)) for at least one month in LCY ([R/S]wNSDI[50] > 0), **or** (in Waves 1 and 2A)
- Received Social Security "Joint" Check (HwIOSSJ = 1 (Yes)) for at least one month in LCY (HwNSSJ)[51] > 0)

b). Part D:

- Medicare Part D premium deducted from Social Security check (xN423 (Waves 9 and 10) = 1 (Yes)), **and**
- No Medicaid coverage in the last two years/since previous interview (xN005 (Waves 9 and 10) = 5 (No)), **and**
- Received Social Security Retirement income ([R/S]wIOSS = 1 (Yes)) for at least one month in LCY ([R/S]wNSS > 0), **or**
- Received Social Security Disability income ([R/S]wIOSDI = 1 (Yes)) for at least one month in LCY ([R/S]wNSDI > 0)

2). For Respondents who do not meet the above minimum criteria, do not add Part B and/or Part D premiums back to reported Social Security income.

3). For Respondents who do meet the above minimum criteria, perform some additional checks:

a). Part B and Part D (same criteria):

- IF received Social Security Retirement income LCY ([R/S]wIOSS = 1 (Yes)):

  ⇒ IF not 65 years of age in LCY, do not add premiums back to reported Social Security income
  ⇒ ELSE IF 65 years of age (or more) in LCY, do add premiums back to reported Social Security income

- ELSE IF (in Waves 1 and 2A) received Social Security "Joint" Check LCY (HwIOSSJ = 1 (Yes)):

  ⇒ IF not 65 years of age in LCY, do not add premiums back to reported Social Security income

[47] In Waves 1 and 2H, there is one lead in question (V6602 / W6700) that asks whether the Respondent is currently covered by any federal insurance programs. If they are, they check all programs that apply. In Wave 1, V6603 is for Medicare (1 = Yes), and in Wave 2H, answers are recorded in W6701, W6702, W6703, and W6704, so one must look across all items to see if this option was chosen (1 = Medicare). In neither wave, however, is the type of Medicare specified. For simplicity, we assume that Respondents who report having Medicare are enrolled in Medicare Part B.

[48] In Waves 1 and 2H, the sequence of questions summarized in the previous footnote also allows Respondents to indicate whether they are currently covered by Medicaid. In Wave 1, V6604 is for Medicaid (1 = Yes), and in Wave 2H, one must look across all the aforementioned items to see if this option was chosen (2 = Medicaid). In Wave 2A, B1838 also asks whether the Respondent is currently covered by Medicaid. For simplicity, we assume that Respondents who are currently not covered by Medicaid were also not covered by Medicaid at any time since the previous interview / in the last two years.

[49] [R/S]wNSS are currently not available For Waves 1, 2, and 3A in the RAND HRS Detailed Imputations File. We will provide them in a future release.

[50] [R/S]wNSDI are currently not available For Waves 1, 2, and 3A in the RAND HRS Detailed Imputations File. We will provide them in a future release.

[51] HwNSSJ is currently not available for Waves 1 and 2A in the RAND HRS Detailed Imputations File. We will provide them in a future release.

⇒ ELSE IF 65 years of age (or more) in LCY, do add premiums back to reported Social Security income

- ELSE IF received Social Security Disability income LCY ([R/S]wIOSDI = 1 (Yes)):

  ⇒ IF # of months received Social Security Disability income LCY = 12 ([R/S]wNSDI = 12), do add premiums back to reported Social Security income

  ⇒ ELSE IF # of months received Social Security Disability income LCY < 12 ([R/S]wNSDI < 12):

  ▷ IF not 65 years of age in LCY, do not add premiums back to reported Social Security income

  ▷ ELSE IF 65 years of age (or more) in LCY, do add premiums back to reported Social Security income

4). Finally, for Respondents where Part B and/or Part D premiums will be added back to reported Social Security income, determine the # of months deductions were made:

a). Part B and Part D (same criteria):

- IF received Social Security Retirement income LCY ([R/S]wIOSS = 1 (Yes)):

  ⇒ # of months deductions were made = minimum of the # of months received Social Security Retirement income LCY ([R/S]wNSS) and the # of months the Respondent was 65 years of age (or more) in LCY

  (i.e., premiums can only have been deducted from Social Security Retirement income in those months the Respondent was receiving this income and was 65 years of age or more)

- ELSE IF (in Wave 1 and 2A) received Social Security "Joint" Check LCY (HwIOSSJ = 1 (Yes)):

  ⇒ # of months deductions were made = minimum of the # of months received Social Security "Joint" Check LCY (HwNSSJ) and the # of months the Respondent was 65 years of age (or more) in LCY

  (i.e., premiums can only have been deducted from Social Security Retirement income in those months the Respondent was receiving this income and was 65 years of age or more)

- ELSE IF received Social Security Disability income LCY ([R/S]wIOSDI = 1 (Yes)):

  ⇒ IF # of months received Social Security Disability income LCY = 12 ([R/S]wNSDI = 12):

  ▷ # of months deductions were made = 12

  ⇒ ELSE IF # of months received Social Security Disability income LCY < 12 ([R/S]wNSDI < 12):

  ▷ # of months deductions were made = minimum of the # of months received Social Security Disability income LCY ([R/S]wNSDI]) and the # of months the Respondent was 65 years of age (or more) in LCY

  (i.e., premiums can only have been deducted from Social Security Disability income in those months the Respondent was receiving this income and was 65 years of age or more)

Section D: OPN Adjustments

This section contains SAS code that adjusts OPN (Other Person Number) values in order to maintain consistency across waves and survey sections. It also notes the OPN-level HRS Data Alert code that has been incorporated into the RAND HRS Longitudinal File.

1992 OPN Adjustments

In order to match 1992 overlap cases with later waves, we need to recode the HHID and OPN. The matching process is based on 1992 name file and birth year then comparing with name files and birth year in later wave. These 1992 overlap cases link with the correct HH/OPN in later waves.

Here is the code for matching the overlap cases of OPNs in 1992:

```
if hhid = "010417" then do;
   hhid = "200119";
   if opn="201" then opn="112";
   if opn="202" then opn="041";
   if opn="203" then opn="042";
   if opn="301" then opn="114";
   if opn="302" then opn="115";
   if opn="303" then opn="113";
   if opn="304" then opn="116";
end;

if hhid = "012517" then do;
   hhid = "208867";
   if opn="201" then opn="114";
   if opn="202" then opn="115";
   if opn="301" then opn="112";
end;

if hhid = "013177" then do;
   hhid = "201326";
   if opn="201" then opn="116";
   if opn="202" then opn="115";
   if opn="301" then opn="112";
   if opn="302" then opn="113";
   if opn="303" then opn="114";
end;

if hhid = "014186" then do;
   hhid = "201820";
   if opn="101" then opn="112";
   if opn="102" then opn="113";
   if opn="103" then opn="114";
end;

if hhid = "016358" then do;
   hhid = "202801";
   if opn="201" then opn="112";
   if opn="202" then opn="113";
   if opn="301" then opn="041";
end;
```

```
if hhid = "018248" then do;
   hhid = "203740";
   if opn="201" then opn="113";
   if opn="202" then opn="112";
   if opn="301" then opn="114";
end;

if hhid = "019162" then do;
   hhid = "208728";
   if opn="101" then opn="041";
   if opn="102" then opn="115";
   if opn="103" then opn="116";
end;

if hhid = "020582" then do;
hhid = "204940";
   if opn="201" then opn="112";
   if opn="202" then opn="114";
   if opn="203" then opn="113";
   if opn="301" then opn="301"; *;
   if opn="302" then opn="302"; *;
end;

if hhid = "020950" then do;
   hhid = "205130";
   if opn="101" then opn="112";
   if opn="102" then opn="113";
   if opn="103" then opn="114";
end;

if hhid = "021246" then do;
   hhid = "205265";
   if opn="101" then opn="041";
   if opn="102" then opn="112";
   if opn="103" then opn="113";
   if opn="104" then opn="114";
   if opn="105" then opn="115";
   if opn="106" then opn="116";
end;

if hhid = "021477" then do;
   hhid = "205496";
   if opn="101" then opn="041";
   if opn="102" then opn="112";
end;

if hhid = "022844" then do;
   hhid = "206364";
   if opn="101" then opn="116";
   if opn="102" then opn="119";
   if opn="103" then opn="118";
   if opn="104" then opn="117";
   if opn="105" then opn="120";
```

```
   if opn="106" then opn="121";
   if opn="201" then opn="112";
   if opn="202" then opn="113";
   if opn="203" then opn="115";
   if opn="204" then opn="114";
end;

if hhid = "024003" then do;
   hhid = "207347";
   if opn="201" then opn="112";
   if opn="301" then opn="113";
end;

if hhid = "024507" then do;
   hhid = "207574";
   if opn="101" then opn="112";
   if opn="102" then opn="113";
   if opn="201" then opn="201"; *;
   if opn="202" then opn="202"; *;
end;

if hhid = "024657" then do;
   hhid = "207644";
   if opn="201" then opn="115";
   if opn="202" then opn="116";
   if opn="301" then opn="112";
   if opn="302" then opn="113";
end;

if hhid = "024851" then do;
   hhid = "207759";
   if opn="201" then opn="112";
   if opn="202" then opn="113";
end;

if hhid = "024898" then do;
   hhid = "207784";
   if opn="201" then opn="118";
   if opn="202" then opn="119";
   if opn="301" then opn="112";
   if opn="302" then opn="113";
   if opn="303" then opn="114";
   if opn="304" then opn="115";
   if opn="305" then opn="117";
   if opn="306" then opn="116";
end;

if hhid = "024930" then do;
   hhid = "207794";
   if opn="101" then opn="116";
   if opn="102" then opn="117";
   if opn="201" then opn="114";
   if opn="202" then opn="115";
   if opn="203" then opn="041";
```

```
end;

if hhid = "024987" then do;
   hhid = "207811";
   if opn="201" then opn="112";
   if opn="202" then opn="113";
   if opn="301" then opn="114";
   if opn="302" then opn="115";
   if opn="303" then opn="116";
end;

if hhid = "031573" then do;
   hhid = "200411";
   if opn="301" then opn="114";
   if opn="302" then opn="115";
end;

if hhid = "032225" then do;
   hhid = "200580";
   if opn="301" then opn="113";
   if opn="302" then opn="112";
end;

if hhid = "033058" then do;
   hhid = "200920";
   if opn="101" then opn="041";
   if opn="102" then opn="042";
   if opn="103" then opn="112";
   if opn="201" then opn="114";
   if opn="202" then opn="113";
end;

if hhid = "036551" then do;
   hhid = "208289";
   if opn="101" then opn="041";
   if opn="102" then opn="042";
   if opn="103" then opn="043";
   if opn="104" then opn="114";
   if opn="105" then opn="115";
   if opn="106" then opn="116";
   if opn="107" then opn="117";
   if opn="108" then opn="118";
   if opn="109" then opn="119";
end;

if hhid = "040448" then do;
   hhid = "203236";
   if opn="101" then opn="112";
   if opn="102" then opn="113";
end;

if hhid = "043693" then do;
   hhid = "204387";
   if opn="201" then opn="112";
```

```
   if opn="202" then opn="114";
   if opn="301" then opn="115";
   if opn="302" then opn="116";
   if opn="303" then opn="117";
end;

if hhid = "043793" then do;
   hhid = "204404";
   if opn="101" then opn="113";
   if opn="102" then opn="114";
   if opn="103" then opn="112";
end;

if hhid = "045930" then do;
   hhid = "204928";
   if opn="301" then opn="116";
   if opn="302" then opn="117";
   if opn="303" then opn="118";
   if opn="304" then opn="119";
   if opn="305" then opn="120";
end;

if hhid = "046447" then do;
   hhid = "205061";
   if opn="201" then opn="113";
   if opn="202" then opn="112";
   if opn="301" then opn="114";
   if opn="302" then opn="116";
   if opn="303" then opn="115";
end;

if hhid = "046656" then do;
   hhid = "205109";
   if opn="101" then opn="112";
end;

if hhid = "047560" then do;
   hhid = "205392";
   if opn="101" then opn="112";
   if opn="102" then opn="113";
   if opn="103" then opn="114";
end;

if hhid = "048663" then do;
   hhid = "205672";
   if opn="201" then opn="112";
   if opn="202" then opn="113";
   if opn="301" then opn="114";
   if opn="302" then opn="115";
end;

if hhid = "049273" then do;
   hhid = "205922";
   if opn="201" then opn="043";
```

```
   if opn="202" then opn="114";
   if opn="203" then opn="115";
   if opn="204" then opn="116";
   if opn="301" then opn="112";
   if opn="302" then opn="113" ;
end;

if hhid = "050753" then do;
   hhid = "206198";
   if opn="101" then opn="112";
   if opn="102" then opn="041";
end;

if hhid = "052841" then do;
   hhid = "207091";
   if opn="101" then opn="119";
   if opn="102" then opn="112";
   if opn="103" then opn="113";
   if opn="104" then opn="114";
   if opn="105" then opn="117";
   if opn="106" then opn="116";
   if opn="107" then opn="118";
   if opn="108" then opn="115";
end;

if hhid = "055569" then do;
   hhid = "207790";
   if opn="201" then opn="117";
   if opn="301" then opn="112";
   if opn="302" then opn="113";
   if opn="303" then opn="303"; *;
   if opn="304" then opn="114";
   if opn="305" then opn="115";
   if opn="306" then opn="116";
end;

if hhid = "057537" then do;
   hhid = "201084";
   if opn="301" then opn="112";
end;

if hhid = "058215" then do;
   hhid = "201764";
   if opn="301" then opn="112";
end;

if hhid = "059398" then do;
   hhid = "203692";
   if opn="201" then opn="112";
   if opn="202" then opn="114";
   if opn="203" then opn="115";
   if opn="204" then opn="116";
   if opn="205" then opn="117";
   if opn="301" then opn="113";
```

```
end;

if hhid = "060593" then do;
   hhid = "206509";
   if opn="201" then opn="114";
   if opn="202" then opn="112";
   if opn="203" then opn="113";
   if opn="204" then opn="115";
   if opn="205" then opn="116";
end;

if hhid = "064691" then do;
   hhid = "205584";
   if opn="201" then opn="112";
   if opn="202" then opn="113";
   if opn="203" then opn="115";
   if opn="204" then opn="116";
   if opn="205" then opn="117";
   if opn="206" then opn="118";
   if opn="207" then opn="114";
   if opn="301" then opn="119";
   if opn="302" then opn="120";
end;

if hhid = "072716" then do;
   hhid = "200500";
   if opn="101" then opn="113";
   if opn="102" then opn="114";
   if opn="301" then opn="112";
end;

if hhid = "074002" then do;
   hhid = "201129";
   if opn="101" then opn="041";
   if opn="102" then opn="114";
   if opn="103" then opn="112";
   if opn="104" then opn="113";
end;

if hhid = "075488" then do;
   hhid = "201577";
   if opn="201" then opn="116";
   if opn="301" then opn="112";
   if opn="302" then opn="113";
   if opn="303" then opn="114";
   if opn="304" then opn="115";
end;

if hhid = "076635" then do;
   hhid = "202182";
   if opn="101" then opn="112";
   if opn="102" then opn="113";
end;
```

```
if hhid = "078627" then do;
   hhid = "203427";
   if opn="201" then opn="112";
   if opn="202" then opn="113";
   if opn="203" then opn="114";
   if opn="301" then opn="116";
end;

if hhid = "079338" then do;
   hhid = "203682";
   if opn="101" then opn="114";
   if opn="102" then opn="041";
   if opn="103" then opn="112";
   if opn="104" then opn="113";
   if opn="105" then opn="115";
   if opn="106" then opn="116";
end;

if hhid = "082601" then do;
   hhid = "205218";
   if opn="201" then opn="113";
   if opn="202" then opn="112";
   if opn="301" then opn="114";
end;

if hhid = "082885" then do;
   hhid = "205317";
   if opn="101" then opn="041";
   if opn="102" then opn="112";
   if opn="103" then opn="113";
   if opn="104" then opn="115";
   if opn="105" then opn="114";
end;

if hhid = "084448" then do;
   hhid = "206183";
   if opn="301" then opn="112";
end;

if hhid = "086359" then do;
   hhid = "207306";
   if opn="101" then opn="115";
   if opn="102" then opn="119";
end;

if hhid = "087032" then do;
   hhid = "207594";
   if opn="201" then opn="114";
   if opn="301" then opn="112";
   if opn="302" then opn="113";
end;

if _hhid = "050152" then do;
    if opn="101" then opn="151";
```

```
    if opn="102" then opn="152";
    if opn="103" then opn="153";
end;

if hhid="160540" then do;
    if opn="101" then opn="102";
    else if opn="102" then opn="101";
end;
```

* There are 5 cases in adjusted HHID households above for which the names could not be found in later waves so the original OPN was kept.

1993 OPN Adjustments

In order to match 1993 OPNs with later waves, we need to recode several OPN values on the bop21 file per the HRS Data Alert: https://hrsdata.isr.umich.edu/data-products/data-alerts/39267. We implemented the steps as described.

Additionally, we changed the OPN for one AHEAD-AHEAD overlap case to match 1998 IDs:

```
if hhid="205864" then do;
  if opn="112" then opn="115" ;
  if opn="113" then opn="116" ;
  if opn="114" then opn="117" ;
  if opn="115" then opn="118" ;
  if opn="116" then opn="119" ;
end;
```

1995 OPN Adjustments

In 1995, we identified several OPNs on the Helper List that did not appear on the 1995 A95E_R dataset. We examined likely matches between the files based on relationship code and have made the following adjustments to the A95E_R dataset to make the matches:

```
* First ADL OPN=041 and lost Helper list opn is kid;
   _D1961=D1961;
   if D1961="041" then do;
    if hhidpn=202664010 then do; _fixid=1; D1961="113"; end;
    if hhidpn=207085010 then do; _fixid=1; D1961="115"; end;
    if hhidpn=207377020 then do; _fixid=1; D1961="117"; end;
   end;

   * First IADL OPN=041 and lost Helper list opn is kid;
   _D2041=D2041;
   if D2041="041" then do;
   if hhidpn=200307010 then do; _fixid=1; D2041="115"; end;
   if hhidpn=201575010 then do; _fixid=1; D2041="113"; end;
   if hhidpn=202340010 then do; _fixid=1; D2041="113"; end;
   if hhidpn=202468010 then do; _fixid=1; D2041="112"; end;
   if hhidpn=202664010 then do; _fixid=1; D2041="113"; end;
   if hhidpn=207085010 then do; _fixid=1; D2041="115"; end;
   end;

    * Second IADL OPN=041 and lost Helper list opn is grandkid;
   _D2050=D2050;
```

```
   if D2050="041" then do;
     if hhidpn=202468010 then do; _fixid=1; D2050="112"; end;
   if hhidpn=205787010 then do; _fixid=1; D2050="115"; end;
   end;

   * First Money OPN=041 and lost Helper list opn is kid;
   _D2107=D2107;
   if D2107="041" then do;
   if hhidpn=202340010 then do; _fixid=1; D2107="113"; end;
   if hhidpn=202664010 then do; _fixid=1; D2107="113"; end;
   if hhidpn=204776010 then do; _fixid=1; D2107="112"; end;
   if hhidpn=207377020 then do; _fixid=1; D2107="117"; end;
   end;
   ************ 074 OPNS;
   * First Money OPN is 074;
   if hhidpn in (200018010 200652020 201437020 203082010 203495010 203701010
                 203775010 204740010 205465020 206310020 207193010 ) then do;
    if D2107="074" then do; _fixid=1; D2107="078"; end;
   end;

   * Second Money OPN;
   _D2121=D2121;
   if hhidpn in (207101010 207405010 208349010) then do;
    if D2121="075" then do; _fixid=1; D2121="079"; end;
   end;
```

1996 OPN Adjustments

Similar to 1995, in 1996 we identified several OPNs on the Helper List that did not appear on the 1996 H96E_R dataset. We examined likely matches between the files based on relationship code and have made the following adjustments to the H96E_R dataset to make the matches:

```
_E1976=E1976;
   if E1976="997" then do;
  if hhidpn=10147010 then do; _fixid=1; E1976="021"; end;
    if hhidpn=13426010 then do; _fixid=1; E1976="021"; end;
    if hhidpn=16603010 then do; _fixid=1; E1976="021"; end;
    if hhidpn=41855020 then do; _fixid=1; E1976="021"; end;
    if hhidpn=60370010 then do; _fixid=1; E1976="021"; end;
end;
   * Second ADL OPN;
    _E1990=E1990;
    if E1990="997" then do;
      if hhidpn=22035040 then do; _fixid=1; E1990="022"; end;
      if hhidpn=22229020 then do; _fixid=1; E1990="022"; end;
      if hhidpn=51863020 then do; _fixid=1; E1990="022"; end;
      if hhidpn=59795020 then do; _fixid=1; E1990="022"; end;
      if hhidpn=60370010 then do; _fixid=1; E1990="022"; end;
      if hhidpn=85432020 then do; _fixid=1; E1990="022"; end;
     end;
       * Third ADL OPN;
     _E1999=E1999;
    if E1999="997" then do;
```

```
     if hhidpn=80335020 then do; _fixid=1; E1999="023"; end;
    end;
   * First IADL OPN;
   _E2056=E2056;
   if E2056="997" then do;
    if hhidpn=25283010 then do; _fixid=1; E2056="028"; end;
    if hhidpn=37933010 then do; _fixid=1; E2056="028"; end;
    if hhidpn=38699020 then do; _fixid=1; E2056="028"; end;
    if hhidpn=43520020 then do; _fixid=1; E2056="028"; end;
    if hhidpn=46760020 then do; _fixid=1; E2056="028"; end;
end;
   * Second IADL OPN;
     _E2065=E2065;
    if E2065="997" then do;
      if hhidpn=21682010 then do; _fixid=1; E2065="029"; end;
      if hhidpn=25509010 then do; _fixid=1; E2065="029"; end;
      if hhidpn=38699020 then do; _fixid=1; E2065="029"; end;
      if hhidpn=71856010 then do; _fixid=1; E2065="029"; end;
      if hhidpn=84131021 then do; _fixid=1; E2065="029"; end;
      if hhidpn=85814010 then do; _fixid=1; E2065="029"; end;
    end;
  * Third IADL OPN;
     _E2070=E2070;
    if E2070="997" then do;
      if hhidpn=80335020 then do; _fixid=1; E2070="030"; end;
      if hhidpn=84131021 then do; _fixid=1; E2070="030"; end;
     end;

  * Second Money OPN;
     _E2109=E2109;
    if E2109="997" then do;
      if hhidpn=12987010 then do; _fixid=1; E2109="035"; end;
    end;
```

2004 OPN Adjustments

There are N=36 cases in E_MC but not in PR_MC. The OPN has been corrected in E_MC based on the "Child Index Number" from both files: JX054_MC and JEX054. Apply the following code to raw HRS E_MC data.

```
    if hhidc="023919" and opn="207" then opn="208" ;
    if hhidc="046119" and opn="154" then opn="401" ;
    if hhidc="052103" and opn="101" then opn="401" ;
    if hhidc="054247" and opn="308" then opn="317" ;
    if hhidc="058589" and jsubhh="2" and opn="103" then opn="401" ;
    if hhidc="060807" and opn="155" then opn="401" ;
    if hhidc="061015" and opn="106" then opn="401" ;
    if hhidc="062092" and opn="206" then opn="401" ;
    if hhidc="072467" and opn="210" then opn="211" ;
    if hhidc="078481" and opn="101" then opn="401" ;
    if hhidc="079180" and opn="158" then opn="401" ;
    if hhidc="081662" and opn="162" then opn="401" ;
    if hhidc="082643" and opn="201" then opn="412" ;
    if hhidc="083559" and opn="154" then opn="401" ;
    if hhidc="086263" and opn="101" then opn="401" ;
```

```
if hhidc="138373" and opn="112" then opn="401" ;
if hhidc="183748" and opn="112" then opn="401" ;
if hhidc="185419" and jsubhh="1" and opn="117" then opn="401" ;
if hhidc="200647" and opn="118" then opn="401" ;
if hhidc="201106" and opn="041" then opn="401" ;
if hhidc="201284" and opn="114" then opn="401" ;
if hhidc="202598" and opn="114" then opn="401" ;
if hhidc="203404" and opn="041" then opn="401" ;
if hhidc="204143" and opn="114" then opn="401" ;
if hhidc="204482" and opn="112" then opn="401" ;
if hhidc="204685" and opn="114" then opn="401" ;
if hhidc="205097" and opn="112" then opn="401" ;
if hhidc="205512" and opn="042" then opn="401" ;
if hhidc="206262" and opn="112" then opn="401" ;
if hhidc="206343" and opn="041" then opn="401" ;
if hhidc="206802" and opn="112" then opn="401" ;
if hhidc="208003" and opn="114" then opn="401" ;
if hhidc="208394" and opn="112" then opn="401" ;
if hhidc="210476" and opn="112" then opn="401" ;
if hhidc="213002" and opn="116" then opn="401" ;
if hhidc="213089" and opn="114" then opn="401" ;
```

2006 OPN Adjustments

One OPN in the PR_MC data needs correction :

```
if hhidc="078302" and opn ="656" then opn="208" ;
```

There are N=5 cases in E_MC but not in PR_MC. The OPN has been corrected in E_MC based on Family member index KEX054. Apply the following code to raw HRS E_MC data:

```
if hhidc="011678" and ksubhh="2" and opn=106 then opn=104;
if hhidc="140397" and ksubhh="0" and opn=656 then opn=655;
if hhidc="182176" and ksubhh="0" and opn=655 then opn=654;
if hhidc="500937" and ksubhh="0" and opn=110 then opn=109;
if hhidc="501680" and ksubhh="0" and opn=107 then opn=105;
```

2008 OPN Adjustments

There are N=30 cases OPN in E_MC but not in PR_MC. Apply the following code to raw HRS E_MC data:

```
if OPN in ("993" "997") then delete;
```

2010 OPN Adjustments

Similar to 1995, in 2010 we identified several OPNs on the Helper List that did not appear on the 2010 H10E_R dataset. We examined likely matches between the files based on relationship code and have made the following adjustments to the H10E_R dataset to make the matches:

```
* First ADL OPN;
   _MG032_1=MG032_1;
   if MG032_1 in ("997","998","999") then do;
  if hhidpn= 35362010 then do; _fixid=1; MG032_1="101"; end;
    if hhidpn= 36151010 then do; _fixid=1; MG032_1="201"; end;
    if hhidpn= 37053020 then do; _fixid=1; MG032_1="101"; end;
```

```
    if hhidpn= 38308041 then do; _fixid=1; MG032_1="101"; end;
    if hhidpn= 40930010 then do; _fixid=1; MG032_1="201"; end;
    if hhidpn= 85774030 then do; _fixid=1; MG032_1="201"; end;
    if hhidpn=156625010 then do; _fixid=1; MG032_1="102"; end;
    if hhidpn=200968010 then do; _fixid=1; MG032_1="112"; end;
    if hhidpn=204379010 then do; _fixid=1; MG032_1="113"; end;
    if hhidpn=207991010 then do; _fixid=1; MG032_1="112"; end;
    if hhidpn=211714010 then do; _fixid=1; MG032_1="112"; end;
    if hhidpn=213242010 then do; _fixid=1; MG032_1="112"; end;
    if hhidpn=546592010 then do; _fixid=1; MG032_1="101"; end;
    if hhidpn=904019020 then do; _fixid=1; MG032_1="101"; end;
    if hhidpn=906177010 then do; _fixid=1; MG032_1="101"; end;
    if hhidpn=907501010 then do; _fixid=1; MG032_1="101"; end;
    if hhidpn=908387020 then do; _fixid=1; MG032_1="101"; end;
    if hhidpn=918537010 then do; _fixid=1; MG032_1="101"; end;
end;
   * Second ADL OPN;
    _MG032_2=MG032_2;
    if MG032_2 in ("997","998","999") then do;
      if hhidpn=523340010 then do; _fixid=1; MG032_2="101"; end;
     end;

   * Fifth ADL OPN;
     _MG032_5=MG032_5;
    if MG032_5 in ("997","998","999") then do;
       if hhidpn=86314010 then do; _fixid=1; MG032_5="201"; end;
    end;
```

2016 OPN Adjustments

In 2016, we made the adjustments recommended in the HRS Data Alert: https://hrsdata.isr.umich.edu/data-products/data-alerts/49696.

2018 OPN Adjustments

In 2018, we made the adjustments recommended in the HRS Data Alert: https://hrsdata.isr.umich.edu/data-products/data-alerts/49697.